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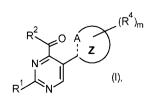
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(54) Title: HERBICIDAL PYRIMIDINE COMPOUNDS



WO 2018/019554 A1

(57) Abstract: The present invention relates to the pyrimidine compounds of formula (I), or their agriculturally acceptable salts or derivatives as herbicides, wherein the variables are defined according to the description, use of pyrimidine compounds of formula (I) as herbicides, compositions comprising them and their use as herbicides, i.e. for controlling harmful plants, and also a method for controlling unwanted vegetation which comprises allowing a herbicidal effective amount of at least one pyrimidine compound of the formula (I) to act on plants, their seed and/or their habitat.

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Herbicidal pyrimidine compounds

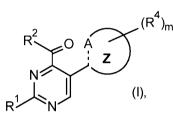
The present invention relates to pyrimidine compounds of the general formula (I) defined below and to their use as herbicides. Moreover, the invention relates to compositions for crop protection and to a method for controlling unwanted vegetation.

Compounds having a 5-phenyl pyrimidine moiety are known in the art. WO 2000/073278 describes such compounds being antagonists of the Neurokinin 1 receptor and thus having pharmaceutical properties.

In agriculture, there is a constant demand to develop novel active ingredients, which complement or outperform present methods of treatment regarding activity, selectivity and environmental safety.

These and further objects are achieved by pyrimidine compounds of formula (I), defined below, and by their agriculturally suitable salts.

Accordingly, the present invention provides the pyrimidine compounds of formula (I)



wherein

the dotted line (-----) is single bond or double bond;

- R¹ is C₁-C₆-alkyl, C₁-C₆-haloalkyl, HO-C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-haloalkenyl, C₂-C₆-alkynyl, C₃-C₆-haloalkynyl, C₁-C₆-alkoxy-C₁-C₆-alkyl, C₁-C₆-alkoxy, C₃-C₆-alkenyloxy, C₃-C₆-haloalkenyloxy, C₃-C₆-haloalkenyloxy, C₃-C₆-haloalkenyloxy, C₃-C₆-haloalkynyloxy, C₃-C₆-haloalkynyloxy, C₃-C₆-haloalkenyloxy, C₃-C₆-cycloalkyl, C₃-C₆-cycloalkyl, C₃-C₆-cycloalkyl, C₃-C₆-cycloalkyl, [1-(C₂-C₆-alkynyl)]-C₃-C₆-cycloalkyl, [1-(C₂-C₆-haloalkenyl)]-C₃-C₆-cycloalkyl, [1-(C₂-C₆-haloalkenyl)]-C₃-C₆-cycloalkyl, [1-(C₂-C₆-haloalkenyl)]-C₃-C₆-cycloalkyl, [1-(C₂-C₆-haloalkenyl)]-C₃-C₆-cycloalkyl, [1-(C₂-C₆-haloalkenyl)]-C₃-C₆-cycloalkyl, [1-(C₂-C₆-haloalkenyl)]-C₃-C₆-cycloalkyl, [1-(C₂-C₆-haloalkenyl)]-C₃-C₆-cycloalkyl, [1-(C₂-C₆-haloalkenyl)]-C₃-C₆-cycloalkyl, C₃-C₆-cycloalkyl-C₁-C₆-haloalkenyl)]-C₃-C₆-cycloalkyl, [1-(C₂-C₆-haloalkenyl)]-C₃-C₆-cycloalkyl-C₁-C₆-haloalkenyl)]-C₃-C₆-cycloalkyl-C₁-C₆-haloalkenyl)]-C₃-C₆-cycloalkyl-C₁-C₆-haloalkenyl)]-C₃-C₆-cycloalkyl-C₁-C₆-haloalkenyl, C₃-C₆-cycloalkyl-C₁-C₆-haloalkenyl)]-C₃-C₆-cycloalkyl-C₁-C₆-haloalkenyl-C₁-C₆-haloalkenyl, C₃-C₆-cycloalkenyl-C₁-C₆-haloalkenyl-C₁-C₆-cycloalkenyl-C₁-C₆-haloalkeny
- C₆-haloalkoxy, phenyl, 5- or 6-membered heteroaryl, or 3- to 6-membered heterocyclyl;
 wherein the cyclic groups of R¹ are unsubstituted or substituted by R^a;
- R² is H, halogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-alkylcarbonyl-C₁-C₆-alkyl, C₁-C₆-alkyl, C₁-C₆-alkyl, C₁-C₆-alkyl, C₁-C₆-alkyl, C₁-C₆-alkyl, C₁-C₆-haloalkylcarbonyl-C₁-C₆-haloalkylcarbonyl-C₁-C₆-haloalkyl, C₁-C₆-haloalkyl, C₁-C₆-haloalkyl, C₁-C₆-haloalkyl, C₁-C₆-haloalkyl, C₁-C₆-haloalkyl, C₁-C₆-haloalkyl, C₁-C₆-haloalkyl, C₁-C₆-haloalkyl, C₁-C₆-haloalkyl, C₁-C₆-haloalkoxy, C₁-C₆-alkoxy, C₁-C₆-haloalkoxy-C₁-C₆-haloalkoxy, C₁-C₆-alkoxy, C₁-C₆-alkoxy, C₁-C₆-alkoxy, C₁-C₆-haloalkoxy, C₁-C₆-haloalkenyloxy, C₁-C₆-haloalkoxy, C₁-C₆-haloalkoxy, C₁-C₆-haloalkoxy, C₁-C₆-haloalkenyloxy, C₁-C₆-haloalkoxy, C₁-C₆-haloalkenyloxy, C₁-C₆-haloalkoxy, C₁-C₆-haloalkenyloxy, C₁-C₆-haloalkenyloxy, C₁-C₆-haloalkenyloxy, C₁-C₆-haloalkenyloxy, C₁-C₆-haloalkenyloxy, C₁-C₆-haloalkenyloxy, C₁-C₆-haloalkenyloxy, C₁-C₆-haloalkenyloxy, C₁-C₆-haloalkenyloxy, C₁-C₆-haloal

alkynyloxy-C₁-C₆-alkoxy, C₃-C₆-haloalkynyloxy-C₁-C₆-haloalkoxy, C₃-C₆-alkynyloxy-C₁-C₆-haloalkoxy, C₃-C₆-alkynyloxy- C₃-C₆-alkenyloxy, C₃-C₆-haloalkynyloxy- C₃-C₆alkenyloxy, C₃-C₆-alkynyloxy- C₃-C₆-haloalkenyloxy, C₃-C₆-haloalkynyloxy- C₃-C₆-haloalkenyloxy, C₃-C₆-alkynyloxy- C₃-C₆-alkynyloxy, C₃-C₆-haloalkynyloxy- C₃-C₆-alkynyloxy, 5 C₃-C₆-alkynyloxy- C₃-C₆-haloalkynyloxy, C₃-C₆-haloalkynyloxy- C₃-C₆-haloalkynyloxy, (C₁-C₆-alkyl)carbonyl-C₁-C₆-alkoxy, (C₁-C₆-haloalkyl)carbonyl-C₁-C₆-haloalkoxy, (C₁-C₆-haloalkyl)carbonyl-C₁-C₆-alkoxy, (C₁-C₆-alkyl)carbonyl-C₁-C₆-haloalkoxy, (C₁-C₆-alkoxy)carbonyl-C₁-C₆-alkoxy, (C₁-C₆-haloalkoxy)carbonyl-C₁-C₆-alkoxy, (C₁-C₆-alkoxy)carbonyl-C₁- C_6 -haloalkoxy, (C_1 - C_6 -haloalkoxy)carbonyl- C_1 - C_6 -haloalkoxy, (C_1 - C_6 -alkoxy- C_1 - C_6 -al-10 kyl)carbonyl-C₁-C₆-alkoxy, (C₁-C₆-haloalkoxy-C₁-C₆-alkyl)carbonyl-C₁-C₆-alkoxy, (C₁-C₆alkoxy-C₁-C₆-haloalkyl)carbonyl-C₁-C₆-alkoxy, (C₁-C₆-alkoxy-C₁-C₆-alkyl)carbonyl-C₁-C₆haloalkoxy, (C₁-C₆-haloalkoxy-C₁-C₆-haloalkyl)carbonyl-C₁-C₆-alkoxy, (C₁-C₆-haloalkoxy-C₁-C₆-alkyl)carbonyl-C₁-C₆-haloalkoxy, (C₁-C₆-alkoxy-C₁-C₆-haloalkyl)carbonyl-C₁-C₆-haloalkoxy, (C1-C6-haloalkoxy-C1-C6-haloalkyl)carbonyl-C1-C6-haloalkoxy, (C1-C6-alkylthio)car-15 bonyl-C1-C6-alkoxy, (C1-C6-haloalkylthio)carbonyl-C1-C6-alkoxy, (C1-C6-alkylthio)carbonyl- C_1-C_6 -haloalkoxy, (C_1-C_6 -haloalkylthio)carbonyl- C_1-C_6 -haloalkoxy, (C_1-C_6 -alkylthio- C_1-C_6 alkyl)carbonyl-C₁-C₆-alkoxy, (C₁-C₆-haloalkylthio-C₁-C₆-alkyl)carbonyl-C₁-C₆-alkoxy, (C₁-C₆-alkylthio-C₁-C₆-haloalkyl)carbonyl-C₁-C₆-alkoxy, (C₁-C₆-alkylthio-C₁-C₆-alkyl)carbonyl-C₁-C₆-haloalkoxy, (C₁-C₆-haloalkylthio-C₁-C₆-haloalkyl)carbonyl-C₁-C₆-alkoxy, (C₁-C₆-20 haloalkylthio-C1-C6-alkyl)carbonyl-C1-C6-haloalkoxy, (C1-C6-alkylthio-C1-C6-haloalkyl)carbonyl- C_1 - C_6 -haloalkoxy, (C_1 - C_6 -haloalkylthio- C_1 - C_6 -haloalkyl)carbonyl- C_1 - C_6 -haloalkoxy, C₃-C₆-cycloalkoxy, C₃-C₆-halocycloalkoxy, (C₃-C₆-cycloalkyl)C₁-C₆-alkoxy, (C₃-C₆-halocy $cloalkyl)C_1-C_6-alkoxy, (C_3-C_6-cycloalkyl)C_1-C_6-haloalkoxy, aminocarbonyl- C_1-C_6-alkoxy, C_3-C_6-cycloalkyl)C_1-C_6-haloalkoxy, C_3-C_6-cycloalkyl)C_1-C_6-cycloalkyl, C_3-C_6-cycloalkyl, C_3-C_6-cycloalkyl, C_3-C_6-cycloalkyl, C_3-C_6-cycloalkyl, C_3-C_6-cycloalkyl, C_3-C_6-cycloalkyl, C_3-C_6-cycloalkyl, C_3-C_6-cycloalkyl, C_3-C_6-cycloalkyl, C_3-C_6-cyclo$ $(C_3-C_6-halocycloalkyl)C_1-C_6-haloalkoxy, aminocarbonyl-C_1-C_6-haloalkoxy, N-(C_1-C_6-alkyl)$ aminocarbonyl-C1-C6-alkoxy, N-(C1-C6-alkyl)-aminocarbonyl-C1-C6-haloalkoxy, N,N-di(C1-25 C₆-alkyl)-aminocarbonyl- C₁-C₆-alkoxy, N,N-di(C₁-C₆-alkyl)-aminocarbonyl- C₁-C₆-haloalkoxy, (diphenyl)C=N-O, (C₁-C₆-alkyl)(phenyl)C=N-O, (di(C₁-C₆-alkyl))C=N-O, (C1-C6-alkyl)3-silyl-C1-C6-alkoxy, C1-C6-alkylthio, C1-C6-haloalkylthio, C1-C6-alkoxy-C1-C6alkylthio, C₁-C₆-haloalkoxy-C₁-C₆-alkylthio, C₁-C₆-alkoxy-C₁-C₆-haloalkylthio, C₁-C₆-haloalkoxy-C₁-C₆-haloalkylthio, C₁-C₆-alkoxy-C₁-C₆-alkoxy- C₁-C₆-alkylthio, C₁-C₆-cyanoalkylthio, 30 C₃-C₆-alkenylthio, C₂-C₆-haloalkenylthio, C₃-C₆-alkenyloxy-C₁-C₆-alkylthio, C₃-C₆-haloalkenyloxy-C₁-C₆-alkylthio, C₃-C₆-alkenyloxy-C₁-C₆-haloalkylthio, C₃-C₆-haloalkenyloxy-C₁-C₆-haloalkylthio, C₃-C₆-alkynylthio, C₂-C₆-haloalkynylthio, C₃-C₆-alkynyloxy-C₁-C₆-alkylthio, C₃-C₆-haloalkynyloxy-C₁-C₆-haloalkylthio, C₃-C₆-alkynyloxy-C₁-C₆-haloalkylthio, C₃-C₆-alkynyloxy- C₃-C₆-alkenylthio, C₃-C₆-haloalkynyloxy- C₃-C₆-alkenylthio, C₃-C₆-al-35 kynyloxy-C₂-C₆-haloalkenylthio, C₃-C₆-haloalkynyloxy-C₂-C₆-haloalkenylthio, C₃-C₆-alkynyloxy- C₃-C₆-alkynylthio, C₃-C₆-haloalkynyloxy- C₃-C₆-alkynylthio, C₃-C₆-alkynyloxy-C₂-C₆-haloalkynylthio, C₃-C₆-haloalkynyloxy-C₂-C₆-haloalkynylthio, (C₁-C₆-alkyl)carbonyl-C1-C6-alkylthio, (C1-C6-haloalkyl)carbonyl-C1-C6-alkylthio, (C1-C6-alkyl)carbonyl-C1-C6haloalkylthio, (C₁-C₆-haloalkyl)carbonyl-C₁-C₆-haloalkylthio, (C₁-C₆-alkoxy)carbonyl-C₁-C₆-40

•
alkylthio, (C_1 - C_6 -haloalkoxy)carbonyl- C_1 - C_6 -alkylthio, (C_1 - C_6 -alkoxy)carbonyl- C_1 - C_6 -haloal-
kylthio, (C ₁ -C ₆ -haloalkoxy)carbonyl-C ₁ -C ₆ -haloalkylthio, (C ₁ -C ₆ -alkoxy-C ₁ -C ₆ -alkyl)car-
$bonyl-C_1-C_6-alkylthio,\ (C_1-C_6-haloalkoxy-C_1-C_6-alkyl)carbonyl-C_1-C_6-alkylthio,\ (C_1-C_6-alk-1)carbonyl-C_1-C_6-alkylthio,\ (C_1-C_6-alkylthio)carbonyl-C_1-C_6-alkylthio,\ (C_1-C_6-alk-1)carbonyl-C_1-C_6-alkylthio,\ (C_1-C_6-alk-1)carbonylthio,\ (C_1-C_6-alkylthio,\ ($
$oxy-C_1-C_6-haloalkyl) carbonyl-C_1-C_6-alkylthio, (C_1-C_6-alkoxy-C_1-C_6-alkyl) carbonyl-C_1-C_6-alkyl) carbonyl-C_1-C_6-alkylbarbarbarbarbarbarbarbarbarbarbarbarbarb$
haloalkylthio, (C ₁ -C ₆ -haloalkoxy-C ₁ -C ₆ -haloalkyl)carbonyl-C ₁ -C ₆ -alkylthio, (C ₁ -C ₆ -haloal-
$koxy-C_1-C_6-alkyl) carbonyl-C_1-C_6-haloalkylthio, (C_1-C_6-alkoxy-C_1-C_6-haloalkyl) carbonyl-C_1-c_6-haloalkyl) carbonyl-C_1-c_6-haloalkyl) carbonyl-C_1-c_6-haloalkyl) carbonyl-C_1-c_6-haloalkyl (C_1-C_6-alkoxy-C_1-C_6-haloalkyl) carbonyl-C_1-c_6-haloalkyl (C_1-C_6-haloalkyl) carbonyl-C_1-c_6-haloalkyl (C_1-C_6-haloalkyl (C_$
C_6 -haloalkylthio, (C ₁ -C ₆ -haloalkoxy-C ₁ -C ₆ -haloalkyl)carbonyl-C ₁ -C ₆ -haloalkylthio, (C ₁ -C ₆ -
alkylthio)carbonyl-C ₁ -C ₆ -alkylthio, (C ₁ -C ₆ -haloalkylthio)carbonyl-C ₁ -C ₆ -alkylthio, (C ₁ -C ₆ -al-
kylthio) carbonyl-C ₁ -C ₆ -haloalkylthio, (C ₁ -C ₆ -haloalkylthio) carbonyl-C ₁ -C ₆ -haloalkylthio, (C ₁ -
$C_6\-alkylthio\-C_1\-C_6\-alkyl) carbonyl\-C_1\-C_6\-alkylthio,\ (C_1\-C_6\-haloalkylthio\-C_1\-C_6\-alkyl) carbonyl\-C_1\-C_6\-alkylthio\-C_1\-C_6\-alkyl) carbonyl\-C_1\-C_6\-alkylthio\-C_6\-alkylthio\-C_6\-alkyl$
$C_1-C_6-alkylthio,\ (C_1-C_6-alkylthio-C_1-C_6-haloalkyl) carbonyl-C_1-C_6-alkylthio,\ (C_1-C_6-alkylthio-C_1-C_6-alky$
$C_1-C_6-alkyl) carbonyl-C_1-C_6-haloalkylthio, (C_1-C_6-haloalkylthio-C_1-C_6-haloalkyl) carbonyl-C_1-c_6-haloalkyl) carbonyl-C_1-c_6-haloalkyl) carbonyl-C_1-c_6-haloalkyl (C_1-C_6-haloalkyl) carbonyl-C_1-c_6-haloalkyl) carbonyl-C_1-c_6-haloalkyl (C_1-C_6-haloalkyl) carbonyl (C_1-C_6-haloal$
$C_6\mbox{-}alkylthio,\ (C_1\mbox{-}C_6\mbox{-}haloalkylthio\mbox{-}C_1\mbox{-}C_6\mbox{-}haloalkylthio,\ (C_1\mbox{-}C_6\mbox{-}alkylthio\mbox{-}haloalkylthio\mbox{-}(C_1\mbox{-}C_6\mbox{-}alkylthio\mbox{-}haloalkylthio\mbox{-}(C_1\mbox{-}C_6\mbox{-}alkylthio\mbox{-}haloalkylthio\mbox{-}(C_1\mbox{-}C_6\mbox{-}alkylthio\mbox{-}haloalkylthio\mbox{-}(C_1\mbox{-}C_6\mbox{-}alkylthio\mbox{-}haloalkylthio\mbox{-}(C_1\mbox{-}C_6\mbox{-}alkylthio\mbox{-}haloalkylthio\mbox{-}(C_1\mbox{-}C_6\mbox{-}alkylthio\mbox{-}haloalkylthio\mbox{-}(C_1\mbox{-}C_6\mbox{-}alkylthio\mbox{-}haloalkylthio\mbox{-}(C_1\mbox{-}C_6\mbox{-}alkylthio\mbox{-}haloalkylthio\mbox{-}(C_1\mbox{-}C_6\mbox{-}alkylthio\mbox{-}haloalkylthio\mbox{-}(C_1\mbox{-}C_6\mbox{-}alkylthio\mbox{-}haloalkylthio\mbox{-}(C_1\mbox{-}C_6\mbox{-}alkylthio\mbox{-}haloalkylthio\mbox{-}(C_1\mbox{-}C_6\mbox{-}alkylthio\mbox{-}haloalkylthio\mbox{-}(C_1\mbox{-}C_6\mbox{-}alkylthio\mbox{-}haloalkylthio\mbox{-}(C_1\mbox{-}C_6\mbox{-}alkylthio\mbox{-}haloalkylthio\mbox{-}haloalkylthio\mbox{-}(C_1\mbox{-}Alkylthio\mbox{-}haloalkylthio\mbox{-}haloalkylthio\mbox{-}(C_1\mbox{-}Alkylthio\mbox{-}haloalkylthio\mbox{-}$
C_1 - C_6 -haloalkyl)carbonyl- C_1 - C_6 -haloalkylthio, (C_1 - C_6 -haloalkylthio- C_1 - C_6 -haloalkyl)car-
bonyl-C ₁ -C ₆ -haloalkylthio, C ₃ -C ₆ -cycloalkylthio, C ₃ -C ₆ -halocycloalkylthio, (C ₃ -C ₆ -cycloal-
kyl)C ₁ -C ₆ -alkylthio, (C ₃ -C ₆ -cycloalkyl)C ₁ -C ₆ -haloalkylthio, (C ₃ -C ₆ -halocycloalkyl)C ₁ -C ₆ -al-
kylthio, (C ₃ -C ₆ -halocycloalkyl)C ₁ -C ₆ -haloalkylthio, aminocarbonyl- C ₁ -C ₆ -alkylthio, ami-
nocarbonyl- C_1 - C_6 -haloalkylthio, N-(C_1 - C_6 -alkyl)-aminocarbonyl- C_1 - C_6 -alkylthio, N-(C_1 - C_6 -
haloalkyl)-aminocarbonyl- C ₁ -C ₆ -alkylthio, N-(C ₁ -C ₆ -alkyl)-aminocarbonyl- C ₁ -C ₆ -haloal-
kylthio, N-(C ₁ -C ₆ -haloalkyl)-aminocarbonyl- C ₁ -C ₆ -haloalkylthio, N,N-di(C ₁ -C ₆ -alkyl)-ami-
nocarbonyl- C_1 - C_6 -alkylthio, N,N-di(C_1 - C_6 -haloalkyl)-aminocarbonyl- C_1 - C_6 -alkylthio, N,N-
di(C ₁ -C ₆ -alkyl)-aminocarbonyl- C ₁ -C ₆ -haloalkylthio, N,N-di(C ₁ -C ₆ -haloalkyl)-aminocar-
bonyl-C ₁ -C ₆ -haloalkylthio, NH ₂ , (C ₁ -C ₆ -alkyl)amino, hydroxyamino, (C ₁ -C ₆₋ alkoxy)amino,
$(C_3$ - C_6 -cycloalkoxy)amino, (C_1- C_6 -alkyl)sulfinylamino, (C_1- C_6 -alkyl)sulfonylamino,
(amino)sulfinylamino, [(C_1 - C_6 -alkyl) -amino]sulfinylamino, (amino)sulfonylamino, [(C_1 - C_6 -
alkyl)amino]sulfonylamino, [di(C ₁ -C ₆ -alkyl)amino]sulfonylamino, di(C ₁ -C ₆ -alkyl)amino, (hy-
droxy)(C1-C6-alkyl)amino, (hydroxy) (C1-C6-cycloalkyl)amino, (C1-C6-alkoxy)(C1-C6-al-
kyl)amino, (C1-C6-alkoxy)(C3-C6-cycloalkyl)amino, (C3-C6-cycloalkoxy)(C1-C6-alkyl)amino,
$(C_3-C_6-cycloalkoxy)(C_3-C_6-cycloalkyl)amino, \ [(C_1-C_6-alkyl)sulfinyl](C_1-C_6-alkyl)amino, \ [(C_1-C_6-alkyl)amino, \ [(C_1-C_6-alkyl)amin$
C_6 -alkyl)sulfonyl](C_1 - C_6 -alkyl)-amino, [di(C_1 - C_6 -alkyl)amino]sulfinylamino, [di(C_1 - C_6 -al-
kyl)amino]sulfonylamino, phenyloxy, phenyl-C ₁ -C ₆ -alkoxy, phenylthio, phenyl-C ₁ -C ₆ -al-
kylthio, phenylamino, (C ₁ -C ₆ -alkyl)(phenyl)amino, [(C ₁ -C ₆ -alkyl)carbonyl]amino, [(C ₁ -C ₆ -
alkyl)carbonyl](C1-C6-alkyl) amino, [(C1-C6-haloalkyl)carbonyl]amino, [(C1-C6-haloalkyl)car-
bonyl](C_1 - C_6 -alkyl)amino, C_3 - C_6 -cycloalkylcarbonylamino, [(C_3 - C_6 -cycloalkyl)carbonyl](C_1 -
C_6 -alkyl)amino, phenylcarbonylamino, (phenylcarbonyl)(C_1 - C_6 -alkyl)amino, heterocyclyl-
carbonylamino, (heterocyclylcarbonyl)(C_1 - C_6 -alkyl)amino, heteroarylcarbonylamino, (het-
eroarylcarbonyl)(C1-C6-alkyl)amino, [(C1-C6-alkyl)carbonyl](C1-C6-alkoxy)amino, [(C1-C6-

haloalkyl)carbonyl](C1-C6-alkoxy)amino, [(C3-C6-cycloalkyl)carbonyl](C1-C6-alkyloxy)amino, (phenylcarbonyl) -(C1-C6-alkoxy)amino, (heterocyclylcarbonyl)(C1-C6-alkoxy)amino, (heteroarylcarbonyl) (C_1 - C_6 -alkoxy)amino, [(C_1 - C_6 -alkyl)carbonyl](C_2 - C_6 -alkenyl)amino, [(C1-C6-haloalkyl)carbonyl](C2-C6- alkenyl)amino, [(C3-C6-cycloalkyl)carbonyl](C2-C6alkenyl)amino, (phenylcarbonyl)(C2-C6-alkenyl)amino, (heterocyclylcarbonyl)(C2-C6-5 alkenyl)amino, (heteroarylcarbonyl)(C2-C6-alkenyl)amino, [(C1-C6-alkyl)carbonyl](C3-C6alkynyl)amino, [(C1-C6-halo-alkyl)carbonyl](C3-C6-alkynyl)amino, [(C3-C6-cycloalkyl)carbonyl](C₃-C₆-alkynyl)amino, (phenylcarbonyl)(C₃-C₆-alkynyl)amino, (heterocyclylcarbonyl)(C₃-C₆-alkynyl)amino, (heteroarylcarbonyl)(C₃-C₆-alkynyl)amino, [(C₂-C₆-alkenyl)carbonyl]amino, [(C2-C6-alkenyl) carbonyl](C1-C6-alkyl)amino, [(C2-C6-alkenyl)carbonyl](C1-10 C6-alkoxy)amino, [(C3-C6-alkynyl)carbonyl]amino, [(C3-C6-alkynyl)carbonyl](C1-C6-alkyl)amino, [(C₃-C₆-alkynyl)carbonyl](C₁-C₆-alkoxy)amino, [di(C₁-C₆-alkyl)amino]carbonylamino, [di(C1-C6-alkyl)aminocarbonyl](C1-C6-alkyl)amino, [di(C1-C6-alkyl)aminocarbonyl](C1-C₆-alkoxy)amino, (heteroaryl)oxy, heteroaryl-C₁-C₆-alkoxy, (heterocyclyl)oxy, or heterocy-15 $clyl-C_1-C_6$ -alkoxy;

4

wherein the cyclic groups of R² are unsubstituted or substituted by R^a;

Ζ is a 9 or 10 membered bicyclic ring comprising A;

А is C*, CR³, NR^{3A}, N, O, or S;

C* is a bridge carbon of the bicyclic ring Z;

 R^3 is halogen, CN, CHO, NO₂, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-alkylcarbonyl, C₂-C₆-20 alkenyl, C2-C6-haloalkenyl, C2-C6-alkenyl, C2-C6-haloalkenyl, C1-C6-alkoxy, C1-C6-haloalkoxy, C_3 - C_6 -alkenyloxy, C_3 - C_6 -haloalkenyloxy, C_3 - C_6 -alkenyloxy, C_3 - C_6 -haloalkenyloxy, C₁-C₆-alkoxy-C₁-C₆-alkoxy, hydroxycarbonyl, C₁-C₆-alkoxycarbonyl, C₁-C₆-alkylthio, C₁-C₆haloalkylthio, NH₂, (C₁-C₆-alkyl)amino, di(C₁-C₆-alkyl)amino, (C₁-C₆-alkyl)sulfinyl, (C₁-C₆alkyl)sulfonyl, C₃-C₆-cycloalkyl, (C₃-C₆-cycloalkyl)oxy, or phenyl; 25

wherein the cyclic groups of R^3 are unsubstituted or substituted by substituents R^a ;

 R^{3A} is H, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-alkylcarbonyl, C₂-C₆-alkenyl, C₂-C₆-haloalkenyl, C2-C6-alkenyl, C2-C6-haloalkenyl, C1-C6-alkoxy, C1-C6-haloalkoxy, C3-C6-alkenyloxy, C3- C_6 -haloalkenyloxy, C_3 - C_6 -alkenyloxy, C_3 - C_6 -haloalkenyloxy, C_1 - C_6 -alkoxy- C_1 - C_6 -alkoxy, hydroxycarbonyl, C₁-C₆-alkoxycarbonyl, C₁-C₆-alkylthio, C₁-C₆-haloalkylthio, NH₂, (C₁-C₆alkyl)amino, di(C1-C6-alkyl)amino, (C1-C6-alkyl)sulfinyl, (C1-C6-alkyl)sulfonyl, C3-C6-cycloalkyl, $(C_3-C_6-cycloalkyl)oxy$, or phenyl;

wherein the cyclic groups of R^{3A} are unsubstituted or substituted by R^a;

- R^4 is halogen, CN, CHO, NO₂, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-alkylcarbonyl, C₂-C₆-
- 35 alkenyl, C₂-C₆-haloalkenyl, C₂-C₆-alkenyl, C₂-C₆-haloalkenyl, C₁-C₆-alkoxy, C₁-C₆-haloalkoxy, C₃-C₆-alkenyloxy, C₃-C₆-haloalkenyloxy, C₃-C₆-alkenyloxy, C₃-C₆-haloalkenyloxy, C₁-C₆-alkoxy-C₁-C₆-alkoxy, hydroxycarbonyl, C₁-C₆-alkoxycarbonyl, C₁-C₆-alkylthio, C₁-C₆haloalkylthio, NH₂, (C₁-C₆-alkyl)amino, di(C₁-C₆-alkyl)amino, (C₁-C₆-alkyl)sulfinyl, (C₁-C₆alkyl)sulfonyl, C₃-C₆-cycloalkyl, (C₃-C₆-cycloalkyl)oxy, or phenyl; 40
 - wherein the cyclic groups of R⁴ are unsubstituted or substituted by R^a;
 - R^{a} is halogen, CN, NO₂, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-alkoxy, or C₁-C₆-haloalkoxy;

m is 0, 1, 2, or 3;

provided that if ring Z is unsubstituted naphthalene, m is 1, 2, or 3;

and agriculturally acceptable salts or derivatives of compounds of formula (I) having an acidic functionality.

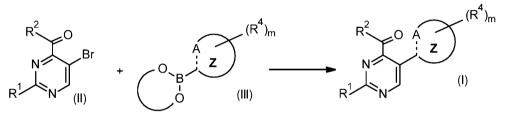
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The present invention also provides the use of pyrimidine compounds of formula (I) as described herein including their agriculturally acceptable salts or derivatives of compounds of formula (I) having an acidic functionality.

10 The pyrimidine compounds of formula (I) according to the invention can be prepared by standard processes of organic chemistry, e.g. by the following processes:

Process A:

The pyrimidine compounds of formula (I) can be obtained by reacting pyrimidines of formula (II) with acids/esters of formula (III):



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The reaction of the pyrimidine (II) with boronic acids/esters (III) is usually carried out at from 0 °C to the boiling point of the reaction mixture, preferably at from 15 °C to 110 °C, particularly preferably at from 40 °C to 100 °C, in an inert organic solvent in the presence of a base and a catalyst.

20 The reaction may in principle be carried out in substance. However, preference is given to reacting the pyrimidines (II) with the boronic acids/esters (III) in an organic solvent with or without water as co-solvent.

Suitable in principle are all solvents which are capable of dissolving the pyrimidines (II) and the boronic acids (III) at least partly and preferably fully under reaction conditions.

25 Examples of suitable solvents are aromatic hydrocarbons such as benzene, chlorobenzene, toluene, cresols, o-, m- and p-xylene, ethers such as diethyl ether, diisopropyl ether, tert.-butyl methylether (TBME), dioxane, anisole and tetrahydrofuran (THF), as well as dipolar aprotic solvents such as sulfolane, dimethylsulfoxide, N,N-dimethylformamide (DMF), N,N-dimethylacetamide (DMAC), 1,3-dimethyl-2-imidazolidinone (DMI), N,N'-dimethylpropylene urea (DMPU),

dimethyl sulfoxide (DMSO) and 1-methyl-2 pyrrolidinone (NMP).
 It is also possible to use mixtures of the solvents mentioned.
 Examples of suitable metal-containing bases are inorganic compounds including metal-containing bases such as alkali metal and alkaline earth metal hydroxides, and other metal hydroxides, such as LiOH, NaOH, KOH, Mg(OH)₂, Ca(OH)₂ and Al(OH)₃; alkali metal and alkaline

earth metal oxide, and other metal oxides, such as Li₂O, Na₂O, K₂O, MgO, and CaO, Fe₂O₃, Ag₂O; alkali metal and alkaline earth metal carbonates such as Li₂CO₃, Na₂CO₃, K₂CO₃, Cs₂CO₃, MgCO₃, and CaCO₃, as well as alkali metal hydrogen carbonates (bicarbonates) such as LiHCO₃, NaHCO₃, KHCO₃; alkali metal and alkaline earth metal phosphates such as potassium phosphate (K₃PO₄), calcium phosphate (Ca₃(PO₄)₂); alkali metal and alkaline earth metal

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acetates such as sodium acetate or potassium acetateThe term base as used herein also includes mixtures of two or more, preferably two of the above bases. Particular preference is given to the use of one base.

The bases are used preferably at from 1 to 10 equivalents based on the pyrimidine (II), more preferably at from 1.0 to 5.0 equivalents based on the pyrimidine (II), most preferably from 1.2 to 2.5 equivalents based on the pyrimidine (II).

It may be advantageous to add the base offset over a period of time.

The reaction of the pyrimidines (II) with the boronic acids/esters (III) is carried out in the presence of a catalyst. Examples of suitable catalysts include e.g., palladium based catalysts like,

10 e.g., Palladium(II)acetate, tetrakis(triphenylphosphine)palladium(0), bis(triphenylphosphine)palladium(II)chloride or (1,1,-bis(diphenylphosphino)ferrocene)-dichloropalladium(II), and optionally suitable additives such as, e.g., phosphines like, e.g., P(o-tolyl)3, triphenylphosphine or BINAP (2,2'-Bis(diphenylphospino)-1,1'-binaphthyl).

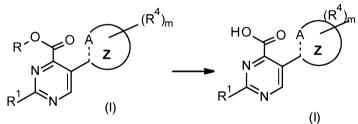
The amount of catalyst is usually 0.01 to 20 mol % (0.0001 to 0.2 equivalents) based on the pyrimidine (II).

The end of the reaction can easily be determined by the skilled worker by means of routine methods.

Pyrimidine compounds (I) wherein R² is OH can be easily obtained from a corresponding ester
(I) in which R² equals an alkoxy group (e.g. R = Me) by methods known to a person skilled in the art.

Process A:

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- Alternatively pyrimidine compounds (I), wherein R² has any one of the above mentioned
 meanings except OH, can also be obtained by modifying pyrimidine compounds (I) wherein R² is OH by known methods (e.g. "oxy-substituents" except "OH" analogous to Arnab, P. et. al. Angew. Chem. Int. Ed. 2010, 49, 1492-1495; "thio-substituents" analogous to Silvestri, M. A. et. al. J. Med. Chem. 2004, 47, 3149-3162; "amino-substituents" analogous to Kuhn, B. et. al. J. Med. Chem. 2010, 53, 2601-2611).
- 30 The pyrimidines (II) wherein R² is OH are known from the literature (e.g. WO 06/004532), can easily be prepared, or are commercially available.

To obtain the other pyrimidines (II), wherein R² has any one of the above mentioned meanings except OH, the pyrimidines (II) wherein R² is OH can easily be modified by known methods (e.g. "oxy-substituents" except "OH" analogous to Arnab, P. et. al. Angew. Chem. Int. Ed. 2010, 49,

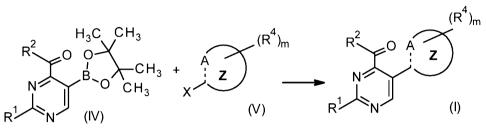
1492-1495; "thio-substituents" analogous to Silvestri, M. A. et. al. J. Med. Chem. 2004, 47,
3149-3162; "amino-substituents" analogous to Kuhn, B. et. al. J. Med. Chem. 2010, 53, 26012611).

The boronic acids or esters (III) required for the preparation of pyrimidine compounds of formula (I) are commercially available, known from literature or can easily prepared analogously to published procedures (e.g. Kamei et al. Tetrahedron Lett. 2014, 55, 4245 - 4247). Process B:

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The pyrimidine compounds of formula (I) can in addition be obtained by reacting respective pyrimidine boronic acid esters of formula (IV) with halides of formula (V) in which X equals CI, Br or I:



The reaction of the pyrimidine (IV) with halides (V) is usually carried out at from 0 °C to the boiling point of the reaction mixture, preferably at from 15 °C to 110 °C, particularly preferably at from 40 °C to 100 °C, in an inert organic solvent in the presence of a base and a catalyst.

The reaction may in principle be carried out in substance. However, preference is given to reacting the pyrimidines (IV) with the halides (V) in an organic solvent with or without water as cosolvent.

15 Suitable in principle are all solvents which are capable of dissolving the pyrimidines (IV) and the halides (V) at least partly and preferably fully under reaction conditions.

Examples of suitable solvents are aromatic hydrocarbons such as benzene, chlorobenzene, toluene, cresols, o-, m- and p-xylene, ethers such as diethyl ether, diisopropyl ether, TBME, dioxane, anisole and THF, as well as dipolar aprotic solvents such as sulfolane, DMF, DMAC,

20 DMI, DMPU, DMSO and NMP.

It is also possible to use mixtures of the solvents mentioned.

Examples of suitable metal-containing bases are inorganic compounds including metal-containing bases such as alkali metal and alkaline earth metal hydroxides, and other metal hydroxides, such as LiOH, NaOH, KOH, Mg(OH)₂, Ca(OH)₂ and Al(OH)₃; alkali metal and alkaline

- earth metal oxide, and other metal oxides, such as Li₂O, Na₂O, K₂O, MgO, and CaO, Fe₂O₃, Ag₂O; alkali metal and alkaline earth metal carbonates such as Li₂CO₃, Na₂CO₃, K₂CO₃, Cs₂CO₃, MgCO₃, and CaCO₃, as well as alkali metal hydrogen carbonates (bicarbonates) such as LiHCO₃, NaHCO₃, KHCO₃; alkali metal and alkaline earth metal phosphates such as potassium phosphate (K₃PO₄), calcium phosphate (Ca₃(PO₄)₂).
- 30 The term base as used herein also includes mixtures of two or more, preferably two of the above compounds. Particular preference is given to the use of one base.

The bases are used preferably at from 1 to 10 equivalents based on the pyrimidine (IV), more preferably at from 1.0 to 5.0 equivalents based on the pyrimidine (IV), most preferably from 1.2 to 2.5 equivalents based on the pyrimidine (IV).

35 It may be advantageous to add the base offset over a period of time.

The reaction of the pyrimidines (IV) with the boronic acids (V) is carried out in the presence of a catalyst. Examples of suitable catalysts include e.g., palladium based catalysts like, e.g., Palladium(II)acetate, tetrakis(triphenylphosphine)palladium(0), bis(triphenylphosphine)palladium(II)chloride or (1,1,-bis(diphenylphosphino)ferrocene)-dichloropalladium(II), and optionally suitable additives such as, e.g., phosphines like, e.g., P(o-tolyl)3, triphenylphosphine or BINAP (2,2'-Bis(diphenylphospino)-1,1'-binaphthyl).

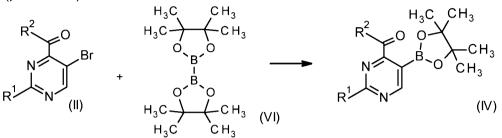
The amount of catalyst is usually 0.01 to 20 mol % (0.0001 to 0.2 equivalents) based on the pyrimidine (IV).

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The end of the reaction can easily be determined by the skilled worker by means of routine methods.

The pyrimidines of formula (IV) can be obtained by reacting the respective pyrimidines (II) with Bis(pinacolato)diboron VI.



10 The reaction of the pyrimidine (II) with Bis(pinacolato)diboron VI is usually carried out at from 0 °C to the boiling point of the reaction mixture, preferably at from 15 °C to 110 °C, particularly preferably at from 40 °C to 100 °C, in an inert organic solvent in the presence of a base and a catalyst.

The reaction may in principle be carried out in substance. However, preference is given to reacting the pyrimidines (II) with Bis(pinacolato)diboron VI in an organic solvent with or without

15 acting the pyrimidines (II) with Bis(pinacolato)diboron VI in an organic solvent with or without water as co-solvent.

Suitable in principle are all solvents which are capable of dissolving the pyrimidines (II) and the Bis(pinacolato)diboron VI at least partly and preferably fully under reaction conditions. Examples of suitable solvents are aromatic hydrocarbons such as benzene, chlorobenzene,

toluene, cresols, o-, m- and p-xylene, ethers such as diethyl ether, diisopropyl ether, TBME, dioxane, anisole and THF, as well as dipolar aprotic solvents such as sulfolane, DMF, DMAC, 1,3-dimethyl-2-imidazolidinone (DMI), N,N'-dimethylpropylene urea (DMPU), DMSO and 1-methyl-2 pyrrolidinone (NMP).

It is also possible to use mixtures of the solvents mentioned.

- Examples of suitable metal-containing bases are inorganic compounds including metal-containing bases such as alkali metal and alkaline earth metal hydroxides, and other metal hydroxides, such as LiOH, NaOH, KOH, Mg(OH)₂, Ca(OH)₂ and Al(OH)₃; alkali metal and alkaline earth metal oxide, and other metal oxides, such as Li₂O, Na₂O, K₂O, MgO, and CaO, Fe₂O₃, Ag₂O; alkali metal and alkaline earth metal carbonates such as Li₂CO₃, Na₂CO₃, K₂CO₃,
- 30 Cs₂CO₃, MgCO₃, and CaCO₃, as well as alkali metal hydrogen carbonates (bicarbonates) such as LiHCO₃, NaHCO₃, KHCO₃; alkali metal and alkaline earth metal phosphates such as potassium phosphate (K₃PO₄), calcium phosphate (Ca₃(PO₄)₂); alkali metal and alkaline earth metal acetates such as sodium acetate or potassium acetate.

The term base as used herein also includes mixtures of two or more, preferably two of the above compounds. Particular preference is given to the use of one base.

The bases are used preferably at from 1 to 10 equivalents based on the pyrimidine (II), more preferably at from 1.0 to 5.0 equivalents based on the pyrimidine (II), most preferably from 1.2 to 2.5 equivalents based on the pyrimidine (II).

It may be advantageous to add the base offset over a period of time.

The reaction of the pyrimidines (II) with Bis(pinacolato)diboron VI is carried out in the presence of a catalyst. Examples of suitable catalysts include e.g., palladium based catalysts like, e.g., Palladium(II)acetate, tetrakis(triphenylphosphine)palladium(0), bis(triphenylphosphine)palladium(II)chloride or (1,1,-bis(diphenylphosphino)ferrocene)-dichloropalladium(II), and optionally

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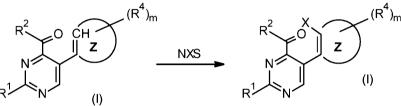
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suitable additives such as, e.g., phosphines like, e.g., P(o-tolyl)3, triphenylphosphine or BINAP (2,2'-Bis(diphenylphospino)-1,1'-binaphthyl).

The amount of catalyst is usually 0.01 to 20 mol % (0.0001 to 0.2 equivalents) based on the pyrimidine (II).

Process C:

10 The pyrimidine compounds of formula (I) can in addition be obtained by reacting non-halogenated pyrimidine compounds of formula (I) with halogenating agents such as NCS, NBS or NIS.



The halogenation is usually carried out at from 0 °C to the boiling point of the reaction mixture, preferably at from 15 °C to 110 °C, particularly preferably at from 40 °C to 100 °C, in an inert organic solvent in the presence of a base and a catalyst.

Suitable in principle are all solvents which are capable of dissolving the pyrimidines (I) and the reactant NXS at least partly and preferably fully under reaction conditions.

Examples of suitable solvents are aromatic hydrocarbons such as benzene, chlorobenzene, toluene, cresols, o-, m- and p-xylene, ethers such as diethyl ether, diisopropyl ether, TBME, di-

oxane, anisole and THF, as well as dipolar aprotic solvents such as sulfolane, DMF, DMAC,
 1,3-dimethyl-2-imidazolidinone (DMI), N,N'-dimethylpropylene urea (DMPU), DMSO and 1-me thyl-2 pyrrolidinone (NMP).

It is also possible to use mixtures of the solvents mentioned.

NXS is used preferably at from 1 to 10 equivalents based on the pyrimidine (I), more prefera-

bly at from 1.0 to 5.0 equivalents based on the pyrimidine (I), most preferably from 1.0 to 2.0 equivalents based on the pyrimidine (I).

It may be advantageous to add the agent offset over a period of time.

The end of the reaction can easily be determined by the skilled worker by means of routine methods.

- 30 The reaction mixtures are worked up in a customary manner, e.g. by mixing with water, separation of the phases and, if appropriate, chromatographic purification of the crude product. Some of the intermediates and end products are obtained in the form of viscous oils, which can be purified or freed from volatile components under reduced pressure and at moderately elevated temperature.
- 35 If the intermediates and the end products are obtained as solid, purification can also be carried out by recrystallization or digestion.

The present invention also provides agrochemical compositions comprising at least one pyrimidine compounds of formula (I) and auxiliaries customary for formulating crop protection agents.

The present invention furthermore provides a method for controlling unwanted vegetation where a herbicidal effective amount of at least one pyrimidine compounds of formula (I) is allowed to act on plants, their seeds and/or their habitat. Application can be done before, during and/or after, preferably during and/or after, the emergence of the undesirable plants.

- 5 Further embodiments of the present invention are evident from the claims, the description and the examples. It is to be understood that the features mentioned above and still to be illustrated below of the subject matter of the invention can be applied not only in the combination given in each particular case but also in other combinations, without leaving the scope of the invention. As used herein, the terms "controlling" and "combating" are synonyms.
- 10 As used herein, the terms "undesirable vegetation" and "harmful plants" are synonyms. If the pyrimidine compounds of formula (I) as described herein are capable of forming geometrical isomers, e.g. E/Z isomers, it is possible to use both, the pure isomers and mixtures thereof, in the compositions according to the invention.
- If the pyrimidine compounds of formula (I) as described herein have one or more centres of
 chirality and, as a consequence, are present as enantiomers or diastereomers, it is possible to
 use both, the pure enantiomers and diastereomers and their mixtures, in the compositions according to the invention.

If the pyrimidine compounds of formula (I) as described herein have ionisable functional groups, they can also be employed in the form of their agriculturally acceptable salts. Suitable

- 20 are, in general, the salts of those cations and the acid addition salts of those acids whose cations and anions, respectively, have no adverse effect on the activity of the active compounds. Preferred cations are the ions of the alkali metals, preferably of lithium, sodium and potassium, of the alkaline earth metals, preferably of calcium and magnesium, and of the transition metals, preferably of manganese, copper, zinc and iron, further ammonium and substituted ammonium
- in which one to four H atoms are replaced by C₁-C₄-alkyl, HO-C₁-C₄-alkyl, C₁-C₄-alkoxy-C₁-C₄-alkyl, HO-C₁-C₄-alkoxy-C₁-C₄-alkyl, phenyl or benzyl, preferably ammonium, methyl-ammonium, isopropylammonium, dimethylammonium, diisopropylammonium, trimethylammonium, hep-tylammonium, dodecylammonium, tetradecylammonium, tetradethylammonium, te
- 30 oxy)eth-1-ylammonium (diglycolamine salt), di(2-hydroxyeth-1-yl)ammonium (diolamine salt), tris(2-HO-ethyl)ammonium (trolamine salt), tris(2-hydroxypropyl)ammonium, benzyltrime-thylammonium, benzyltriethylammonium, N,N,N-trimethylethanolammonium (choline salt), furthermore phosphon-ium ions, sulfonium ions, preferably tri(C₁-C₄-alkyl)sulfonium, such as trime-thylsulfonium, and sulfoxonium ions, preferably tri(C₁-C₄-alkyl)sulfoxonium, and finally the salts
- 35 of polybasic amines such as N,N-bis-(3-aminopropyl)methylamine and diethylenetriamine. Anions of useful acid addition salts are primarily chloride, bromide, fluoride, iodide, hydrogensulfate, methylsulfate, sulfate, dihydrogenphosphate, hydrogenphosphate, nitrate, bicarbonate, carbonate, hexafluorosilicate, hexafluorophosphate, benzoate and also the anions of C₁-C₄-alkanoic acids, preferably formate, acetate, propionate and butyrate.
- 40 Pyrimidine compounds of formula (I) as described herein having an acidic functionality can be employed, if applicable, in the form of the acid, in the form of an agriculturally suitable salt as mentioned above or else in the form of an agriculturally acceptable derivative, e.g. as amides, such as mono- and di-C₁-C₆-alkylamides or arylamides, as esters, e.g. as allyl esters, propargyl esters, C₁-C₁₀-alkyl esters, alkoxyalkyl esters, tefuryl ((tetrahydrofuran-2-yl)methyl) esters and

also as thioesters, e.g. as C_1 - C_{10} -alkylthio esters. Preferred mono- and di- C_1 - C_6 -alkylamides are the CH₃ and the dimethylamides. Preferred arylamides are, e.g., the anilides and the 2-chloroanilides. Preferred alkyl esters are, e.g., the methyl, ethyl, propyl, isopropyl, butyl, isobutyl, pentyl, mexyl (1-methylhexyl), meptyl (1-methylheptyl), heptyl, octyl or isooctyl (2-ethylhexyl) es-

5 ters. Preferred C₁-C₄-alkoxy-C₁-C₄-alkyl esters are the straight-chain or branched C₁-C₄-alkoxy ethyl esters, e.g. the 2-methoxyethyl, 2-ethoxyethyl, 2-butoxyethyl (butotyl), 2-butoxypropyl or 3-butoxypropyl ester. An example of a straight-chain or branched C₁-C₁₀-alkylthio ester is the ethylthio ester.

The organic moieties mentioned in the definition of the variables R¹, R², A, Z, R³, R^{3A}, and R⁴,
are - like the term halogen - collective terms for individual enumerations of the individual group members. The term halogen denotes in each case F, Cl, Br, or I. All hydrocarbon chains, e.g. all alkyl, alkenyl, alkynyl, alkoxy chains can be straight-chain or branched, the prefix C_n-C_m denoting in each case the possible number of carbon atoms in the group.

Examples of such meanings are:

15 - C_1 - C_4 -alkyl: e.g. CH_3 , C_2H_5 , n-propyl, $CH(CH_3)_2$, n-butyl, $CH(CH_3)$ - C_2H_5 , CH_2 - $CH(CH_3)_2$, and $C(CH_3)_3$;

- C_1 - C_6 -alkyl: C_1 - C_4 -alkyl as mentioned above, and also, e.g., n-pentyl, 1-methylbutyl, 2methylbutyl, 3-methylbutyl, 2,2-dimethylpropyl, 1-ethylpropyl, n-hexyl, 1,1-dimethylpropyl, 1,2dimethylpropyl, 1-methylpentyl, 2-methylpentyl, 3-methylpentyl, 4-methylpentyl, 1,1-dimethyl-

- 20 butyl, 1,2-dimethylbutyl, 1,3-dimethylbutyl, 2,2-dimethylbutyl, 2,3-dimethylbutyl, 3,3-dimethylbutyl, 1-ethylbutyl, 2-ethylbutyl, 1,1,2-trimethylpropyl, 1,2,2-trimethylpropyl, 1-ethyl-1-methylpropyl or 1-ethyl-2-methylpropyl, preferably methyl, ethyl, n–propyl, 1–methylethyl, n–butyl, 1,1–dimethylethyl, n–pentyl, or n–hexyl;
- C₁-C₄-haloalkyl: C₁-C₄-alkyl as mentioned above which is partially or fully substituted by fluorine, chlorine, bromine and/or iodine, e.g., chloromethyl, dichloromethyl, trichloromethyl, fluoromethyl, difluoromethyl, trifluoromethyl, chlorofluoromethyl, dichlorofluoromethyl, chlorodifluoromethyl, bromomethyl, iodomethyl, 2-fluoroethyl, 2-chloroethyl, 2-bromoethyl, 2-iodoethyl, 2,2difluoroethyl, 2,2,2-trifluoroethyl, 2-chloro-2-fluoroethyl, 2-chloro-2,2-difluoroethyl, 2,2-dichloro-2-fluoroethyl, 2,2,2-trichloroethyl, pentafluoroethyl, 2-fluoropropyl, 3-fluoropropyl, 2,2-difluoro-
- 30 propyl, 2,3-difluoropropyl, 2-chloropropyl, 3-chloropropyl, 2,3-dichloropropyl, 2-bromopropyl, 3bromopropyl, 3,3,3-trifluoropropyl, 3,3,3-trichloropropyl, 2,2,3,3,3-pentafluoropropyl, heptafluoro-propyl, 1-(fluoromethyl)-2-fluoroethyl, 1-(chloromethyl)-2-chloroethyl, 1-(bromomethyl)-2-bromo-ethyl, 4-fluorobutyl, 4-chlorobutyl, 4-bromobutyl, nonafluorobutyl, 1,1,2,2,-tetrafluoroethyl, and 1-trifluoromethyl-1,2,2,2-tetrafluoroethyl;
- C₁-C₆-haloalkyl: C₁-C₄-haloalkyl as mentioned above, and also, e.g., 5-fluoropentyl, 5 chloropentyl, 5-bromopentyl, 5-iodopentyl, undecafluoropentyl, 6-fluorohexyl, 6-chlorohexyl,
 6-bromohexyl, 6-iodohexyl, and dodecafluorohexyl;

- C₃-C₆-cycloalkyl: monocyclic saturated hydrocarbons having 3 to 6 ring members, such as cyclopropyl, cyclobutyl, cyclopentyl, and cyclohexyl;

C₃-C₆-alkenyl: e.g. 1-propenyl, 2-propenyl, 1-methylethenyl, 1-butenyl, 2-butenyl, 3-butenyl, 1-methyl-1-propenyl, 2-methyl-1-propenyl, 1-methyl-2-propenyl, 2-methyl-2-propenyl, 1-pentenyl, 2-pentenyl, 3-pentenyl, 4-pentenyl, 1-methyl-1-butenyl, 2-methyl-1-butenyl, 3-methyl-2-butenyl, 3-methyl-2-butenyl, 3-methyl-2-butenyl, 3-methyl-2-butenyl, 3-methyl-3-butenyl, 1,1-dimethyl-2-propenyl, 1,2-dimethyl-1-propenyl, 1,2-

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dimethyl-2-propenyl, 1-ethyl-1-propenyl, 1-ethyl-2-propenyl, 1-hexenyl, 2-hexenyl, 3-hexenyl, 4-hexenyl, 5-hexenyl, 1-methyl-1-pentenyl, 2-methyl-1-pentenyl, 3-methyl-2-pentenyl, 4-methyl-2-pentenyl, 1-methyl-2-pentenyl, 2-methyl-2-pentenyl, 3-methyl-2-pentenyl, 4-methyl-2-pentenyl, 1-methyl-3-pentenyl, 1-methyl-3-pentenyl, 4-methyl-3-pentenyl, 1-methyl-3-pentenyl, 4-methyl-3-pentenyl, 1-methyl-3-pentenyl, 4-methyl-3-pentenyl, 1-methyl-3-pentenyl, 4-methyl-3-pentenyl, 4-methyl-3-pentenyl, 1-methyl-3-pentenyl, 4-methyl-3-pentenyl, 4-methyl-3-pentenyl, 1-methyl-3-pentenyl, 4-methyl-3-pentenyl, 4-methyl-3-pentenyl

- 5 4-pentenyl, 2-methyl-4-pentenyl, 3-methyl-4-pentenyl, 4-methyl-4-pentenyl, 1,1-dimethyl-2-butenyl, 1,1-dimethyl-3-butenyl, 1,2-dimethyl-1-butenyl, 1,2-dimethyl-2-butenyl, 1,2-dimethyl-3-butenyl, 1,3-dimethyl-1-butenyl, 1,3-dimethyl-2-butenyl, 1,3-dimethyl-3-butenyl, 2,2-dimethyl-3-butenyl, 2,3-dimethyl-1-butenyl, 2,3-dimethyl-2-butenyl, 2,3-dimethyl-3-butenyl, 3,3-dimethyl-1-butenyl, 3,3-dimethyl-2-butenyl, 1-ethyl-1-butenyl, 1-ethyl-2-butenyl, 1-ethyl-3-butenyl, 2-ethyl-1-
- 10 butenyl, 2-ethyl-2-butenyl, 2-ethyl-3-butenyl, 1,1,2-trimethyl-2-propenyl, 1-ethyl-1-methyl-2-propenyl, 1-ethyl-2-methyl-1-propenyl, and 1-ethyl-2-methyl-2-propenyl;

- C₃-C₆-haloalkenyl: a C₃-C₆-alkenyl substituent as mentioned above which is partially or fully substituted by fluorine, chlorine, bromine and/or iodine, e.g. 2-chloroprop-2-en-1-yl, 3-chloroprop-2-en-1-yl, 2,3-dichloroprop-2-en-1-yl, 3,3-dichloroprop-2-en-1-yl, 2,3,3-trichloro-2-en-1-yl, 2,3-dichlorobut-2-en-1-yl, 2-bromoprop-2-en-1-yl, 3-bromoprop-2-en-1-yl, 2,3-dibromoprop-2-

15 2,3-dichlorobut-2-en-1-yl, 2-bromoprop-2-en-1-yl, 3-bromoprop-2-en-1-yl, 2,3-dibromoprop-2 en-1-yl, 3,3-dibromoprop-2-en-1-yl, 2,3,3-tribromo-2-en-1-yl, or 2,3-dibromobut-2-en-1-yl;

- C₃-C₆-alkynyl: e.g. 1-propynyl, 2-propynyl, 1-butynyl, 2-butynyl, 3-butynyl, 1-methyl-2propynyl, 1-pentynyl, 2-pentynyl, 3-pentynyl, 4-pentynyl, 1-methyl-2-butynyl, 1-methyl-3-butynyl, 2-methyl-3-butynyl, 3-methyl-1-butynyl, 1,1-dimethyl-2-propynyl, 1-ethyl-2-propynyl, 1-hexynyl,

20 2-hexynyl, 3-hexynyl, 4-hexynyl, 5-hexynyl, 1-methyl-2-pentynyl, 1-methyl-3-pentynyl, 1-methyl-4-pentynyl, 2-pentynyl, 2-methyl-3-pentynyl, 2-methyl-4-pentynyl, 3-methyl-1-pentynyl, 3-methyl-4-pentynyl, 4-methyl-1-pentynyl, 4-methyl-2-pentynyl, 1,1-dimethyl-2-butynyl, 1,1-dimethyl-3-butynyl, 1,2-dimethyl-3-butynyl, 2,2-dimethyl-3-butynyl, 3,3-dimethyl-1-butynyl, 1-ethyl-2-butynyl, 1-ethyl-3-butynyl, 2-ethyl-3-butynyl, and 1-ethyl-1-methyl-2-propynyl;

- C₂-C₆-alkynyl: C₃-C₆-alkynyl as mentioned above and also ethynyl;

- C₃-C₆-haloalkynyl: a C₃-C₆-alkynyl radical as mentioned above which is partially or fully substituted by F, Cl, Br and/or I, e.g. 1,1-difluoroprop-2-yn-1-yl, 3-chloroprop-2-yn-1-yl, 3-bromo-prop-2-yn-1-yl, 3-iodoprop-2-yn-1-yl, 4-fluorobut-2-yn-1-yl, 4-chlorobut-2-yn-1-yl, 1,1-difluorobut-2-yn-1-yl, 4-iodobut-3-yn-1-yl, 5-fluoropent-3-yn-1-yl, 5-iodopent-4-yn-1-yl, 6-fluorohex-4-yn-1-yl, or 6-iodohex-5-yn-1-yl;

- C₁-C₄-alkoxy: e.g. methoxy, ethoxy, propoxy, 1-methylethoxy butoxy, 1-methylpropoxy, 2-methylpropoxy, and 1,1-dimethylethoxy;

C₁-C₆-alkoxy: C₁-C₄-alkoxy as mentioned above, and also, e.g., pentoxy, 1-methylbut-oxy, 2-methylbutoxy, 3-methoxylbutoxy, 1,1-dimethylpropoxy, 1,2-dimethylpropoxy, 2,2-dimethylpropoxy, 1-ethylpropoxy, 1-methylpentoxy, 2-methylpentoxy, 3-methylpentoxy, 4-methylpentoxy, 1,1-dimethylbutoxy, 1,2-dimethylbutoxy, 1,3-dimethylbutoxy, 2,2-dimethylbutoxy, 2,3-dimethylbutoxy, 3,3-dimethylbutoxy, 1-ethylbutoxy, 2-ethylbutoxy, 1,1,2-trime-thylpropoxy, 1,2,2-trimethylpropoxy, 1-ethyl-1-methylpropoxy, and 1-ethyl-2-methylpropoxy.

C₁-C₄-haloalkoxy: a C₁-C₄-alkoxy radical as mentioned above which is partially or fully
 substituted by fluorine, chlorine, bromine and/or iodine, i.e., e.g., fluoromethoxy, difluoromethoxy, trifluoromethoxy, chlorodifluoromethoxy, bromodifluoromethoxy, 2-fluoroethoxy, 2-chloro-ethoxy, 2-bromomethoxy, 2-iodoethoxy, 2,2-difluoroethoxy, 2,2,2-trifluoroethoxy, 2-chloro-2-fluoroethoxy, 2,2-difluoroethoxy, 2,2,2-trichloroethoxy, pen-

tafluoroethoxy, 2-fluoropropoxy, 3-fluoropropoxy, 2-chloropropoxy, 3-chloropropoxy, 2-bromopropoxy, 3-bromopropoxy, 2,2-difluoropropoxy, 2,3-difluoropropoxy, 2,3-dichloropropoxy, 3,3,3trifluoropropoxy, 3,3,3-trichloropropoxy, 2,2,3,3,3-pentafluoropropoxy, heptafluoropropoxy, 1-(fluoromethyl)-2-fluoroethoxy, 1-(chloromethyl)-2-chloroethoxy, 1-(bromomethyl)-2-bromoethoxy, 4-fluorobutoxy, 4-chlorobutoxy, 4-bromobutoxy, and nonafluorobutoxy;

- C_1 - C_6 -haloalkoxy: a C_1 - C_4 -haloalkoxy as mentioned above, and also, e.g., 5-fluoropentoxy, 5-chloropentoxy, 5-bromopentoxy, 5-iodopentoxy, undecafluoropentoxy, 6-fluorohexoxy, 6-chlorohexoxy, 6-bromohexoxy, 6-iodohexoxy and dodecafluorohexoxy;
- C₁-C₄-alkylthio: e.g. methylthio, ethylthio, propylthio, 1-methylethylthio, butylthio, 1 10 methylpropylthio, 2-methylpropylthio, and 1,1-dimethylethylthio;

 $\label{eq:c1-C6-alkylthic: C1-C4-alkylthic as mentioned above, and also, e.g., pentylthic, 1-methylbutylthic, 2-methylbutylthic, 3-methylbutylthic, 2,2-dimethylpropylthic, 1-ethylpropylthic, hexylthic, 1,1-dimethylpropylthic, 1,2-dimethylpropylthic, 1-methylpentylthic, 2-methylpentylthic, 3-methylpentylthic, 4-methylpentylthic, 1,1-dimethylbutylthic, 1,2-dimethylbutylthic, 1,2-dimethylputylthic, 1,2-dimethylbutylthic, 1,2-dimethylbutylthic, 1,2-dimethylputylthic, 1,2-dimethylbutylthic, 1,2-dimethylbutylthic, 1,2-dimethylbutylthic, 1,2-dimethylbutylthic, 1,2-dimethylbutylthic, 1,2-dimethylbutylthic, 1,2-dimethylbutylthic, 1,2-dimethylbutylthic, 1,2-dimethylbutylthic, 1,3-dimethylbutylthic, 1,3-dimethyl$

butylthio, 2,2-dimethylbutylthio, 2,3-dimethylbutylthio, 3,3-dimethylbutylthio, 1-ethylbutylthio, 2ethylbutylthio, 1,1,2-trimethylpropylthio, 1,2,2-trimethylpropylthio, 1-ethyl-1-methylpropylthio, and 1- ethyl-2-methylpropylthio;

- (C₁-C₄-alkyl)amino: e.g. methylamino, ethylamino, propylamino, 1-methylethylamino, butylamino, 1-methylpropylamino, 2-methylpropylamino, or 1,1-dimethylethylamino;

- (C₁-C₆-alkyl)amino: (C₁-C₄-alkylamino) as mentioned above, and also, e.g., pentyl-amino, 1-methylbutylamino, 2-methylbutylamino, 3-methylbutylamino, 2,2-dimethylpropylamino, 1-ethylpropylamino, hexylamino, 1,1-dimethylpropylamino, 1,2-dimethylpropylamino, 1-methylpentylamino, 2-methylpentylamino, 3-methylpentylamino, 4-methylpentylamino, 1,1-dimethylpentylamino, 2,2-dimethylbutylamino, 2,3-dimethylbutylamino, 3,3-dimethylbutylamino, 1-ethylbutylamino, 2-ethylbutylamino, 1,1,2-trimethylpentylamino, 1-ethylbutylamino, 2-methylpentylamino, 1,2-dimethylbutylamino, 1,3-dimethylbutylamino, 2,2-dimethylbutylamino, 1,1,2-trimethylpentylamino, 1-ethylbutylamino, 2-ethylbutylamino, 1,1,2-trimethylpentylamino, 1-ethylbutylamino, 2-ethylbutylamino, 1,1,2-trimethylpentylamino, 1,1,2-trimethylpentylamino, 1-ethylbutylamino, 2-ethylbutylamino, 1,1,2-trimethylpentylamino, 1-ethylbutylamino, 2-ethylbutylamino, 1,1,2-trimethylpentylamino, 1-ethylbutylamino, 2-ethylbutylamino, 1,1,2-trimethylpentylamino, 1-ethylbutylamino, 2-ethylbutylamino, 1,1,2-trimethylpentylamino, 1,1,2-trimethylpentylamino, 1-ethylbutylamino, 2-ethylbutylamino, 1,1,2-trimethylpentylamino, 1-ethylbutylamino, 2-ethylbutylamino, 1,1,2-trimethylpentylamino, 2-ethylbutylamino, 1,1,2-trimethylpentylamino, 2-ethylbutylamino, 2-ethylbutylamino, 1,1,2-trimethylpentylamino, 2-ethylbutylamino, 2-ethylbutylamino, 1,1,2-trimethylpentylamino, 2-ethylbutylamino, 2-ethylbutylamino, 1,1,2-trimethylpentylpentylamino, 2-ethylbutylamino, 2-ethylbutyla
- propylamino, 1,2,2-trimethyl-propylamino, 1-ethyl-1-methylpropylamino, or 1-ethyl-2-methylpropylamino;

- di(C₁-C₄-alkyl)amino: e.g. N,N-dimethylamino, N,N-diethylamino, N,N-di(1-methylethyl)amino, N,N-dipropylamino, N,N-dibutylamino, N,N-di(1-methylpropyl)amino, N,N-di(2-me-

- 30 thyl-propyl)amino, N,N-di(1,1-dimethylethyl)amino, N-ethyl-N-methylamino, N-methyl-N-propylamino, N-methyl-N-(1-methylethyl)amino, N-butyl-N-methylamino, N-methyl-N-(1-methylpropyl)amino, N-methyl-N-(2-methylpropyl)amino, N-(1,1-dimethylethyl)-N-methylamino, N-ethyl-Npropylamino, N-ethyl-N-(1-methylethyl)amino, N-butyl-N-ethylamino, N-ethyl-N-(1-methylpropyl)amino, N-ethyl-N-(2-methylpropyl)amino, N-ethyl-N-(1,1-dimethylethyl)amino, N-(1-methylpropyl)amino, N-ethyl-N-(2-methylpropyl)amino, N-ethyl-N-(1,1-dimethylethyl)amino, N-(1-methylpropyl)-
- 35 N-propylamino, N-butyl-N-propylamino, N-(1-methylpropyl)-N-propylamino, N-(2-methylpropyl)-N-propylamino, N-(1,1-dimethylethyl)-N-propylamino, N-butyl-N-(1-methylethyl)amino, N-(1-methyl-ethyl)-N-(1-methyl-propyl)amino, N-(1-methylethyl)-N-(2-methylpropyl)amino, N-(1,1-dimethylethyl)-N-(1-methylethyl)amino, N-butyl-N-(1-methylpropyl)amino, N-butyl-N-(2-methylpropyl)amino, N-butyl-N-(1,1-dimethylethyl)amino, N-(1-methylpropyl)-N-(2-methylpropyl)amino, N-
- 40 (1,1-dimethyl-ethyl)-N-(1-methylpropyl)amino, or N-(1,1-dimethylethyl)-N-(2-methylpropyl)amino;
 di(C₁-C₆-alkyl)amino: di(C₁-C₄-alkyl)amino as mentioned above, and also, e.g., N-me-thyl-N-pentylamino, N-methyl-N-(1-methylbutyl)amino, N-methyl-N-(2-methylbutyl)amino, N-methyl-N-(1-methylbutyl)amino, N-methyl-N-(2-methylbutyl)amino, N-methyl-N-(1-ethylpro-thylpropyl)amino, N-methyl-N-(1-ethylpro-thylpropyl)amino, N-methyl-N-(1-ethylpro-thylpropyl)amino, N-methyl-N-(1-ethylpro-thylpropyl)amino, N-methyl-N-(1-ethylpro-thylpropyl)amino, N-methyl-N-(1-ethylpro-thylpropyl)amino, N-methyl-N-(1-ethylpro-thylpropyl)amino, N-methyl-N-(1-ethylpro-thylpro

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pyl)amino, N-methyl-N-hexylamino, N-methyl-N-(1,1-dimethylpropyl)amino, N-methyl-N-(1,2-dimethylpropyl)amino, N-methyl-N-(1-methylpentyl)amino, N-methyl-N-(2-methylpentyl)amino, Nmethyl-N-(3-methylpentyl)amino, N-methyl-N-(4-methylpentyl)amino, N-methyl-N-(1,1-dimethylbutyl)amino, N-methyl-N-(1,2-dimethylbutyl)amino, N-methyl-N-(1,3-dimethylbutyl)amino, N-me-

- 5 thyl-N-(2,2-dimethylbutyl)amino, N-methyl-N-(2,3-dimethylbutyl)amino, N-methyl-N-(3,3-dimethylbutyl)amino, N-methyl-N- (1-ethylbutyl)amino, N-methyl-N-(2-ethylbutyl)amino, N-methyl-N-(1,1,2-trimethylpropyl)amino, N-methyl-N- (1,2,2-trimethylpropyl)amino, N-methyl-N-(1-ethyl-1methylpropyl)amino, N-methyl-N- (1-ethyl-2-methylpropyl)amino, N-ethyl-N-pentylamino, Nethyl-N-(1-methylbutyl)amino, N-ethyl-N-(2-methylbutyl)amino, N-ethyl-N-(3-methylbutyl)amino,
- 10 N-ethyl-N-(2,2-dimethylpropyl)amino, N-ethyl-N-(1-ethylpropyl)amino, N-ethyl-N-hexylamino, N-ethyl-N-(1,1-dimethylpropyl)amino, N-ethyl-N-(1,2-dimethylpropyl)amino, N-ethyl-N-(1methylpentyl)amino, N-ethyl-N-(2-methylpentyl)amino, N-ethyl-N-(3-methylpentyl)amino, Nethyl-N-(4-methylpentyl)amino, N-ethyl-N-(1,1-dimethylbutyl)amino, N-ethyl-N-(1,2-dimethylbutyl)amino, N-ethyl-N-(1,3-dimethylbutyl)amino, N-ethyl-N-(2,2-dimethylbutyl)amino, N-ethyl-N-
- 15 (2,3-dimethylbutyl)amino, N-ethyl-N-(3,3-dimethylbutyl)amino, N-ethyl-N-(1-ethylbutyl)amino, N-ethyl-N-(2-ethylbutyl)amino, N-ethyl-N-(1,1,2-trimethylpropyl)amino, N-ethyl-N-(1,2,2-trime-thylpropyl)amino, N-ethyl-N-(1-ethyl-1-methylpropyl)amino, N-ethyl-N-(1-ethyl-2-methylpropyl)amino, N-propyl-N-pentylamino, N-butyl-N-pentylamino, N,N-dipentylamino, N-propyl-N-hexylamino, N-butyl-N-hexylamino, or N,N-dihexylamino;
- C₁-C₆-alkylsulfinyl (C₁-C₆-Alkyl-S(=O)-): e.g. methylsulfinyl, ethylsulfinyl, propylsulfinyl, 1-methylethylsulfinyl, butylsulfinyl, 1-methylpropylsulfinyl, 2-methylpropylsulfinyl, 1,1-di-methylethylsulfinyl, pentylsulfinyl, 1-methylbutylsulfinyl, 2-methylbutylsulfinyl, 3-methylbutylsulfinyl, 2,2-dimethylpropylsulfinyl, 1-ethylpropylsulfinyl, 1,1-dimethylpropylsulfinyl, 1,2-dimethylpropylsulfinyl, 4-methylpentylsulfinyl, 3-methylpentylsulfinyl, 4-methylpentylsulfinyl, 4-methylpentylsulfinyl, 3-methylpentylsulfinyl, 4-methylpentylsulfinyl, 4-methylpentylsul
- 25 methylpentyl-sulfinyl, 1,1-dimethylbutylsulfinyl, 1,2-dimethylbutylsulfinyl, 1,3-dimethylbutyl-sulfinyl, 2,2-dimethylbutylsulfinyl, 2,3-dimethylbutylsulfinyl, 3,3-dimethylbutyl-sulfinyl, 1-ethylbutylsulfinyl, 2-ethylbutylsulfinyl, 1,1,2-trimethylpropylsulfinyl, 1,2,2-trimethylpropylsulfinyl, 1-ethyl-1methylpropyl-sulfinyl, and 1-ethyl-2-methylpropylsulfinyl;
- C₁-C₆-alkylsulfonyl (C₁-C₆-alkyl-S(O)₂-): e.g. methylsulfonyl, ethylsulfonyl, propylsulfonyl,
 1-methylethylsulfonyl, butylsulfonyl, 1-methylpropylsulfonyl, 2-methyl-propylsulfonyl, 1,1-dimethylethylsulfonyl, pentylsulfonyl, 1-methylbutylsulfonyl, 2-methylbutylsulfonyl, 3-methylbutylsulfonyl, 1,1-dimethylpropylsulfonyl, 1,2-dimethylpropylsulfonyl, 2,2-dimethylpropyl-sulfonyl, 1ethylpropylsulfonyl, hexylsulfonyl, 1-methylpentylsulfonyl, 2-methylpentylsulfonyl, 3-methylpentylsulfonyl, 4-methylpentylsulfonyl, 1,1-dimethylbutylsulfonyl, 1,2-dimethylbutylsulfonyl, 1,3-dimethylbutylsulfonyl, 2,2-dimethylbutylsulfonyl, 2,3-dimethylbutylsulfonyl, 3,3-dimethylbutyl-sul-
- 35 methylbutylsulfonyl, 2,2-dimethylbutylsulfonyl, 2,3-dimethylbutylsulfonyl, 3,3-dimethylbutyl-sulfonyl, 1-ethylbutylsulfonyl, 2-ethylbutylsulfonyl, 1,1,2-trimethyl-propylsulfonyl, 1,2,2-trimethylpropylsulfonyl, 1-ethyl-1-methylpropylsulfonyl, and 1-ethyl-2-methylpropylsulfonyl;
 - C₃-C₆-cycloalkyl: a monocyclic saturated hydrocarbon having 3 to 6 ring members, such as cyclopropyl, cyclobutyl, cyclopentyl, and cyclohexyl;
- 40 C₃-C₆-cycloalkenyl: 1-cyclopropenyl, 2-cyclopropenyl, 1-cyclobutenyl, 2-cyclobutenyl, 1cyclopentenyl, 2-cyclopentenyl, 1,3-cyclopentadienyl, 1,4-cyclopentadienyl, 2,4-cyclopentadienyl, 1-cyclohexenyl, 2-cyclohexenyl, 3-cyclohexenyl, 1,3-cyclohexadienyl, 1,4-cyclohexadienyl, or 2,5-cyclohexadienyl;

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- bicyclic ring: a 9- to 10-membered bicyclic ring: a partially or fully unsaturated 9- to 10membered carbocyclic system wherein two partially or fully unsaturated carbocyclic rings are fused with each other through 2 ring members, and which in addition to carbon atoms and independent of their position in the ring can comprise as ring members 1 to 4 nitrogen atoms, or 1 or

- 5 2 oxygen atoms, or 1 or 2 oxygen atoms and 1 to 2 nitrogen atoms, or 1 or 3 sulfur atoms, or 1 to 4 nitrogen atoms and an oxygen atom, or one to three nitrogen atoms and a sulfur atom, or one sulfur and one oxygen atom, examples of such bicyclic ring are, 2,3-dihydrobenzothio-phene, benzothiophene, 2,3-dihydrobenzofuran, benzofuran, 1,3-benzodioxole, 1,3-benzodithiole, 1,3-benzoxathiole, indole, indane, [1,3]dioxolo[4,5-c]pyridine, [1,3]dioxolo[4,5-b]pyridine,
- 10 2,3-dihydrofuro[2,3-c]pyridine, furo[2,3-c]pyridine, 2,3-dihydrofuro[2,3-b]pyridine, furo[2,3-b]pyridine, 2,3-dihydrofuro[3,2-c]pyridine, furo[3,2-c]pyridine, 2,3-dihydrofuro[3,2-b]pyridine, furo[3,2-c]pyridine, 6,7-dihydrofuro[3,2-d]pyrimidine, furo[2,3-d]pyrimidine, 6,7-dihydrofuro[2,3-d]pyrimidine, 5,6-di-hydrofuro[2,3-d]pyrimidine, thieno[3,2-d]pyrimidine, thieno[2,3-d]pyrimidine, 2,3-dihydrothieno[2,3-c]pyridine, 2,3-dihydrothieno[2,3-c]pyridine, 6,7-dihydrothieno[2,3-c]pyridine, 5,6-dihydrothieno[2,3-d]pyrimidine, 2,3-dihydrothieno[2,3-c]pyridine, 2,3-dihydrothieno[
- thieno[2,3-c]pyridine, 2,3-dihydrothieno[2,3-b]pyridine, thieno[2,3-b]pyridine, 2,3-dihydrothieno[3,2-c]pyridine, thieno[3,2-c]pyridine, 2,3-dihydrothieno[3,2-b]pyridine, thieno[3,2-b]pyridine, 1H-pyrrolo[2,3-c]pyridine, 1H-pyrrolo[2,3-b]pyridine, 1H-pyrrolo[3,2-c]pyridine, 1H-pyrrolo[3,2-b]pyridine, 1H-imidazo[4,5-c]pyridine, 1H-imidazo[4,5-b]pyridine, 3H-imidazo[4,5-c]pyridine, 3H-imidazo[4,5-b]pyridine, 1H-pyrazolo[3,4-b]pyridine, 1H-pyrazolo[3,4-c]pyridine, 1H-py-
- razolo[4,3-b]pyridine, 1H-pyrazolo[4,3-c]pyridine, 1H-indazole, benzimidazole, 1,2-benzoxazole, 1,3-benzoxazole, 1,3-benzothiazole, 1,2-benzothiazole, naphthalene, quinolone, isoquinoline, quinazoline, 1,3-benzoxathiole, [1,3]oxathiolo[4,5-b]pyridine, [1,3]oxathiolo[4,5-c]pyridine, [1,3]oxathiolo[5,4-c]pyridine, [1,3]oxathiolo[5,4-b]pyridine, 2,3-dihydro-1,4-benzodioxine, 2,3-dihydro-[1,4]dioxino[2,3-b]pyridine, 2,3-dihydro-[1,4]dioxino[2,3-c]pyridine;
- 25 heterocyclyl: a 3- to 6-membered heterocyclyl: a saturated or partial unsaturated cycle having three to six ring members which comprises apart from carbon atoms one to four nitrogen atoms, or one or two oxygen atoms, or one or two sulfur atoms, or one to three nitrogen atoms and an oxygen atom, or one to three nitrogen atoms and a sulfur atom, or one sulfur and one oxygen atom, e.g. 3- or 4-membered heterocycles like 2-oxiranyl, 2-aziridinyl, 2-thiiranyl, 2-ox-
- etanyl, 3-oxetanyl, 2-thietanyl, 3-thietanyl, 1-azetidinyl, 2-azetidinyl, 1-azetinyl, or 2-azetinyl;
 5-membered saturated heterocycles like2-tetrahydrofuranyl, 3-tetrahydrofuranyl, 2-tetrahy drothienyl, 3-tetrahydrothienyl, 1-pyrrolidinyl,2-pyrrolidinyl, 3-pyrrolidinyl, 3-isoxazolidinyl, 4-isox azolidinyl, 5-isoxazolidinyl, 2-isothiazolidinyl, 3-isothiazolidinyl, 4-isothiazolidinyl, 5-isothiazolidinyl, 4-oxazolidinyl, 4-pyrazolidinyl, 5-pyrazolidinyl, 2-oxazolidinyl, 4-oxazoli-
- dinyl, 5-oxazolidinyl, 2-thiazolidinyl, 4-thiazolidinyl, 5-thiazolidinyl, 1-imidazolidinyl, 2-imidazolidinyl, 4-imidazolidinyl, 3-oxazolidinyl, 1,2,4-oxadiazolidin-3-yl, 1,2,4-oxadiazolidin-5-yl, 3-thiazolidinyl, 1,2,4-thiadiazolidin-3-yl, 1,2,4-thiadiazolidin-5-yl, 1,2,4-triazolidin-3-yl, 1,2,4-oxadiazolidin-2-yl, 1,2,4-oxadiazolidin-4-yl, 1,3,4-oxadiazolidin-2-yl, 1,2,4-thiadiazolidin-2-yl, 1,2,4-thiadiazolidin-4-yl, 1,3,4-thiadiazolidin-2-yl, 1,2,4-triazolidin-1-yl, or 1,3,4-triazolidin-2-yl;
- 5-membered partial unsaturated heterocycles like 2,3-dihydrofur-2-yl, 2,3-dihydrofur-3-yl, 2,4-dihydrofur-2-yl, 2,4-dihydrofur-3-yl, dioxolan-2-yl, 1,3-dioxol-2-yl, 2,3-dihydrothien-2-yl, 2,3-dihydrothien-3-yl, 2,4-dihydrothien-2-yl, 2,4-dihydrothien-3-yl, 4,5-dihydropyrrol-1-yl, 4,5-dihydropyrrol-2-yl, 4,5-dihydropyrrol-3-yl, 2,5-dihydropyrrol-1-yl, 2,5-dihydropyrrol-2-yl, 2,5-dihydro-

pyrrol-3-yl, 2,3-dihydroisoxazol-1-yl, 2,3-dihydroisoxazol-3-yl, 2,3-dihydroisoxazol-4-yl, 2,3-dihydroisoxazol-5-yl, 2,5-dihydroisoxazol-3-yl, 2,5-dihydroisoxazol-4-yl, 2,5-dihydroisoxazol-5-yl, 4,5-dihydroisoxazol-2-yl, 4,5-dihydroisoxazol-3-yl, 4,5-dihydroisoxazol-4-yl, 4,5-dihydroisoxazol-5-yl, 2,3-dihydroisoxazol-4-yl, 2,3-dihydroisothiazol-4-yl, 2,3-dihydroisothiazol-3-yl, 2,3-dihydroisothiazol-4-yl, 2,3-dihydroisothiazol-3-yl, 2,3-dihydroisothiazol-4-yl, 2,3-dihydroisothiazol-4-yl, 2,3-dihydroisothiazol-4-yl, 2,3-dihydroisothiazol-4-yl, 2,3-dihydroisothiazol-4-yl, 2,3-dihydroisothiazol-4-yl, 2,3-dihydroisothiazol-3-yl, 2,3-dihydroisothiazol-4-yl, 2,3-dihydrois

- droisothiazol-5-yl, 2,5-dihydroisothiazol-3-yl, 2,5-dihydroisothiazol-4-yl, 2,5-dihydroisothiazol-5yl, 4,5-dihydroisothiazol-1-yl, 4,5-dihydroisothiazol-3-yl, 4,5-dihydroisothiazol-4-yl, 4,5-dihydroisothiazol-5-yl, 2,3-dihydropyrazol-1-yl, 2,3-dihydropyrazol-2-yl, 2,3-dihydropyrazol-3-yl, 2,3-dihydropyrazol-3-yl, 3,4dihydropyrazol-4-yl, 2,3-dihydropyrazol-5-yl, 3,4-dihydropyrazol-1-yl, 3,4-dihydropyrazol-3-yl, 3,4dihydropyrazol-4-yl, 3,4-dihydropyrazol-5-yl, 4,5-dihydropyrazol-1-yl, 4,5-dihydropyrazol-3-yl,
- 4,5-dihydropyrazol-4-yl, 4,5-dihydropyrazol-5-yl, 2,3-dihydroimidazol-1-yl, 2,3-dihydroimidazol-2yl, 2,3-dihydroimidazol-3-yl, 2,3-dihydroimidazol-4-yl, 2,3-dihydroimidazol-5-yl, 4,5-dihydroimidazol-1-yl, 4,5-dihydroimidazol-2-yl, 4,5-dihydroimidazol-4-yl, 4,5-dihydroimidazol-5-yl, 2,5-dihydroimidazol-1-yl, 2,5-dihydroimidazol-2-yl, 2,5-dihydroimidazol-4-yl, 2,5-dihydroimidazol-5-yl, 2,3-dihydrooxazol-2-yl, 2,3-dihydrooxazol-3-yl, 2,3-dihydrooxazol-4-yl, 2,3-dihydrooxazol-5-yl,
- 3,4-dihydrooxazol-2-yl, 3,4-dihydrooxazol-3-yl, 3,4-dihydrooxazol-4-yl, 3,4-dihydrooxazol-5-yl,
 2,3-dihydrothiazol-2-yl, 2,3-dihydrothiazol-3-yl, 2,3-dihydrothiazol-4-yl, 2,3-dihydrothiazol-5-yl,
 3,4-dihydrothiazol-2-yl, 3,4-dihydrothiazol-3-yl, 3,4-dihydrothiazol-4-yl, 3,4-dihydrothiazol-5-yl,
 3,4-dihydrothiazol-2-yl, 3,4-dihydrothiazol-3-yl, or 3,4-dihydrothiazol-4-yl;
 6-membered saturated heterocycles like 1-piperidinyl, 2-piperidinyl, 3-piperidinyl, 4-piperidinyl,
- 1,3-dioxan-5-yl, 1,4-dioxanyl, 1,3-dithian-5-yl, 1,3-dithianyl, 1,3-oxathian-5-yl, 1,4-oxathianyl, 2-tetrahydropyranyl, 3-tetrahydopyranyl, 4-tetrahydropyranyl, 2-tetrahydrothiopyranyl, 3-tetrahydrothiopyranyl, 1-hexahydropyridazinyl, 3-hexahydropyridazinyl, 4-hexahydropyridazinyl, 1-hexahydropyrimidinyl, 2-hexahydropyrimidinyl, 4-hexahydropyrimidinyl, 5-hexahydropyrimidinyl, 1-piperazinyl, 2-piperazinyl, 1,3,5-hexahydrothiazin-1-yl, 1,3,5-hexahydropyrimidinyl,
- drotriazin-2-yl, 1,2,4-hexahydrotriazin-1-yl, 1,2,4-hexahydrotriazin-3-yl, tetrahydro-1,3-oxazin-1yl, tetrahydro-1,3-oxazin-2-yl, tetrahydro-1,3-oxazin-6-yl, 1-morpholinyl, or 2-morpholinyl, 3-morpholinyl;

6-membered partial unsaturated heterocycles like 2H-pyran-2-yl, 2H-pyran-3-yl, 2H-pyran-4-yl, 2H-pyran-5-yl, 2H-pyran-6-yl, 2H-thiopyran-2-yl, 2H-thiopyran-3-yl, 2H-thiopyran-4-yl, 2H-thiopyran-5-yl, 2H-thiopyran-6-yl, or 5,6-dihydro-4H-1,3-oxazin-2-yl.

- heteroaryl: a 5- or 6-membered heteroaryl: monocyclic aromatic heteroaryl having 5 to 6 ring members which, in addition to carbon atoms and independent of their position in the ring, contains 1 to 4 nitrogen atoms, or 1 to 3 nitrogen atoms and an oxygen or sulfur atom, or an oxygen or a sulfur atom, e.g. 5-membered aromatic rings like furyl (e.g. 2-furyl, 3-furyl), thienyl

- (e.g. 2-thienyl, 3-thienyl), pyrrolyl (e.g. pyrrol-2-yl, pyrrol-3-yl), pyrazolyl (e.g. pyrazol-3-yl, pyrazol-4-yl), isoxazolyl (e.g. isoxazol-3-yl, isoxazol-4-yl, isoxazol-5-yl), isothiazolyl (e.g. isothiazol-3-yl, isothiazol-4-yl, isothiazol-4-yl, isothiazol-5-yl), imidazolyl (e.g. imidazole-2-yl, imidazole-4-yl), oxazolyl (e.g. oxazol-2-yl, oxazol-4-yl, oxazol-5-yl), thiazolyl (e.g. thiazol-2-yl, thiazol-4-yl, thiazol-5-yl), oxadiazolyl (e.g. 1,2,3-oxadiazol-4-yl, 1,2,3-oxadiazol-5-yl, 1,2,4-oxadiazol-3-yl, 1,2,4-oxadiazol-5-yl)
- 40 1,3,4-oxadiazol-2-yl), thiadiazolyl (e.g. 1,2,3-thiadiazol-4-yl, 1,2,3-thiadiazol-5-yl, 1,2,4-thiadiazol-3-yl, 1,2,4-thiadiazol-5-yl, 1,3,4-thiadiazolyl-2-yl), triazolyl (e.g. 1,2,3-triazol-4-yl, 1,2,4-triazol-3-yl); 1-tetrazolyl; 6-membered aromatic rings like pyridyl (e.g. pyridine-2-yl, pyridine-3-yl,

pyridine-4-yl), pyrazinyl (e.g. pyridazin-3-yl, pyridazin-4-yl), pyrimidinyl (e.g. pyrimidin-2-yl, pyrimidin-4-yl, pyrimidin-5-yl), pyrazin-2-yl, triazinyl (e.g. 1,3,5-triazin-2-yl, or 1,2,4-triazin-3-yl, 1,2,4-triazin-5-yl, 1,2,4-triazin-6-yl);

The term "substituted" if not specified otherwise refers to substituted by 1, 2 or maximum possible number of substituents. If substituents as defined in compounds of formula I are more than one then they are independently from each other are same or different if not mentioned otherwise.

The substitution R^4 if present, can be present in any ring of Z.

The term "acidic functionality" if not specified otherwise refers to a functionality capable of donating a hydrogen (proton or hydrogen ion H⁺), such as a carboxylic group or sulphonic group, or, alternatively, capable of forming a covalent bond with an electron pair.

The terms "compounds of formula (I)", "Pyrimidine compounds of formula (I)", "Compounds I" and "compounds of invention" are synonyms.

The preferred embodiments of the invention mentioned herein below have to be understood as being preferred either independently from each other or in combination with one another.

In general, pyrimidine compounds of formula (I) are suitable as herbicides.

According to a preferred embodiment of the invention preference is given pyrimidine compounds of formula (I), and their use as herbicides, wherein the variables, either independently of one another or in combination with one another, have the following meanings:

20 Preferred R¹ is C₁-C₆-alkyl, C₁-C₆-alkoxy, C₁-C₆-haloalkoxy, C₃-C₆-alkenyloxy, C₃-C₆-haloalkenyloxy, C₃-C₆-alkynyloxy, C₃-C₆-haloalkynyloxy, C₁-C₆-alkylthio, or C₃-C₆-cycloalkyl, wherein the cycloalkyl substituent is unsubstituted or substituted by halogen;

Also preferred R¹ is C₁-C₆-alkyl, C₁-C₆-alkoxy, C₁-C₆-haloalkoxy, C₃-C₆-alkenyloxy, C₃-C₆-haloalkenyloxy, C₃-C₆-alkynyloxy, C₃-C₆-haloalkynyloxy, C₁-C₆-alkylthio, or C₃-C₆-cycloalkyl, we prove the two states are a state of the second state of the second states are a states are a state of the second states are a states are a states are a state of the second states are a state of the second states are a state are a state are a states are a sta

25 wherein the cycloalkyl substituent is unsubstituted; particularly preferred R¹ is C₁-C₆-alkyl, C₁-C₆-alkoxy, or C₃-C₆-cycloalkyl, wherein the cycloalkyl substituent is unsubstituted or substituted by fluorine; also particularly preferred R¹ is C₁-C₆-alkyl, C₁-C₆-alkoxy, or C₃-C₆-cycloalkyl, wherein the cy-

cloalkyl substituent is unsubstituted;

30 especially preferred R¹ is C₃-C₆-cycloalkyl, wherein the cycloalkyl substituent is unsubstituted; also especially preferred R¹ is C₂H₅, i-C₃H₇, i-C₄H₉, OCH₃, c-C₃H₅, or c-C₄H₉; more preferred R¹ is C₂H₅, OCH₃, or c-C₃H₅; most preferred R¹ is c-C₃H₅.

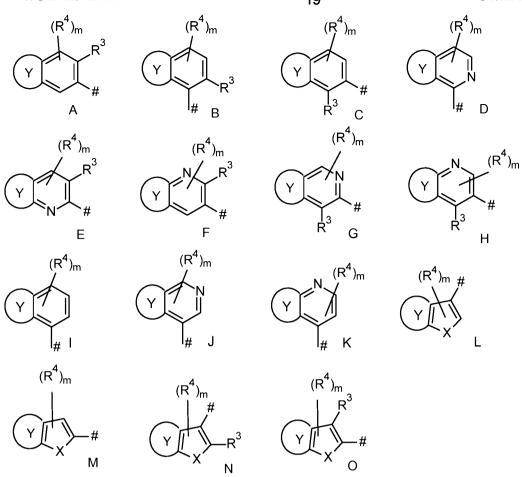
Preferred R² is OH, C₁-C₆-alkoxy, C₁-C₆-haloalkoxy, C₃-C₆-alkenyloxy, C₃-C₆-haloalkenyloxy,

- 35 C₃-C₆-alkynyloxy, C₄-C₆-haloalkynyloxy, C₁-C₆-alkoxy-C₁-C₆-alkoxy, (C₁-C₆-alkoxy)carbonyl-C₁-C₆-alkoxy, C₁-C₆-alkylthio, (C₁-C₆-alkoxy)carbonyl-C₁-C₆-alkylthio, NH₂, C₁-C₆-alkylcarbonylamino, C₁-C₆-haloalkylcarbonylamino, C₃-C₆-cycloalkylcarbonylamino, phenylcarbonylamino, heterocyclylcarbonylamino, heteroarylcarbonylamino, (C₁-C₆-alkyl)amino, (C₁-C₆-alkoxy)amino, (C₁-C₆-alkoxy)(C₁-C₆-alkyl)amino, hydroxy(C₁-C₆-alkyl)amino, hydroxyamino, (C₁-C₆-alkyl)sul-
- fonylamino, [di(C₁-C₆-alkyl)amino]sulfonylamino, phenyloxy, phenyl-C₁-C₆-alkoxy, or phenyl-C₁-C₆-alkylthio, wherein the phenyl substituent is unsubstituted or substituted by R^a;
 Also preferred R² is OH, C₁-C₆-alkoxy, C₁-C₆-haloalkoxy, C₃-C₆-alkenyloxy, C₃-C₆-haloal-kenyloxy, C₃-C₆-alkynyloxy, C₄-C₆-haloalkynyloxy, (C₁-C₆-alkoxy)carbonyl-C₁-C₆-alkoxy, C₁-C₆-alkoxy, C₁-C₆-alkoxy)carbonyl-C₁-C₆-alkoxy, C₁-C₆-alkoxy, C₁-C₆-alkoxy)

alkylthio, (C₁-C₆-alkoxy)carbonyl-C₁-C₆-alkylthio, NH₂, C₁-C₆-alkylcarbonylamino, C₁-C₆-haloalkylcarbonylamino, C₃-C₆-cycloalkylcarbonylamino, phenylcarbonylamino, heterocyclylcarbonylamino, heteroarylcarbonylamino, (C₁-C₆-alkyl)amino, (C₁-C₆-alkoxy)amino, (C₁-C₆-alkoxy)(C₁-C₆-alkyl)amino, hydroxy(C₁-C₆-alkyl)amino, hydroxyamino, (C₁-C₆-alkyl)sulfonylamino, [di(C₁-C₆-

- alkyl)amino]sulfonylamino, phenyloxy, phenyl-C₁-C₆-alkoxy, or phenyl-C₁-C₆-alkylthio, wherein the phenyl substituent is unsubstituted or substituted by R^a;
 particularly preferred R² is OH, C₁-C₆-alkoxy, C₁-C₆-haloalkoxy, C₃-C₆-alkynyloxy, C₁-C₆-al-kylthio, phenyloxy, C₁-C₆-alkylcarbonylamino, C₁-C₆-haloalkylcarbonylamino, phenylcarbonylamino, heteroarylcarbonylamino, (C₁-C₆-alkoxy)amino, (C₁-C₆-alkoxy)
- alkoxy)(C₁-C₆-alkyl)amino, hydroxy(C₁-C₆-alkyl)amino, hydroxyamino, or phenyl-C₁-C₆-alkoxy, wherein the phenyl substituent is unsubstituted or substituted by R^a;
 also particularly preferred R² is OH, C₁-C₆-alkoxy, C₃-C₆-alkynyloxy or, C₁-C₆-haloalkoxy;
 especially preferred C₁-C₆-alkoxy, C₃-C₆-alkynyloxy, or C₁-C₆-haloalkoxy;
 also especially preferred R² is OH, C₁-C₆-alkoxy, or C₁-C₆-haloalkoxy;
- 15 more preferred R² is OH, C₃-C₆-alkynyloxy, or C₁-C₆-alkoxy, also more preferred R² is OH or C₁-C₆-alkoxy most preferred R² is OH, also most preferred R² is C₃-C₆-alkynyloxy,
 - also most preferred R² is C₁-C₆-alkoxy.
- 20 Preferred A is CR³, C*, NR^{3A}, N, S or O; particularly preferred A is CR³, C*, NR^{3A}, or N; also particularly preferred A is S or O; especially preferred A is C*, CR³ or N; most preferred A is CR³;
- also most preferred A is C*;
 also most preferred A is N.
 Preferred Z is 9 or 10membered bicyclic ring;
 particularly preferred Z is 9 membered bicyclic ring;
 particularly preferred Z is 10 membered bicyclic ring;
- 30 more preferred Z is selected from below radicals A to O,

19



5 wherein

Y 5- or 6-membered partially or fully unsaturated carbocycle comprising 0, 1, 2, or 3 heteroatoms selected from O, N, and S;

- R^3 is halogen, CN, C₁-C₆-alkyl, C₁-C₆-haloalkyl, or C₁-C₆-alkoxy;
- m is 0, 1 or 2;

10 R^4 is halogen, CN, C₁-C₆-alkyl, C₁-C₆-haloalkyl, or C₁-C₆-alkoxy;

X is O, S, or NR^{3A};

 R^{3A} is H, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-alkylcarbonyl, C₃-C₆-alkenyl, C₃-C₆-haloalkenyl, C₃-C₆-haloalkenyl, or C₃-C₆-cycloalkyl; and

denotes the point of attachment to the pyrimidine ring;

provided that if ring I is naphthalene, m is 1, 2, or 3.

Preferred Y is phenyl;

Also preferred Y is 5- or 6-membered partially or fully unsaturated carbocycle comprising 1, 2, or 3 heteroatoms selected from O, N, and S;

particularly preferred Y is phenyl;

also particularly preferred Y is 5-membered partially or fully unsaturated carbocycle comprising
1, or 2 heteroatoms selected from O, N, and S;

more preferred Y is 5-membered partially unsaturated carbocycle comprising 0, 1, or 2 heteroatoms selected from O, N, and S, e.g. 1,3-dithiolane, 1,3-oxathiolane, 1,3-dioxolane, 2,3dihydrofuran, 2,3-dihydrothiophene, or 2,3-dihydro-1H-pyrrole ; more preferably heteroatoms

25 are selected from O and S, e.g. 1,3-oxathiolane, 1,3-dioxolane, 2,3-dihydrofuran, or 2,3-dihydrothiophene; most preferred heteroatom in Y is O, e.g. 1,3-dioxolane, or 2,3-dihydrofuran; also most preferred heteroatom in Y is S, e.g. 2,3-dihydrothiophene;

also more preferred Y is 5-membered fully unsaturated carbocycle comprising 0, 1, or 2 heteroatoms selected from O, N, and S (furan, thiophene, 1H-pyrrole, 1,2-oxazole, 1,3-oxazole, 1,2-thiazole, 1,3-thiazole, imidazole, 1H-pyrazole); more preferably heteroatoms are selected from O and S; most preferred heteroatom is O (furan); also most preferred heteroatom is S (thi-

5 ophene);

also particularly preferred Y is 6-membered partially or fully unsaturated carbocycle comprising 0, 1, or 2 heteroatoms selected from O, N, and S;

more preferred Y is 6-membered partially unsaturated carbocycle comprising 0, 1, or 2 heteroatoms selected from O, N, and S; more preferably heteroatoms are selected from O and S;

10 also more preferably heteroatoms are selected from O and N; most preferred heteroatom is O; also more preferred Y is 6-membered fully unsaturated carbocycle comprising 0, 1, or 2 heteroatoms N;

Preferred R^3 is halogen, CN, NO₂, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-alkoxy, or C₃-C₆-cycloal-kyl;

also preferred R³ is halogen, CN, C₁-C₆-alkyl, C₁-C₆-haloalkyl, or C₁-C₆-alkoxy, particularly preferred R³ is halogen, CN, C₁-C₆-alkyl, or C₁-C₆-alkoxy; especially preferred halogen, or CH₃; also especially preferred R³ is halogen; more preferred R³ is Cl, Br, or I;

- 20 most preferred R³ is Cl or Br. Preferred R^{3A} is H, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-alkylcarbonyl, C₃-C₆-alkenyl, C₃-C₆haloalkenyl, C₃-C₆-alkenyl, C₃-C₆-haloalkenyl, or C₃-C₆-cycloalkyl; also preferred R^{3A} is H, C₁-C₆-alkyl, C₁-C₆-haloalkyl, or C₁-C₆-alkylcarbonyl; particularly preferred R^{3A} is H, C₁-C₆-alkyl, or C₁-C₆-alkylcarbonyl;
- especially preferred R^{3A} is H, or C₁-C₆-alkyl; most preferred R^{3A} is H, or CH₃.
 Preferred R⁴ is halogen, CN, C₁-C₆-alkyl, C₁-C₆-haloalkyl, or C₁-C₆-alkoxy; particularly preferred R⁴ is halogen, C₁-C₆-haloalkyl, or C₁-C₆-alkyl; especially preferred R⁴ is halogen;
- also especially preferred R⁴ is C₁-C₆-haloalkyl, or C₁-C₆-alkyl; more preferred R⁴ is F, Cl, CHF₂, CF₃, CH₃, or C₂H₅; most preferred R⁴ is F; also most preferred R⁴ is CH₃; also most preferred R⁴ is Cl.
- also most preferred R⁴ is CF₃.
 Preferred m is 0, 1, or 2;
 more preferred m is 0 or 1;
 most preferred m is 0;
 also most preferred m is 1.
- 40 Also preferred is the pyrimidine compounds of formula (I), and their use as herbicide, wherein R¹ is preferably C₁-C₆-alkyl, C₁-C₆-alkoxy, or C₃-C₆-cycloalkyl, wherein the cycloalkyl substituent is unsubstituted or substituted by fluorine;

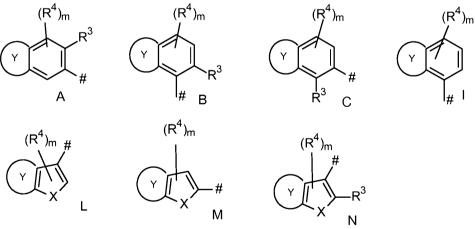
more preferred R¹ is C_1 - C_6 -alkyl, C_1 - C_6 -alkoxy, or C_3 - C_6 -cycloalkyl, wherein the cycloalkyl substituted;

particularly preferred R¹ is C₃-C₆-cycloalkyl, wherein the cycloalkyl substituent is unsubstituted; R² is preferably OH, C₁-C₆-alkoxy, C₃-C₆-alkynyloxy, or C₁-C₆-haloalkoxy; particularly preferred R² is C₁-C₆-alkoxy, C₃-C₆-alkynyloxy, or C₁-C₆-haloalkoxy also particularly preferred R² is OH or C₁-C₆-alkoxy,

- 5 more preferred R² is OH;
 also more preferred R² is C₁-C₆-alkoxy;
 A is preferably CR³, C*, N, O, S or NR^{3A};
 particularly preferred A is CR³, C*, or N;
 also particularly preferred A is CR³, C*, O or S;
- Preferred Z is 9 or 10 membered bicyclic ring;
 particularly preferred Z is 9 membered bicyclic ring;
 particularly preferred Z is 10 membered bicyclic ring;
 more preferred Z is selected from radicals A to O, as defined herein;
 R³ is preferably halogen, CN, C₁-C₆-alkyl, C₁-C₆-haloalkyl, or C₁-C₆-alkoxy;
- also R³ is preferably halogen, C₁-C₆-alkyl, or C₁-C₆-alkoxy;
 particularly preferred R³ is halogen or CH₃;
 R^{3A} is preferably H or C₁-C₆-alkyl;
 particularly preferred R^{3A} is H or CH₃;
 m is preferably 0 or 1;
- 20 R^4 is preferably halogen, CN, C₁-C₆-alkyl, C₁-C₆-haloalkyl, or C₁-C₆-alkoxy; also R⁴ is preferably halogen, C₁-C₆-alkyl, or C₁-C₆-alkoxy; R⁴ is preferably halogen.

Also preferred is the pyrimidine compounds of formula (I) wherein

- R^1 is C₁-C₆-alkyl, or C₃-C₆-cycloalkyl, wherein the cycloalkyl substituent is unsubstituted;
- 25 R^2 is OH, or C₁-C₆-alkoxy;
 - Z is selected from rings A, B, C, I, L, M, amd N



wherein

30

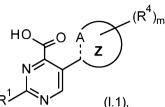
Y is a 5- or 6-membered partially or fully unsaturated carbocycle comprising 0, 1, 2, or 3 heteroatoms selected from O, N, and S;

- R^3 is halogen, C₁-C₆-alkyl, or C₁-C₆-alkoxy;
- m is 0, 1 or 2;
- $\mathsf{R}^4 \quad \text{ is halogen, } \mathsf{C}_1\text{-}\mathsf{C}_6\text{-}\mathsf{alkyl, or } \mathsf{C}_1\text{-}\mathsf{C}_6\text{-}\mathsf{alkoxy;}$
- X is O, S, or NR^{3A};
- 35 R^{3A} is H, C₁-C₆-alkyl, or C₃-C₆-cycloalkyl;

denotes the point of attachment to the pyrimidine ring;

provided that if ring I is naphthalene, m is 1, 2, or 3.

Also preferred is the pyrimidine compounds of formula (I.1) (corresponds to pyrimidine compounds of formula (I) wherein R^2 is OH), and their use as herbicide,



5

wherein the dotted line (-----) is single bond or double bond;

 R^1 is C₃-C₆-cycloalkyl, C₁-C₆-alkyl, or C₁-C₆-alkoxy;

A is CR^3 , C^* , NR^{3A} , N, O or S;

 R^3 is halogen, C_1 - C_6 -alkyl, C_1 - C_6 -haloalkyl, or C_1 - C_6 -alkoxy;

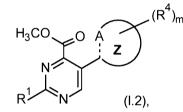
10 R^{3A} is H or C₁-C₆-alkyl;

Z is radical selected from A to O;

m is 0 or 1;

 R^4 is F, CHF₂, CF₃, CH₃, or C₂H₅.

Also preferred is the pyrimidine compounds of formula (I.2) (corresponds to pyrimidine compounds of formula (I) wherein R^2 is OCH₃), and their use as herbicide,



wherein the dotted line (-----) is single bond or double bond;

 R^1 is C_3 - C_6 -cycloalkyl, C_1 - C_6 -alkyl, or C_1 - C_6 -alkoxy;

A is CR³, C^{*}, NR^{3A}, N, O or S;

20 R^3 is halogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl, or C₁-C₆-alkoxy;

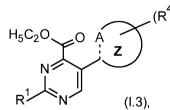
Z is radical selected from A to O;

m is 0 or 1;

25

 R^4 is F, CHF₂, CH₃, CF₃, or C₂H₅.

Also preferred is the pyrimidine compounds of formula (I.3) (corresponds to pyrimidine compounds of formula (I) wherein R^2 is OC_2H_5), and their use as herbicide,

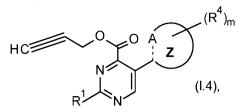


wherein the dotted line (-----) is single bond or double bond; R^1 is C_3 - C_6 -cycloalkyl, C_1 - C_6 -alkyl, or C_1 - C_6 -alkoxy; A is CR³, C^{*}, NR^{3A}, N, O or S;

```
    R<sup>3</sup> is halogen, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-haloalkyl, or C<sub>1</sub>-C<sub>6</sub>-alkoxy;
    Z is radical selected from A to O;
    m is 0 or 1;
```

 R^4 is F, CHF₂, CH₃, CF₃, or C₂H₅.

Also preferred is the pyrimidine compounds of formula (I.4) (corresponds to pyrimidine compounds of formula (I) wherein R^2 is OCH₂C=CH), and their use as herbicide,

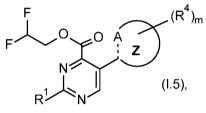


wherein the dotted line (-----) is single bond or double bond;
R¹ is C₃-C₆-cycloalkyl, C₁-C₆-alkyl, or C₁-C₆-alkoxy;
A is CR³, C*, NR^{3A}, N, O or S;
R³ is halogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl, or C₁-C₆-alkoxy;
Z is radical selected from A to O;

10 m is 0 or 1;

 R^4 is F, CHF₂, CH₃, CF₃, or C₂H₅.

Also preferred is the pyrimidine compounds of formula (I.4) (corresponds to pyrimidine compounds of formula (I) wherein R^2 is OCH₂CHF₂), and their use as herbicide,



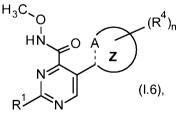
15 wherein the dotted line (-----) is single bond or double bond;
R¹ is C₃-C₆-cycloalkyl, C₁-C₆-alkyl, or C₁-C₆-alkoxy;
A is CR³, C*, NR^{3A}, N, O or S;
R³ is halogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl, or C₁-C₆-alkoxy;

Z is radical selected from A to O;

20 m is 0 or 1;

 $\mathsf{R}^4 \text{ is }\mathsf{F}, \mathsf{CHF}_2, \mathsf{CH}_3, \mathsf{CF}_3, \text{ or }\mathsf{C}_2\mathsf{H}_5.$

Also preferred is the pyrimidine compounds of formula (I.4) (corresponds to pyrimidine compounds of formula (I) wherein R^2 is NHOCH₃), and their use as herbicide,



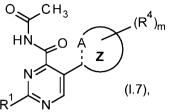
wherein the dotted line (-----) is single bond or double bond;
R¹ is C₃-C₆-cycloalkyl, C₁-C₆-alkyl, or C₁-C₆-alkoxy;
A is CR³, C*, NR^{3A}, N, O or S;
R³ is halogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl, or C₁-C₆-alkoxy;
Z is radical selected from A to O;

30 m is 0 or 1;

 R^4 is F, CHF₂, CH₃, CF₃, or C₂H₅.

15

Also preferred is the pyrimidine compounds of formula (I.4) (corresponds to pyrimidine compounds of formula (I) wherein R^2 is NHCOCH₃), and their use as herbicide,



wherein the dotted line (-----) is single bond or double bond;

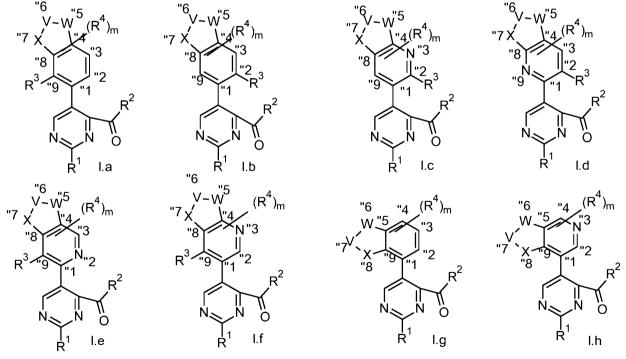
R¹ is C₃-C₆-cycloalkyl, C₁-C₆-alkyl, or C₁-C₆-alkoxy; A is CR³, C^{*}, NR^{3A}, N, O or S; R³ is halogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl, or C₁-C₆-alkoxy; Z is radical selected from A to O; m is 0 or 1;

 $10 \qquad \mathsf{R}^4 \text{ is }\mathsf{F}, \mathsf{CHF}_2, \mathsf{CH}_3, \mathsf{CF}_3, \text{ or }\mathsf{C}_2\mathsf{H}_5.$

Particular preference is given to the pyrimidine compounds of formula I which corresponds to compounds of formulae I.a to I.I, and their use as herbicide, wherein X, V and W independently are CH₂, CF₂, O, NR^{3A}, N, or S.

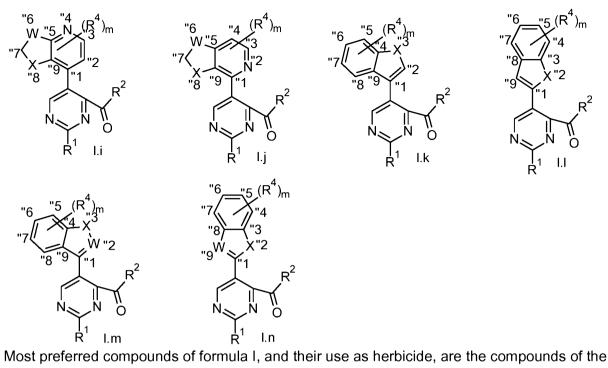
Also particular preference is given to the pyrimidine compounds of formula I which corresponds to compounds of formulae I.m and I.n, and their use as herbicide, wherein X, and V inde-

pendently are CH₂, CF₂, O, NR^{3A}, N or S, and W independently is CH or N.



25

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formulae I.a to I.I wherein

5 R¹ is C₂H₅, c-C₃H₅, c-C₄H₇, or OCH₃; R² is OH, OCH₃, OC₂H₅, OCH₂C≡CH, OCH₂CHF₂, NHOCH₃, or NHC(O)CH₃; R³ is CH₃, OCH₃, Cl, Br, CHF₂, CF₃, F, or I; X is CH₂, O, S, N or NCH₃; V is CH₂ or CF₂;
10 W is CH₂, O, N, or S; m is 0 or 1; R⁴ is F, Cl or CF₃. Also most preferred compounds of formula I, and their use as herbicide, are the compounds of

the formulae I.m and I.n wherein 15 R^1 is C_2H_5 , $c-C_3H_5$, $c-C_4H_7$, or OCH₃; R^2 is OH, OCH₃, OC₂H₅, OCH₂C=CH, OCH₂CHF₂, NHOCH₃, or NHC(O)CH₃; R^3 is CH₃, OCH₃, CI, Br, CHF₂, CF₃, F, or I; X is CH₂, O, S, or NCH₃; V is CH₂ or CF₂; 20 W is CH or N; m is 0 or 1;

 R^4 is F, CI or CF₃.

Each of the groups mentioned for a substituent in the tables is furthermore per se, independently of the combination in which it is mentioned, a particularly preferred aspect of the sub-

stituent in question.

25

Particularly preferred compounds of formula I, and their use as herbicide, compounds of the invention are the compounds of the formulae that are compiled in the following Tables 1 to 56. Table 1. Compounds of formula I.a, wherein m is 0, V is CH₂, X and W are O (= com-

30 pound of formula 1.1), and the meaning for the combination of R¹, R², and R³ for each individual compound corresponds in each case to one line of Table A.

30

Table 2. Compounds of formula I.a, wherein m is 1, R^4 is 2"- CI, V is CH₂, X and W are O (= compound of formula 1.2), and the meaning for the combination of R^1 , R^2 , and R^3 for each individual compound corresponds in each case to one line of Table A.

Table 3. Compounds of formula l.b, wherein m is 0, V is CH₂, X and W are O (= compound of formula 1.3), and the meaning for the combination of R¹, R², and R³ for each individual compound corresponds in each case to one line of Table A.

Table 4. Compounds of formula I.b, wherein m is 1, R^4 is 9"- CI, V is CH₂, X and W are O (= compound of formula 1.4), and the meaning for the combination of R^1 , R^2 , and R^3 for each individual compound corresponds in each case to one line of Table A.

10 Table 5. Compounds of formula I.c, wherein m is 0, V is CH₂, X and W are O (= compound of formula 1.5), and the meaning for the combination of R¹, R², and R³ for each individual compound corresponds in each case to one line of Table A.

Table 6. Compounds of formula I.c, wherein m is 1, R^4 is 9"- Cl, V is CH₂, X and W are O (= compound of formula 1.6), and the meaning for the combination of R^1 , R^2 , and R^3 for each individual compound corresponds in each case to one line of Table A.

Table 7. Compounds of formula I.d, wherein m is 0, V is CH_2 , X and W are O (= compound of formula 1.7), and the meaning for the combination of R^1 , R^2 , and R^3 for each individual compound corresponds in each case to one line of Table A.

Table 8. Compounds of formula I.d, wherein m is 1, R⁴ is 3"- Cl, V is CH₂, X and W are O
(= compound of formula 1.8), and the meaning for the combination of R¹, R², and R³ for each individual compound corresponds in each case to one line of Table A.

Table 9. Compounds of formula I.e, wherein m is 0, V is CH_2 , X and W are O (= compound of formula 1.9), and the meaning for the combination of R^1 , R^2 , and R^3 for each individual compound corresponds in each case to one line of Table A.

25 Table 10. Compounds of formula I.e, wherein m is 1, R⁴ is 3"- Cl, V is CH₂, X and W are O (= compound of formula 1.10), and the meaning for the combination of R¹, R², and R³ for each individual compound corresponds in each case to one line of Table A.

Table 11. Compounds of formula I.f, wherein m is 0, V is CH_2 , X and W are O (= compound of formula 1.11), and the meaning for the combination of R^1 , R^2 , and R^3 for each individual compound corresponds in each case to one line of Table A.

Table 12. Compounds of formula I.f, wherein m is 1, R^4 is 2"- Cl, V is CH₂, X and W are O (= compound of formula 1.12), and the meaning for the combination of R^1 , R^2 , and R^3 for each individual compound corresponds in each case to one line of Table A.

Line	R ¹	R ²	R ³
I-1	$c-C_3H_5$	он	CH ₃
I-2	c-C₃H₅	он	OCH₃
I-3	c-C₃H₅	он	CI
1-4	$c-C_3H_5$	он	Br
I-5	c-C₃H₅	он	CHF ₂
I-6	c-C₃H₅	он	F
I-7	c-C₃H₅	он	1
I-8	c-C₃H₅	OCH₃	CH ₃

Line	R ¹	R ²	R ³
I-9	c-C ₃ H ₅	OCH ₃	OCH ₃
I-10	$c-C_3H_5$	OCH ₃	CI
I-11	c-C₃H₅	OCH ₃	Br
I-12	c-C ₃ H ₅	OCH ₃	CHF ₂
I-13	c-C₃H₅	OCH ₃	F
I-14	c-C₃H₅	OCH ₃	I
I-15	c-C ₃ H ₅	OC_2H_5	CH ₃
I-16	c-C ₃ H ₅	OC ₂ H ₅	OCH ₃

Line	R ¹	R ²	R ³
I-17	c-C₃H₅	OC ₂ H ₅	CI
I-18	c-C₃H₅	OC ₂ H ₅	Br
I-19	c-C₃H₅	OC ₂ H ₅	CHF ₂
I-20	c-C₃H₅	OC ₂ H ₅	F
I-21	c-C ₃ H ₅	OC ₂ H ₅	I
I-22	c-C₃H₅	OCH₂C≡CH	CH ₃
I-23	c-C₃H₅	OCH₂C≡CH	OCH ₃
I-24	c-C ₃ H ₅	OCH₂C≡CH	CI
I-25	c-C₃H₅	OCH₂C≡CH	Br
I-26	c-C₃H₅	OCH₂C≡CH	CHF ₂
I-27	c-C₃H₅	OCH₂C≡CH	F
I-28	c-C ₃ H ₅	OCH₂C≡CH	1
I-29	c-C ₃ H ₅	OCH ₂ CHF ₂	CH ₃
I-30	c-C₃H₅	OCH ₂ CHF ₂	OCH ₃
I-31	c-C ₃ H ₅	OCH ₂ CHF ₂	СІ
I-32	c-C ₃ H ₅	OCH ₂ CHF ₂	Br
I-33	c-C ₃ H ₅	OCH ₂ CHF ₂	CHF ₂
I-34	c-C ₃ H ₅	OCH_2CHF_2	F
I-35	c-C ₃ H ₅	OCH ₂ CHF ₂	I
I-36	c-C ₃ H ₅	NHOCH ₃	CH ₃
I-37	c-C ₃ H ₅	NHOCH ₃	OCH ₃
I-38	c-C ₃ H ₅	NHOCH ₃	CI
I-39	c-C ₃ H ₅	NHOCH ₃	Br
I-40	c-C ₃ H ₅	NHOCH ₃	CHF ₂
I-41	c-C ₃ H ₅	NHOCH ₃	F
I-42	c-C₃H₅	NHOCH ₃	I
I-43	c-C ₃ H ₅	NHCOCH ₃	CH ₃
I-44	c-C ₃ H ₅	NHCOCH ₃	OCH ₃
I-45	c-C ₃ H ₅	NHCOCH ₃	CI
I-46	c-C₃H₅	NHCOCH ₃	Br
I-47	c-C₃H₅	NHCOCH ₃	CHF ₂
I-48	c-C ₃ H ₅	NHCOCH ₃	F
I-49	c-C ₃ H ₅	NHCOCH ₃	I
I-50	c-C₄H ₇	он	CH ₃
I-51	c-C₄H ₇	он	OCH ₃

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LineR¹R²R³I-52c-C ₄ H7OHCII-53c-C ₄ H7OHCHF2I-54c-C ₄ H7OHCHF2I-55c-C ₄ H7OHFI-56c-C ₄ H7OCH3CH3I-57c-C ₄ H7OCH3CH3I-58c-C ₄ H7OCH3OCH3I-59c-C ₄ H7OCH3GII-60c-C ₄ H7OCH3GH2I-61c-C ₄ H7OCH3FI-62c-C ₄ H7OCH3II-63c-C ₄ H7OCH3II-64c-C ₄ H7OCH3GH3I-65c-C ₄ H7OC2H5CH3I-66c-C ₄ H7OC2H5CH3I-67c-C ₄ H7OC2H5FI-68c-C ₄ H7OC2H5FI-69c-C ₄ H7OCH2CECHOCH3I-70c-C ₄ H7OCH2CECHCH3I-71c-C ₄ H7OCH2CECHCH3I-73c-C ₄ H7OCH2CECHCH3I-74c-C ₄ H7OCH2CECHCH52I-75c-C ₄ H7OCH2CECHCH52I-76c-C ₄ H7OCH2CECHCH3I-77c-C ₄ H7OCH2CECHCH52I-78c-C ₄ H7OCH2CECHCH52I-79c-C ₄ H7OCH2CECHCH3I-79c-C ₄ H7OCH2CHF2CH3I-79c-C ₄ H7OCH2CHF2CH3I-79c-C ₄ H7OCH2CHF2CH3I-79	FC1/EF201//00/285					
I-53 C-C_4H7 OH Br I-54 C-C_4H7 OH CHF2 I-55 C-C_4H7 OH F I-56 C-C_4H7 OH I I-57 C-C_4H7 OCH3 CH3 I-58 C-C_4H7 OCH3 OCH3 I-58 C-C_4H7 OCH3 CI I-60 C-C_4H7 OCH3 Br I-61 C-C_4H7 OCH3 CHF2 I-62 C-C_4H7 OCH3 F I-63 C-C_4H7 OCH3 CH3 I-64 C-C_4H7 OCH3 I I-65 C-C_4H7 OCH3 I I-64 C-C_4H7 OC2H5 CH3 I-66 C-C_4H7 OC2H5 I I-67 C-C_4H7 OC2H5 I I-67 C-C_4H7 OC2H5 I I-71 C-C_4H7 OC2H5 I I-71 C-C_4H7 OCH2CECH CH3	Line	R ¹	R ²	R ³		
I-54 C-C_4H7 OH CHF2 I-55 C-C_4H7 OH F I-56 C-C_4H7 OH I I-57 C-C_4H7 OCH3 CH3 I-58 C-C_4H7 OCH3 OCH3 I-58 C-C_4H7 OCH3 OCH3 I-59 C-C_4H7 OCH3 Br I-60 C-C_4H7 OCH3 CHF2 I-61 C-C_4H7 OCH3 Br I-61 C-C_4H7 OCH3 CHF2 I-62 C-C_4H7 OCH3 F I-63 C-C_4H7 OCH3 I I-64 C-C_4H7 OC2H5 CH3 I-65 C-C_4H7 OC2H5 Br I-66 C-C_4H7 OC2H5 I I-67 C-C_4H7 OC2H5 I I-68 C-C_4H7 OC12C=CH CH3 I-70 C-C_4H7 OC42C=CH CH3 I-71 C-C_4H7 OCH2C=CH	1-52	c-C₄H ₇	он	CI		
I-55 C-C_4H7 OH F I-56 C-C_4H7 OH I I-57 C-C_4H7 OCH3 CH3 I-58 C-C_4H7 OCH3 OCH3 I-59 C-C_4H7 OCH3 Br I-60 C-C_4H7 OCH3 Br I-61 C-C_4H7 OCH3 CHF2 I-62 C-C_4H7 OCH3 I I-63 C-C_4H7 OCH3 I I-64 C-C_4H7 OCH3 I I-65 C-C_4H7 OC2H5 CH3 I-66 C-C_4H7 OC2H5 DCH3 I-66 C-C_4H7 OC2H5 Br I-67 C-C_4H7 OC2H5 I I-67 C-C_4H7 OC2H5 I I-70 C-C_4H7 OC2H5 I I-71 C-C_4H7 OC2H5 I I-72 C-C_4H7 OCH2C=CH OH3 I-73 C-C_4H7 OCH2C=CH <t< td=""><td>I-53</td><td>c-C₄H₇</td><td>он</td><td>Br</td></t<>	I-53	c-C₄H ₇	он	Br		
I-56 C-C ₄ H ₇ OH I I-57 C-C ₄ H ₇ OCH ₃ CH ₃ I-58 C-C ₄ H ₇ OCH ₃ OCH ₃ I-59 C-C ₄ H ₇ OCH ₃ CI I-60 C-C ₄ H ₇ OCH ₃ Br I-61 C-C ₄ H ₇ OCH ₃ CHF ₂ I-62 C-C ₄ H ₇ OCH ₃ F I-63 C-C ₄ H ₇ OCH ₃ F I-64 C-C ₄ H ₇ OCH ₃ F I-63 C-C ₄ H ₇ OCH ₃ I I-64 C-C ₄ H ₇ OC ₂ H ₅ CH ₃ I-65 C-C ₄ H ₇ OC ₂ H ₅ CH ₂ I-66 C-C ₄ H ₇ OC ₂ H ₅ F I-67 C-C ₄ H ₇ OC ₂ H ₅ F I-68 C-C ₄ H ₇ OC ₂ H ₅ I I-70 C-C ₄ H ₇ OC ₂ H ₅ I I-71 C-C ₄ H ₇ OCH ₂ C=CH CH ₃ I-73 C-C ₄ H ₇ OCH ₂ C = CH	I-54	c-C₄H ₇	он	CHF ₂		
I-57 C-C ₄ H ₇ OCH ₃ CH ₃ I-58 C-C ₄ H ₇ OCH ₃ OCH ₃ I-59 C-C ₄ H ₇ OCH ₃ CI I-60 c-C ₄ H ₇ OCH ₃ Br I-61 C-C ₄ H ₇ OCH ₃ F I-62 C-C ₄ H ₇ OCH ₃ F I-63 C-C ₄ H ₇ OCH ₃ F I-64 C-C ₄ H ₇ OC ₂ H ₅ CH ₃ I-64 C-C ₄ H ₇ OC ₂ H ₅ CH ₃ I-65 C-C ₄ H ₇ OC ₂ H ₅ CH ₃ I-66 C-C ₄ H ₇ OC ₂ H ₅ CI I-67 C-C ₄ H ₇ OC ₂ H ₅ CH ₂ I-68 C-C ₄ H ₇ OC ₂ H ₅ F I-70 C-C ₄ H ₇ OC ₂ H ₅ I I-71 C-C ₄ H ₇ OC ₂ H ₅ I I-73 C-C ₄ H ₇ OCH ₂ C=CH CH ₂ I-74 C-C ₄ H ₇ OCH ₂ C=CH CH I-75 C-C ₄ H ₇ OCH	I-55	c-C₄H ₇	он	F		
I-58 C-C_4H7 OCH3 OCH3 I-59 C-C_4H7 OCH3 CI I-60 C-C_4H7 OCH3 Br I-61 C-C_4H7 OCH3 CHF2 I-62 C-C_4H7 OCH3 F I-63 C-C_4H7 OCH3 I I-63 C-C_4H7 OCH3 I I-64 C-C_4H7 OCH3 I I-65 C-C_4H7 OC2H5 CH3 I-66 C-C_4H7 OC2H5 CI I-66 C-C_4H7 OC2H5 CI I-67 C-C_4H7 OC2H5 S I-68 C-C_4H7 OC2H5 I I-69 C-C_4H7 OC2H5 I I-70 C-C_4H7 OCH2C=CH CH3 I-71 C-C_4H7 OCH2C=CH CH3 I-73 C-C_4H7 OCH2C=CH Br I-74 C-C_4H7 OCH2C=CH F I-75 C-C_4H7 OCH2C=CH </td <td>I-56</td> <td>c-C₄H₇</td> <td>он</td> <td>Ι</td>	I-56	c-C ₄ H ₇	он	Ι		
I-59 C-C_4H7 OCH3 CI I-60 c-C_4H7 OCH3 Br I-61 c-C_4H7 OCH3 CHF2 I-62 c-C_4H7 OCH3 F I-62 c-C_4H7 OCH3 F I-63 c-C_4H7 OCH3 I I-64 c-C_4H7 OC2H5 CH3 I-65 c-C_4H7 OC2H5 OCH3 I-66 c-C_4H7 OC2H5 Br I-67 c-C_4H7 OC2H5 Br I-68 c-C_4H7 OC2H5 Br I-69 c-C_4H7 OC2H5 F I-69 c-C_4H7 OC2H5 I I-70 c-C_4H7 OC2H5 F I-71 c-C_4H7 OC12C=CH CH33 I-71 c-C_4H7 OCH2C=CH CH33 I-73 c-C_4H7 OCH2C=CH CH52 I-73 c-C_4H7 OCH2C=CH F I-74 c-C_4H7 OCH	1-57	c-C₄H ₇	OCH₃	CH ₃		
I-60 C-C_4H7 OCH3 Br I-61 C-C_4H7 OCH3 CHF2 I-62 C-C_4H7 OCH3 F I-62 C-C_4H7 OCH3 I I-63 C-C_4H7 OCH3 I I-64 C-C_4H7 OC2H5 CH3 I-64 C-C_4H7 OC2H5 CI I-65 C-C_4H7 OC2H5 CI I-66 C-C_4H7 OC2H5 CI I-66 C-C_4H7 OC2H5 Br I-67 C-C_4H7 OC2H5 F I-68 C-C_4H7 OC2H5 I I-70 C-C_4H7 OC2H5 I I-71 C-C_4H7 OCH2CECH CH3 I-72 C-C_4H7 OCH2CECH CI I-73 C-C_4H7 OCH2CECH Br I-74 C-C_4H7 OCH2CECH CH52 I-75 C-C_4H7 OCH2CECH F I-76 C-C_4H7 OCH2	I-58	c-C₄H ₇	OCH ₃	OCH ₃		
I-61 C-C_4H7 OCH3 CHF2 I-62 C-C_4H7 OCH3 F I-63 C-C_4H7 OCH3 I I-63 C-C_4H7 OC2H5 CH3 I-64 C-C_4H7 OC2H5 OCH3 I-65 C-C_4H7 OC2H5 OCH3 I-66 C-C_4H7 OC2H5 CI I-67 C-C_4H7 OC2H5 Br I-68 C-C_4H7 OC2H5 CHF2 I-69 C-C_4H7 OC2H5 I I-70 C-C_4H7 OC2H5 I I-71 C-C_4H7 OC12H5 I I-71 C-C_4H7 OC42C=CH OCH3 I-72 C-C_4H7 OCH2C=CH DCH3 I-73 C-C_4H7 OCH2C=CH Br I-74 C-C_4H7 OCH2C=CH Br I-75 C-C_4H7 OCH2C=CH Br I-76 C-C_4H7 OCH2C=CH I I-77 C-C_4H7	I-59	c-C ₄ H ₇	OCH ₃	CI		
$I-62$ $C-C_4H_7$ OCH_3 F $I-63$ $C-C_4H_7$ OCH_3 I $I-64$ $C-C_4H_7$ OC_2H_5 CH_3 $I-65$ $C-C_4H_7$ OC_2H_5 OCH_3 $I-66$ $c-C_4H_7$ OC_2H_5 CI $I-67$ $C-C_4H_7$ OC_2H_5 Br $I-68$ $C-C_4H_7$ OC_2H_5 F $I-69$ $c-C_4H_7$ OC_2H_5 I $I-70$ $c-C_4H_7$ OC_2H_5 I $I-70$ $c-C_4H_7$ OC_2H_5 I $I-71$ $c-C_4H_7$ $OCH_2C=CH$ OCH_3 $I-72$ $c-C_4H_7$ $OCH_2C=CH$ CI $I-73$ $c-C_4H_7$ $OCH_2C=CH$ CI $I-74$ $c-C_4H_7$ $OCH_2C=CH$ CIF_2 $I-75$ $c-C_4H_7$ $OCH_2C=CH$ I $I-76$ $c-C_4H_7$ $OCH_2C=CH$ I $I-77$ $c-C_4H_7$ OCH_2CHF_2 CH_3 $I-78$ $c-C_4H_7$ OCH_2CHF_2 CI $I-78$ $c-C_4H_7$ OCH_2CHF_2 CI $I-80$ $c-C_4H_7$ OCH_2CHF_2 Br $I-81$ $c-C_4H_7$ OCH_2CHF_2 Br $I-81$ $c-C_4H_7$ OCH_2CHF_2 CHF_2 $I-83$ $c-C_4H_7$ OCH_2CHF_2 I $I-83$ $c-C_4H_7$ OCH_2CHF_2 I $I-84$ $c-C_4H_7$ OCH_2CHF_2 I $I-83$ $c-C_4H_7$ OCH_2CHF_2 I $I-84$ $c-C_4H_7$ OCH_2CHF_2 I	I-60	c-C₄H ₇	OCH₃	Br		
1-63 $C - C_4 H_7$ $O C H_3$ II-63 $C - C_4 H_7$ $O C_2 H_5$ $C H_3$ I-64 $C - C_4 H_7$ $O C_2 H_5$ $O C H_3$ I-65 $C - C_4 H_7$ $O C_2 H_5$ $C I$ I-67 $C - C_4 H_7$ $O C_2 H_5$ $B r$ I-68 $C - C_4 H_7$ $O C_2 H_5$ $C H F_2$ I-69 $C - C_4 H_7$ $O C_2 H_5$ F I-70 $C - C_4 H_7$ $O C_2 H_5$ I I-71 $C - C_4 H_7$ $O C_2 H_5$ I I-72 $C - C_4 H_7$ $O C H_2 C \equiv C H$ $O C H_3$ I-73 $C - C_4 H_7$ $O C H_2 C \equiv C H$ $C H F_2$ I-74 $C - C_4 H_7$ $O C H_2 C \equiv C H$ $C H F_2$ I-75 $C - C_4 H_7$ $O C H_2 C \equiv C H$ $C H F_2$ I-76 $C - C_4 H_7$ $O C H_2 C \equiv C H$ I I-77 $C - C_4 H_7$ $O C H_2 C \equiv C H$ I I-78 $C - C_4 H_7$ $O C H_2 C \equiv C H$ I I-79 $C - C_4 H_7$ $O C H_2 C H F_2$ $C H_3$ I-79 $C - C_4 H_7$ $O C H_2 C H F_2$ $C H_3$ I-80 $C - C_4 H_7$ $O C H_2 C H F_2$ $B r$ I-81 $C - C_4 H_7$ $O C H_2 C H F_2$ $B r$ I-83 $C - C_4 H_7$ $O C H_2 C H F_2$ $E H_2$ I-83 $C - C_4 H_7$ $O C H_2 C H F_2$ $E H_2$ I-84 $C - C_4 H_7$ $O C H_2 C H F_2$ $I H H_2$ I-84 $C - C_4 H_7$ $O C H_2 C H F_2$ $I H H_2$	I-61	c-C₄H ₇	OCH₃	CHF ₂		
I-64 $C-C_4H_7$ OC_2H_5 CH_3 I-65 $C-C_4H_7$ OC_2H_5 OCH_3 I-66 $c-C_4H_7$ OC_2H_5 CI I-67 $c-C_4H_7$ OC_2H_5 Br I-68 $c-C_4H_7$ OC_2H_5 CHF_2 I-69 $c-C_4H_7$ OC_2H_5 I I-70 $c-C_4H_7$ OC_2H_5 I I-71 $c-C_4H_7$ OC_2H_5 I I-72 $c-C_4H_7$ $OCH_2C=CH$ OCH_3 I-73 $c-C_4H_7$ $OCH_2C=CH$ CI I-74 $c-C_4H_7$ $OCH_2C=CH$ Br I-75 $c-C_4H_7$ $OCH_2C=CH$ Br I-76 $c-C_4H_7$ $OCH_2C=CH$ I I-77 $c-C_4H_7$ $OCH_2C=CH$ I I-78 $c-C_4H_7$ $OCH_2C=CH$ I I-79 $c-C_4H_7$ OCH_2CHF_2 CI I-80 $c-C_4H_7$ OCH_2CHF_2 CI I-81 $c-C_4H_7$ OCH_2CHF_2 CHF_2 I-83 $c-C_4H_7$ OCH_2CHF_2 CHF_2 I-84 $c-C_4H_7$ OCH_2CHF_2 I I-84 $c-C_4H_7$ OCH_2CHF_2 I	I-62	c-C₄H ₇	OCH ₃	F		
$1-65$ $C-C_4H_7$ OC_2H_5 OCH_3 $1-66$ $c-C_4H_7$ OC_2H_5 CI $1-67$ $c-C_4H_7$ OC_2H_5 Br $1-68$ $c-C_4H_7$ OC_2H_5 CHF_2 $1-69$ $c-C_4H_7$ OC_2H_5 F $1-70$ $c-C_4H_7$ OC_2H_5 I $1-70$ $c-C_4H_7$ OC_2H_5 I $1-71$ $c-C_4H_7$ $OCH_2C=CH$ CH_3 $1-72$ $c-C_4H_7$ $OCH_2C=CH$ OCH_3 $1-73$ $c-C_4H_7$ $OCH_2C=CH$ Br $1-74$ $c-C_4H_7$ $OCH_2C=CH$ CHF_2 $1-76$ $c-C_4H_7$ $OCH_2C=CH$ F $1-76$ $c-C_4H_7$ $OCH_2C=CH$ I $1-77$ $c-C_4H_7$ $OCH_2C=CH$ I $1-78$ $c-C_4H_7$ $OCH_2C=CHF_2$ CH_3 $1-79$ $c-C_4H_7$ OCH_2CHF_2 CH_3 $1-80$ $c-C_4H_7$ OCH_2CHF_2 Br $1-81$ $c-C_4H_7$ OCH_2CHF_2 Br $1-83$ $c-C_4H_7$ OCH_2CHF_2 Br $1-84$ $c-C_4H_7$ OCH_2CHF_2 F $1-83$ $c-C_4H_7$ OCH_2CHF_2 I $1-84$ $c-C_4H_7$ OCH_2CHF_2 I $1-84$ $c-C_4H_7$ OCH_2CHF_2 I $1-84$ $c-C_4H_7$ OCH_2CHF_2 I $1-84$ $c-C_4H_7$ OCH_2CHF_2 I	I-63	c-C₄H ₇	OCH ₃	I		
I-64 $I-64$ $I-62$ $I-62$ $I-63$ $I-64$ $I-71$ $I-64$ $I-72$ $I-64$ $I-71$ $I-64$ $I-64$ $I-72$ $I-74$ $I-64$ $I-72$ $I-64$ $I-72$ $I-74$ $I-64$ $I-72$ $I-74$ $I-64$ $I-72$ $I-64$ $I-72$ $I-64$ $I-72$ $I-64$ $I-72$ $I-64$ $I-72$ $I-64$ $I-72$ $I-73$ $I-64$ $I-64$ $I-72$ $I-73$ $I-64$ $I-64$ $I-72$ $I-73$ $I-64$ $I-6$	I-64	c-C₄H ₇	OC ₂ H ₅	CH ₃		
I-67C-C_4H7OC_2H5BrI-68c-C_4H7OC_2H5CHF2I-69c-C_4H7OC_2H5FI-70c-C_4H7OC_2H5II-71c-C_4H7OCH2C=CHCH3I-72c-C_4H7OCH2C=CHOCH3I-73c-C_4H7OCH2C=CHCII-74c-C_4H7OCH2C=CHBrI-75c-C_4H7OCH2C=CHFI-76c-C_4H7OCH2C=CHFI-77c-C_4H7OCH2C=CHFI-78c-C_4H7OCH2C=CHF2CH3I-79c-C_4H7OCH2CHF2CH3I-80c-C_4H7OCH2CHF2CII-81c-C_4H7OCH2CHF2BrI-83c-C_4H7OCH2CHF2FI-84c-C_4H7OCH2CHF2II-85c-C_4H7NHOCH3CH3	I-65	c-C₄H ₇	OC ₂ H ₅	OCH ₃		
I-68 $C-C_4H_7$ OC_2H_5 CHF_2 I-69 $c-C_4H_7$ OC_2H_5 F I-70 $c-C_4H_7$ OC_2H_5 I I-71 $c-C_4H_7$ $OCH_2C=CH$ CH_3 I-72 $c-C_4H_7$ $OCH_2C=CH$ OCH_3 I-73 $c-C_4H_7$ $OCH_2C=CH$ CI I-74 $c-C_4H_7$ $OCH_2C=CH$ Br I-75 $c-C_4H_7$ $OCH_2C=CH$ CHF_2 I-76 $c-C_4H_7$ $OCH_2C=CH$ F I-77 $c-C_4H_7$ $OCH_2C=CH$ I I-78 $c-C_4H_7$ $OCH_2C=CHF_2$ CH_3 I-79 $c-C_4H_7$ OCH_2CHF_2 CI I-80 $c-C_4H_7$ OCH_2CHF_2 CI I-81 $c-C_4H_7$ OCH_2CHF_2 Br I-82 $c-C_4H_7$ OCH_2CHF_2 CHF_2 I-83 $c-C_4H_7$ OCH_2CHF_2 I I-84 $c-C_4H_7$ OCH_2CHF_2 I I-84 $c-C_4H_7$ OCH_2CHF_2 I	I-66	c-C₄H ₇	OC ₂ H ₅	СІ		
$I-69$ $C-C_4H_7$ OC_2H_5 F $I-70$ $C-C_4H_7$ OC_2H_5 I $I-71$ $C-C_4H_7$ $OCH_2C=CH$ CH_3 $I-72$ $C-C_4H_7$ $OCH_2C=CH$ OCH_3 $I-73$ $C-C_4H_7$ $OCH_2C=CH$ CI $I-74$ $C-C_4H_7$ $OCH_2C=CH$ Br $I-75$ $C-C_4H_7$ $OCH_2C=CH$ Br $I-76$ $C-C_4H_7$ $OCH_2C=CH$ F $I-76$ $C-C_4H_7$ $OCH_2C=CH$ I $I-78$ $C-C_4H_7$ $OCH_2C=CH$ I $I-79$ $C-C_4H_7$ OCH_2CHF_2 CH_3 $I-79$ $C-C_4H_7$ OCH_2CHF_2 OCH_3 $I-80$ $C-C_4H_7$ OCH_2CHF_2 CI $I-81$ $C-C_4H_7$ OCH_2CHF_2 Br $I-82$ $C-C_4H_7$ OCH_2CHF_2 Br $I-83$ $C-C_4H_7$ OCH_2CHF_2 $I-F_2$ $I-84$ $C-C_4H_7$ OCH_2CHF_2 I	I-67	c-C₄H ₇	OC ₂ H ₅	Br		
$I = 0$ $I = 0$ $I = 0$ $I = 0$ $I = 70$ $C = C_4 H_7$ $OC_2 H_5$ I $I = 71$ $C = C_4 H_7$ $OCH_2 C \equiv CH$ CH_3 $I = 72$ $C = C_4 H_7$ $OCH_2 C \equiv CH$ OCH_3 $I = 73$ $C = C_4 H_7$ $OCH_2 C \equiv CH$ Br $I = 74$ $C = C_4 H_7$ $OCH_2 C \equiv CH$ Br $I = 75$ $C = C_4 H_7$ $OCH_2 C \equiv CH$ Br $I = 76$ $C = C_4 H_7$ $OCH_2 C \equiv CH$ F $I = 76$ $C = C_4 H_7$ $OCH_2 C \equiv CH$ I $I = 77$ $C = C_4 H_7$ $OCH_2 C \equiv CH$ I $I = 78$ $C = C_4 H_7$ $OCH_2 C \equiv CH$ I $I = 79$ $C = C_4 H_7$ $OCH_2 C HF_2$ CH_3 $I = 80$ $C = C_4 H_7$ $OCH_2 C HF_2$ CI $I = 81$ $C = C_4 H_7$ $OCH_2 C HF_2$ Br $I = 82$ $C = C_4 H_7$ $OCH_2 C HF_2$ CHF_2 $I = 83$ $C = C_4 H_7$ $OCH_2 C HF_2$ F $I = 84$ $C = C_4 H_7$ $OCH_2 C HF_2$ I $I = 84$ $C = C_4 H_7$ $OCH_2 C HF_2$ I $I = 84$ $C = C_4 H_7$ $OCH_2 C HF_2$ I $I = 84$ $C = C_4 H_7$ $OCH_2 C HF_2$ I $I = 85$ $C = C_4 H_7$ $OCH_2 C HF_2$ I	I-68	c-C ₄ H ₇	OC ₂ H ₅	CHF ₂		
I-71C-C_4H7OCH2C=CHCH3I-72C-C_4H7OCH2C=CHOCH3I-73C-C_4H7OCH2C=CHCII-74C-C_4H7OCH2C=CHBrI-75C-C_4H7OCH2C=CHCHF2I-76C-C_4H7OCH2C=CHFI-77C-C_4H7OCH2C=CHII-78C-C_4H7OCH2CHF2CH3I-79C-C_4H7OCH2CHF2OCH3I-80C-C_4H7OCH2CHF2CII-81C-C_4H7OCH2CHF2BrI-81C-C_4H7OCH2CHF2CHF2I-83C-C_4H7OCH2CHF2FI-84C-C_4H7OCH2CHF2II-85C-C_4H7NHOCH3CH3	I-69	c-C₄H ₇	OC_2H_5	F		
I-72C-C_4H7OCH2C=CHOCH3I-73C-C_4H7OCH2C=CHCII-74C-C_4H7OCH2C=CHBrI-75C-C_4H7OCH2C=CHCHF2I-76C-C_4H7OCH2C=CHFI-77C-C_4H7OCH2C=CHII-78C-C_4H7OCH2CHF2CH3I-79C-C_4H7OCH2CHF2OCH3I-80C-C_4H7OCH2CHF2CII-81C-C_4H7OCH2CHF2BrI-82C-C_4H7OCH2CHF2BrI-83C-C_4H7OCH2CHF2FI-84C-C_4H7OCH2CHF2II-84C-C_4H7NHOCH3CH3	I-70	c-C₄H ₇	OC ₂ H ₅	I		
I-73C-C_4H7OCH2C=CHCII-74c-C_4H7OCH2C=CHBrI-75c-C_4H7OCH2C=CHCHF2I-76c-C_4H7OCH2C=CHFI-77c-C_4H7OCH2C=CHII-78c-C_4H7OCH2CHF2CH3I-79c-C_4H7OCH2CHF2CH3I-80c-C_4H7OCH2CHF2CII-81c-C_4H7OCH2CHF2BrI-81c-C_4H7OCH2CHF2BrI-82c-C_4H7OCH2CHF2FI-83c-C_4H7OCH2CHF2II-84c-C_4H7OCH2CHF2II-84c-C_4H7NHOCH3CH3	I-71	c-C₄H ₇	OCH₂C≡CH	CH ₃		
I-74 C-C ₄ H ₇ OCH ₂ C=CH Br I-75 C-C ₄ H ₇ OCH ₂ C=CH CHF ₂ I-76 C-C ₄ H ₇ OCH ₂ C=CH F I-77 C-C ₄ H ₇ OCH ₂ C=CH I I-77 C-C ₄ H ₇ OCH ₂ C=CH I I-78 C-C ₄ H ₇ OCH ₂ C=CH I I-79 C-C ₄ H ₇ OCH ₂ CHF ₂ CH ₃ I-79 C-C ₄ H ₇ OCH ₂ CHF ₂ OCH ₃ I-80 C-C ₄ H ₇ OCH ₂ CHF ₂ CI I-81 C-C ₄ H ₇ OCH ₂ CHF ₂ Br I-81 C-C ₄ H ₇ OCH ₂ CHF ₂ F I-82 C-C ₄ H ₇ OCH ₂ CHF ₂ F I-83 C-C ₄ H ₇ OCH ₂ CHF ₂ I I-84 C-C ₄ H ₇ OCH ₂ CHF ₂ I I-84 C-C ₄ H ₇ OCH ₂ CHF ₂ I I-85 C-C ₄ H ₇ NHOCH ₃ CH ₃	I-72	c-C₄H ₇	OCH₂C≡CH	OCH ₃		
I-75 C-C ₄ H ₇ OCH ₂ C=CH CHF ₂ I-76 C-C ₄ H ₇ OCH ₂ C=CH F I-77 C-C ₄ H ₇ OCH ₂ C=CH I I-78 C-C ₄ H ₇ OCH ₂ C=CH I I-78 C-C ₄ H ₇ OCH ₂ CHF ₂ CH ₃ I-79 C-C ₄ H ₇ OCH ₂ CHF ₂ OCH ₃ I-80 c-C ₄ H ₇ OCH ₂ CHF ₂ CI I-81 c-C ₄ H ₇ OCH ₂ CHF ₂ Br I-81 c-C ₄ H ₇ OCH ₂ CHF ₂ F I-81 c-C ₄ H ₇ OCH ₂ CHF ₂ F I-82 c-C ₄ H ₇ OCH ₂ CHF ₂ F I-83 c-C ₄ H ₇ OCH ₂ CHF ₂ I I-84 c-C ₄ H ₇ OCH ₂ CHF ₂ I I-84 c-C ₄ H ₇ OCH ₂ CHF ₂ I I-85 c-C ₄ H ₇ NHOCH ₃ CH ₃	I-73	c-C₄H ₇	OCH₂C≡CH	СІ		
I-76 C-C ₄ H ₇ OCH ₂ C=CH F I-77 C-C ₄ H ₇ OCH ₂ C=CH I I-78 C-C ₄ H ₇ OCH ₂ CHF ₂ CH ₃ I-79 C-C ₄ H ₇ OCH ₂ CHF ₂ OCH ₃ I-80 c-C ₄ H ₇ OCH ₂ CHF ₂ CI I-81 c-C ₄ H ₇ OCH ₂ CHF ₂ Br I-81 c-C ₄ H ₇ OCH ₂ CHF ₂ Br I-81 c-C ₄ H ₇ OCH ₂ CHF ₂ F I-83 c-C ₄ H ₇ OCH ₂ CHF ₂ F I-83 c-C ₄ H ₇ OCH ₂ CHF ₂ I I-84 c-C ₄ H ₇ OCH ₂ CHF ₂ I I-84 c-C ₄ H ₇ OCH ₂ CHF ₂ I I-84 c-C ₄ H ₇ OCH ₂ CHF ₂ I	I-74	c-C₄H ₇	OCH₂C≡CH	Br		
I-77 C-C ₄ H ₇ OCH ₂ C≡CH I I-78 c-C ₄ H ₇ OCH ₂ CHF ₂ CH ₃ I-79 c-C ₄ H ₇ OCH ₂ CHF ₂ OCH ₃ I-80 c-C ₄ H ₇ OCH ₂ CHF ₂ CI I-81 c-C ₄ H ₇ OCH ₂ CHF ₂ Br I-81 c-C ₄ H ₇ OCH ₂ CHF ₂ Br I-81 c-C ₄ H ₇ OCH ₂ CHF ₂ F I-82 c-C ₄ H ₇ OCH ₂ CHF ₂ F I-83 c-C ₄ H ₇ OCH ₂ CHF ₂ I I-84 c-C ₄ H ₇ OCH ₂ CHF ₂ I I-84 c-C ₄ H ₇ OCH ₂ CHF ₂ I I-84 c-C ₄ H ₇ OCH ₂ CHF ₂ I	I-75	c-C₄H ₇	OCH₂C≡CH	CHF ₂		
I-78 C-C ₄ H ₇ OCH ₂ CHF ₂ CH ₃ I-79 c-C ₄ H ₇ OCH ₂ CHF ₂ OCH ₃ I-80 c-C ₄ H ₇ OCH ₂ CHF ₂ CI I-81 c-C ₄ H ₇ OCH ₂ CHF ₂ Br I-81 c-C ₄ H ₇ OCH ₂ CHF ₂ Br I-82 c-C ₄ H ₇ OCH ₂ CHF ₂ CHF ₂ I-83 c-C ₄ H ₇ OCH ₂ CHF ₂ F I-84 c-C ₄ H ₇ OCH ₂ CHF ₂ I I-84 c-C ₄ H ₇ OCH ₂ CHF ₂ I	I-76	c-C₄H ₇	OCH₂C≡CH	F		
I-79 c-C ₄ H ₇ OCH ₂ CHF ₂ OCH ₃ I-80 c-C ₄ H ₇ OCH ₂ CHF ₂ CI I-81 c-C ₄ H ₇ OCH ₂ CHF ₂ Br I-81 c-C ₄ H ₇ OCH ₂ CHF ₂ Br I-82 c-C ₄ H ₇ OCH ₂ CHF ₂ CHF ₂ I-83 c-C ₄ H ₇ OCH ₂ CHF ₂ F I-84 c-C ₄ H ₇ OCH ₂ CHF ₂ I I-84 c-C ₄ H ₇ OCH ₂ CHF ₂ I I-85 c-C ₄ H ₇ NHOCH ₃ CH ₃	I-77	c-C₄H ₇	OCH₂C≡CH	I		
I-80 C-C ₄ H ₇ OCH ₂ CHF ₂ CI I-81 C-C ₄ H ₇ OCH ₂ CHF ₂ Br I-82 C-C ₄ H ₇ OCH ₂ CHF ₂ Br I-82 C-C ₄ H ₇ OCH ₂ CHF ₂ CHF ₂ I-83 C-C ₄ H ₇ OCH ₂ CHF ₂ F I-84 C-C ₄ H ₇ OCH ₂ CHF ₂ I I-84 C-C ₄ H ₇ OCH ₂ CHF ₂ I I-85 C-C ₄ H ₇ NHOCH ₃ CH ₃	I-78	c-C₄H ₇	OCH ₂ CHF ₂	CH ₃		
I-81 C-C ₄ H ₇ OCH ₂ CHF ₂ Br I-82 C-C ₄ H ₇ OCH ₂ CHF ₂ CHF ₂ I-83 C-C ₄ H ₇ OCH ₂ CHF ₂ F I-84 C-C ₄ H ₇ OCH ₂ CHF ₂ I I-84 C-C ₄ H ₇ OCH ₂ CHF ₂ I I-85 C-C ₄ H ₇ OCH ₂ CHF ₃ I	I-79	c-C₄H ₇	OCH ₂ CHF ₂	OCH ₃		
I-82 C-C ₄ H ₇ OCH ₂ CHF ₂ CHF ₂ I-83 c-C ₄ H ₇ OCH ₂ CHF ₂ F I-84 c-C ₄ H ₇ OCH ₂ CHF ₂ I I-85 c-C ₄ H ₇ NHOCH ₃ CH ₃	I-80	c-C ₄ H ₇	OCH ₂ CHF ₂	СІ		
I-83 c-C ₄ H ₇ OCH ₂ CHF ₂ F I-84 c-C ₄ H ₇ OCH ₂ CHF ₂ I I-85 c-C ₄ H ₇ NHOCH ₃ CH ₃	I-81	c-C ₄ H ₇	OCH ₂ CHF ₂	Br		
I-84C-C ₄ H ₇ OCH ₂ CHF ₂ II-85C-C ₄ H ₇ NHOCH ₃ CH ₃	I-82	c-C ₄ H ₇	OCH ₂ CHF ₂	CHF ₂		
I-85 c-C ₄ H ₇ NHOCH ₃ CH ₃	1-83	c-C ₄ H ₇	OCH ₂ CHF ₂	F		
	I-84	c-C ₄ H ₇	OCH ₂ CHF ₂	I		
I-86 c-C ₄ H ₇ NHOCH ₃ OCH ₃	I-85	c-C ₄ H ₇	NHOCH ₃	CH ₃		
	I-86	c-C ₄ H ₇	NHOCH ₃	OCH ₃		

Line	R ¹	R ²	R ³
I-87	c-C₄H ₇	NHOCH ₃	CI
I-88	c-C₄H ₇	NHOCH ₃	Br
I-89	c-C₄H ₇	NHOCH ₃	CHF ₂
I-90	c-C₄H ₇	NHOCH ₃	F
I-91	c-C₄H ₇	NHOCH ₃	I
I-92	c-C₄H ₇	NHCOCH ₃	CH ₃
I-93	c-C₄H ₇	NHCOCH ₃	OCH ₃
I-94	c-C₄H ₇	NHCOCH ₃	CI
I-95	c-C₄H ₇	NHCOCH ₃	Br
I-96	c-C₄H ₇	NHCOCH ₃	CHF ₂
I-97	c-C₄H ₇	NHCOCH ₃	F
I-98	c-C₄H ₇	NHCOCH ₃	Ι
1-99	C_2H_5	ОН	CH ₃
I-100	C_2H_5	ОН	OCH ₃
I-101	C_2H_5	он	CI
I-102	C_2H_5	он	Br
I-103	C_2H_5	ОН	CHF ₂
I-104	C_2H_5	он	F
I-105	C_2H_5	он	Ι
I-106	C_2H_5	OCH₃	CH ₃
I-107	C_2H_5	OCH ₃	OCH ₃
I-108	C_2H_5	OCH₃	CI
I-109	C_2H_5	OCH₃	Br
I-110	C ₂ H ₅	OCH ₃	CHF ₂
I-111	C_2H_5	OCH ₃	F
I-112	C_2H_5	OCH₃	I
I-113	C_2H_5	OC_2H_5	CH ₃
I-114	C_2H_5	OC_2H_5	OCH ₃
I-115	C_2H_5	OC_2H_5	CI
I-116	C_2H_5	OC_2H_5	Br
I-117	C_2H_5	OC ₂ H ₅	CHF ₂
I-118	C_2H_5	OC_2H_5	F
I-119	C_2H_5	OC_2H_5	I
I-120	C_2H_5	OCH₂C≡CH	CH ₃
I-121	C_2H_5	OCH₂C≡CH	OCH ₃

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Line	R ¹	R ²	R ³
I-122	C_2H_5	OCH₂C≡CH	СІ
I-123	C_2H_5	OCH₂C≡CH	Br
I-124	C_2H_5	OCH₂C≡CH	CHF ₂
I-125	C_2H_5	OCH₂C≡CH	F
I-126	C_2H_5	OCH₂C≡CH	Ι
I-127	C_2H_5	OCH ₂ CHF ₂	CH ₃
I-128	C_2H_5	OCH ₂ CHF ₂	OCH ₃
I-129	C_2H_5	OCH ₂ CHF ₂	CI
I-130	C_2H_5	OCH ₂ CHF ₂	Br
I-131	C_2H_5	OCH ₂ CHF ₂	CHF ₂
I-132	C_2H_5	OCH ₂ CHF ₂	F
I-133	C_2H_5	OCH ₂ CHF ₂	I
I-134	C_2H_5	NHOCH ₃	CH ₃
I-135	C_2H_5	NHOCH ₃	OCH ₃
I-136	C_2H_5	NHOCH ₃	СІ
I-137	C_2H_5	NHOCH ₃	Br
I-138	C_2H_5	NHOCH ₃	CHF ₂
I-139	C_2H_5	NHOCH ₃	F
I-140	C_2H_5	NHOCH ₃	I
I-141	C_2H_5	NHCOCH ₃	CH ₃
I-142	C_2H_5	NHCOCH ₃	OCH ₃
I-143	C_2H_5	NHCOCH ₃	СІ
I-144	C_2H_5	NHCOCH ₃	Br
I-145	C_2H_5	NHCOCH ₃	CHF ₂
I-146	C_2H_5	NHCOCH ₃	F
I-147	C_2H_5	NHCOCH ₃	I
I-148	OCH ₃	ОН	CH ₃
I-149	OCH ₃	ОН	OCH ₃
I-150	OCH ₃	ОН	СІ
I-151	OCH ₃	ОН	Br
I-152	OCH ₃	ОН	CHF ₂
I-153	OCH ₃	он	F
I-154	OCH ₃	ОН	1
I-155	OCH ₃	OCH ₃	CH ₃
I-156	OCH ₃	OCH ₃	OCH ₃

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R³

OCH₃

CHF₂

 $\frac{CH_3}{OCH_3}$

CI Br

CHF₂

CH₃

CI Br

OCH₃

CHF₂

F

CI Br

F

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Line	R ¹	R ²	R ³		Line	R ¹	R ²
I-157	OCH ₃	OCH ₃	CI]	I-177	OCH ₃	OCH ₂ CHF ₂
I-158	OCH ₃	OCH ₃	Br		I-178	OCH ₃	OCH ₂ CHF ₂
I-159	OCH ₃	OCH ₃	CHF ₂		I-179	OCH ₃	OCH ₂ CHF ₂
I-160	OCH ₃	OCH ₃	F		I-180	OCH ₃	OCH ₂ CHF ₂
I-161	OCH ₃	OCH ₃	1		I-181	OCH ₃	OCH ₂ CHF ₂
I-162	OCH ₃	OC_2H_5	CH ₃		I-182	OCH ₃	OCH ₂ CHF ₂
I-163	OCH ₃	OC_2H_5	OCH ₃		I-183	OCH ₃	NHOCH ₃
I-164	OCH ₃	OC ₂ H ₅	CI		I-184	OCH ₃	NHOCH ₃
I-165	OCH ₃	OC_2H_5	Br		I-185	OCH ₃	NHOCH ₃
I-166	OCH ₃	OC_2H_5	CHF ₂		I-186	OCH ₃	NHOCH ₃
I-167	OCH ₃	OC_2H_5	F		l-187	OCH ₃	NHOCH ₃
I-168	OCH ₃	OC_2H_5	1		I-188	OCH ₃	NHOCH ₃
I-169	OCH ₃	OCH₂C≡CH	CH ₃		I-189	OCH ₃	NHOCH ₃
I-170	OCH ₃	OCH₂C≡CH	OCH ₃		I-190	OCH ₃	NHCOCH ₃
I-171	OCH ₃	OCH₂C≡CH	CI		I-191	OCH ₃	NHCOCH ₃
I-172	OCH ₃	OCH₂C≡CH	Br		I-192	OCH ₃	NHCOCH ₃
I-173	OCH ₃	OCH₂C≡CH	CHF ₂		I-193	OCH ₃	NHCOCH ₃
I-174	OCH ₃	OCH₂C≡CH	F		I-194	OCH ₃	NHCOCH ₃
I-175	OCH ₃	OCH₂C≡CH	I]	I-195	OCH ₃	NHCOCH ₃
I-176	OCH ₃	OCH ₂ CHF ₂	CH ₃]	I-196	OCH ₃	NHCOCH ₃
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Table 13. Compounds of formula I.g, wherein m is 0, V is CF_2 , V is CH_2 , X and W are O (= compound of formula 1.13), and the meaning for the combination of R^1 and R^2 for each individual compound corresponds in each case to one line of Table A1.

5 Table 14. Compounds of formula I.g, wherein m is 1, R⁴ is 2"- CI, V is CF₂, X and W are O (= compound of formula 1.14), and the meaning for the combination of R¹ and R² for each individual compound corresponds in each case to one line of Table A1.

Table 15. Compounds of formula I.g, wherein m is 0, V is CH_2 , X and W are O (= compound of formula 1.15), and the meaning for the combination of R^1 and R^2 for each individual compound corresponds in each case to one line of Table A1.

Table 16. Compounds of formula I.g, wherein m is 1, R^4 is 2"- CI, V is CH_2 , X and W are O (= compound of formula 1.16), and the meaning for the combination of R^1 and R^2 for each individual compound corresponds in each case to one line of Table A1.

Table 17. Compounds of formula I.g, wherein m is 0, V is CH₂, X is CH₂ and W is O (= compound of formula 1.17), and the meaning for the combination of R¹ and R² for each individual compound corresponds in each case to one line of Table A1.

Table 18. Compounds of formula I.g, wherein m is 1, R^4 is 2"- CI, V is CH₂, X is CH₂ and W is O (= compound of formula 1.18), and the meaning for the combination of R^1 and R^2 for each individual compound corresponds in each case to one line of Table A1.

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Table 19. Compounds of formula I.g, wherein m is 0, V, X, and W are CH_2 (= compound of formula 1.19), and the meaning for the combination of R^1 and R^2 for each individual compound corresponds in each case to one line of Table A1.

Table 20. Compounds of formula I.g, wherein m is 1, R^4 is 2"- CI, V, X, and W are CH₂ (= compound of formula 1.20), and the meaning for the combination of R^1 and R^2 for each individual compound corresponds in each case to one line of Table A1.

Table 21. Compounds of formula I.h, wherein m is 0, V is CF_2 , X and W are O (= compound of formula 1.21), and the meaning for the combination of R^1 and R^2 for each individual compound corresponds in each case to one line of Table A1.

10 Table 22. Compounds of formula I.h, wherein m is 1, R⁴ is 2"- CI, V is CF₂, X and W are O (= compound of formula 1.22), and the meaning for the combination of R¹ and R² for each individual compound corresponds in each case to one line of Table A1.

Table 23. Compounds of formula l.h, wherein m is 0, V is CH_2 , X and W are O (= compound of formula 1.23), and the meaning for the combination of R^1 and R^2 for each individual compound corresponds in each case to one line of Table A1.

Table 24. Compounds of formula I.h, wherein m is 1, R^4 is 2"- Cl, V is CH_2 , X and W are O (= compound of formula 1.24), and the meaning for the combination of R^1 and R^2 for each individual compound corresponds in each case to one line of Table A1.

Table 25. Compounds of formula I.h, wherein m is 0, V is CH₂, X is CH₂ and W is O (=
compound of formula 1.25), and the meaning for the combination of R¹ and R² for each individual compound corresponds in each case to one line of Table A1.

Table 26. Compounds of formula I.h, wherein m is 1, R^4 is 2"- CI, V is CH₂, X is CH₂ (= compound of formula 1.26), and W is O, and the meaning for the combination of R^1 and R^2 for each individual compound corresponds in each case to one line of Table A1.

25 Table 27. Compounds of formula I.h, wherein m is 0, V, X, and W are CH₂ (= compound of formula 1.27), and the meaning for the combination of R¹ and R² for each individual compound corresponds in each case to one line of Table A1.

Table 28. Compounds of formula I.h, wherein m is 1, R^4 is 2"- CI, V, X, and W are CH₂ (= compound of formula 1.28), and the meaning for the combination of R^1 and R^2 for each individual compound corresponds in each case to one line of Table A1.

Table 29. Compounds of formula I.i, wherein m is 0, X and W are O (= compound of formula 1.29), and the meaning for the combination of R^1 and R^2 for each individual compound corresponds in each case to one line of Table A1.

Table 30. Compounds of formula I.i, wherein m is 1, R⁴ is 2"- CI, X and W are O (= compound of formula 1.30), and the meaning for the combination of R¹, R², and R³ for each individual compound corresponds in each case to one line of Table A1.

Table 31. Compounds of formula I.j, wherein m is 0, X and W are O (= compound of formula 1.31), and the meaning for the combination of R^1 and R^2 for each individual compound corresponds in each case to one line of Table A1.

40 Table 32. Compounds of formula I.j, wherein m is 1, R⁴ is 3"- Cl, X and W are O (= compound of formula 1.32), and the meaning for the combination of R¹ and R² for each individual compound corresponds in each case to one line of Table A1.

Table 33. Compounds of formula I.k, wherein m is 0, X is O (= compound of formula 1.33), and the meaning for the combination of R^1 and R^2 for each individual compound corresponds in

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each case to one line of Table A1.

Table 34. Compounds of formula I.k, wherein m is 1, X is O, R^4 is 2"- CI, (= compound of formula 1.34) and the meaning for the combination of R^1 and R^2 for each individual compound corresponds in each case to one line of Table A1.

5 Table 35. Compounds of formula I.k, wherein m is 0, X is S (= compound of formula 1.35), and the meaning for the combination of R^1 and R^2 for each individual compound corresponds in each case to one line of Table A1.

Table 36. Compounds of formula I.k, wherein m is 1, X is S, R^4 is 2"- CI, (= compound of formula 1.36) and the meaning for the combination of R^1 and R^2 for each individual compound corresponds in each case to one line of Table A1.

Table 37. Compounds of formula l.k, wherein m is 0, X is NCH₃, (= compound of formula 1.37) and the meaning for the combination of R^1 and R^2 for each individual compound corresponds in each case to one line of Table A1.

Table 38. Compounds of formula I.k, wherein m is 1, X is NCH₃, R^4 is 2"- Cl, (= compound of formula 1.38) and the meaning for the combination of R^1 and R^2 for each individual compound corresponds in each case to one line of Table A1.

Table 39. Compounds of formula I.I, wherein m is 0, X is O, (= compound of formula 1.39), and the meaning for the combination of R^1 and R^2 for each individual compound corresponds in each case to one line of Table A1.

20 Table 40. Compounds of formula I.I, wherein m is 1, X is O, R⁴ is 9"-Cl (= compound of formula 1.40), and the meaning for the combination of R¹ and R² for each individual compound corresponds in each case to one line of Table A1.

Table 41. Compounds of formula I.I, wherein m is 0, X is S (= compound of formula 1.41), and the meaning for the combination of R^1 and R^2 for each individual compound corresponds in each case to one line of Table A1.

Table 42. Compounds of formula I.I, wherein m is 1, X is S, R^4 is 9"-Cl (= compound of formula 1.42), and the meaning for the combination of R^1 and R^2 for each individual compound corresponds in each case to one line of Table A1.

Table 43. Compounds of formula I.I, wherein m is 0, X is NCH₃ (= compound of formula 1.43), and the meaning for the combination of R^1 and R^2 for each individual compound corre-

sponds in each case to one line of Table A1.
Table 44. Compounds of formula I.I, wherein m is 1, X is NCH₃, R⁴ is 9"-CI (= compound of formula 1.44), and the meaning for the combination of R¹ and R² for each individual compound corresponds in each case to one line of Table A1.

35 Table 45. Compounds of formula I.m, wherein m is 0, X is O, W is N (= compound of formula 1.45), and the meaning for the combination of R¹ and R² for each individual compound corresponds in each case to one line of Table A1.

Table 46. Compounds of formula I.m, wherein m is 1, X is O, W is N, R^4 is 8"-Cl (= compound of formula 1.46), and the meaning for the combination of R^1 and R^2 for each individual compound corresponds in each case to one line of Table A1.

Table 47. Compounds of formula I.m, wherein m is 0, X is S, W is N (= compound of formula 1.47), and the meaning for the combination of R^1 and R^2 for each individual compound corresponds in each case to one line of Table A1.

Table 48. Compounds of formula I.m, wherein m is 1, X is S, W is N, R⁴ is 8"-Cl (= compound of formula 1.48), and the meaning for the combination of R¹ and R² for each individual compound corresponds in each case to one line of Table A1.

Table 49. Compounds of formula I.m, wherein m is 0, X is NCH₃, W is N (= compound of
formula 1.49), and the meaning for the combination of R¹ and R² for each individual compound corresponds in each case to one line of Table A1.

Table 50. Compounds of formula I.m, wherein m is 1, X is NCH₃, W is N, R⁴ is 8"-Cl (= compound of formula 1.50), and the meaning for the combination of R¹ and R² for each individual compound corresponds in each case to one line of Table A1.

10 Table 51. Compounds of formula I.n, wherein m is 0, X is O, W is N (= compound of formula 1.51), and the meaning for the combination of R¹ and R² for each individual compound corresponds in each case to one line of Table A1.

Table 52. Compounds of formula I.n, wherein m is 1, X is O, W is N, R^4 is 7"-Cl (= compound of formula 1.52), and the meaning for the combination of R^1 and R^2 for each individual compound corresponds in each case to one line of Table A1.

Table 53. Compounds of formula I.n, wherein m is 0, X is S, W is N (= compound of formula 1.53), and the meaning for the combination of R^1 and R^2 for each individual compound corresponds in each case to one line of Table A1.

Table 54. Compounds of formula l.n, wherein m is 1, X is S, W is N, R⁴ is 7"-Cl (= compound of formula 1.54), and the meaning for the combination of R¹ and R² for each individual compound corresponds in each case to one line of Table A1.

Table 55. Compounds of formula l.n, wherein m is 0, X is NCH₃, W is N (= compound of formula 1.55), and the meaning for the combination of R^1 and R^2 for each individual compound corresponds in each case to one line of Table A1.

25 Table 56. Compounds of formula l.n, wherein m is 1, X is NCH₃, W is N, R⁴ is 7"-Cl (= compound of formula 1.56), and the meaning for the combination of R¹ and R² for each individual compound corresponds in each case to one line of Table A1.

Table A1:

Line	R ¹	R ²
l-197	c-C₃H₅	ОН
I-198	c-C₃H₅	OCH ₃
I-199	$c-C_3H_5$	OC ₂ H ₅
I-200	c-C₃H₅	OCH₂C≡CH
I-201	c-C₃H₅	OCH ₂ CHF ₂
I-202	$c-C_3H_5$	NHOCH ₃
I-203	c-C₃H₅	NHCOCH ₃
I-204	c-C₄H ₇	он
I-205	c-C₄H ₇	OCH ₃
I-206	c-C₄H ₇	OC_2H_5
I-207	c-C₄H ₇	OCH₂C≡CH
I-208	c-C₄H ₇	OCH ₂ CHF ₂

Line	R ¹	R ²
I-209	c-C₄H ₇	NHOCH ₃
I-210	c-C₄H ₇	NHCOCH ₃
I-211	C_2H_5	ОН
I-212	C_2H_5	OCH₃
I-213	C_2H_5	OC_2H_5
I-214	C_2H_5	OCH₂C≡CH
I-215	C_2H_5	OCH ₂ CHF ₂
I-216	C_2H_5	NHOCH ₃
I-217	C_2H_5	NHCOCH ₃
I-218	OCH ₃	ОН
I-219	OCH ₃	OCH₃
I-220	OCH ₃	OC_2H_5

33

Line	R ¹	R ²	Line	R ¹	R ²
I-221	OCH ₃	OCH₂C≡CH	I-223	OCH₃	NHOCH ₃
I-222	OCH ₃	OCH ₂ CHF ₂	I-224	OCH ₃	NHCOCH ₃

The specific number for each single compound is deductible as follows:

Compound 1.1.I-3 e.g. comprises the compound of formula 1.1 from Table 1 and line I-3 from Table A;

5

Compound 1.16.I-198 e.g. comprises the compound of formula 1.16 from Table 16 and line I-198 from Table A1.

To widen the spectrum of action and to achieve synergistic effects, the pyrimidine compounds of formula (I) may be mixed with a large number of representatives of other herbicidal or growth-

- 10 regulating active ingredient groups and then applied concomitantly. Suitable components for mixtures are, e.g., herbicides from the classes of the acetamides, amides, aryloxyphenoxypropionates, benzamides, benzofuran, benzoic acids, benzothiadiazinones, bipyridylium, carbamates, chloroacetamides, chlorocarboxylic acids, cyclohexanediones, dinitroanilines, dinitrophenol, diphenyl ether, glycines, imidazolinones, isoxazoles,
- 15 isoxazolidinones, nitriles, N-phenylphthalimides, oxadiazoles, oxazolidinediones, oxyacetamides, phenoxycarboxylic acids, phenylcarbamates, phenylpyrazoles, phenylpyrazolines, phenylpyridazines, phosphinic acids, phosphoroamidates, phosphorodithioates, phthalamates, pyrazoles, pyridazinones, pyridines, pyridinecarboxylic acids, pyridinecarboxamides, pyrimidinediones, pyrimidinyl(thio)benzoates, quinolinecarboxylic
- acids, semicarbazones, sulfonylaminocarbonyltriazolinones, sulfonylureas, tetrazolinones, thiadiazoles, thiocarbamates, triazines, triazinones, triazoles, triazolinones, triazolocarboxamides, triazolopyrimidines, triketones, uracils, or ureas.
 It may furthermore be beneficial to apply the pyrimidine compounds of formula (I) alone or in combination with other herbicides, or else in the form of a mixture with other crop protection
- 25 agents, e.g. together with agents for controlling pests or phytopathogenic fungi or bacteria. Also of interest is the miscibility with mineral salt solutions, which are employed for treating nutritional and trace element deficiencies. Other additives such as non-phytotoxic oils and oil concentrates may also be added.

In one embodiment of the present invention the compositions according to the present inven-

30 tion comprise at least one pyrimidine compound of formula (I) (compound A) and at least one further active compound selected from herbicides B, preferably herbicides B of class b1) to b15), and safeners C (compound C).

In a preferred embodiment of the invention, the composition comprises as active compound A or component A at least one, preferably exactly one, compound A of formula (I.1) (corresponds to compound A of formula (I)), as defined herein;

35

In another preferred embodiment of the invention, the composition comprises as active compound A or component A at least one, preferably exactly one, compound A of formula (I.2) (corresponds to compound A of formula (I)), as defined herein;

In another preferred embodiment of the invention, the composition comprises as active com-

pound A or component A at least one, preferably exactly one, compound A of formula (I.3) (corresponds to compound A of formula (I)), as defined herein;

In another preferred embodiment of the invention, the composition comprises as active compound A or component A at least one, preferably exactly one, compound A of formula (I.4) (corresponds to compound A of formula (I)), as defined herein;

In another preferred embodiment of the invention, the composition comprises as active compound A or component A at least one, preferably exactly one, compound A of formula (I.5) (corresponds to compound A of formula (I)), as defined herein;

In another preferred embodiment of the invention, the composition comprises as active com pound A or component A at least one, preferably exactly one, compound A of formula (I.6) (corresponds to compound A of formula (I)), as defined herein;

In another preferred embodiment of the invention, the composition comprises as active compound A or component A at least one, preferably exactly one, compound A of formula (I.7) (corresponds to compound A of formula (I)), as defined herein;

15 Preferred compounds of the formula (I) which, as component A, are constituent of the composition according to the invention are the compounds I.1 to I.7, as defined above;

In another embodiment of the present invention the compositions according to the present invention comprise at least one pyrimidine compound of formula (I) and at least one further active compound B (herbicide B).

20 The further herbicidal compound B (component B) is preferably selected from the herbicides of class b1) to b15):

Mixing partners for the composition can be selected from below herbicides B as defined below:

- B) herbicides of class b1) to b15):
- b1) lipid biosynthesis inhibitors;
- 25 b2) acetolactate synthase inhibitors (ALS inhibitors);
 - b3) photosynthesis inhibitors;
 - b4) protoporphyrinogen-IX oxidase inhibitors (PPO inhibitors);
 - b5) bleacher herbicides;
 - b6) enolpyruvyl shikimate 3-phosphate synthase inhibitors (EPSP inhibitors);
- 30 b7) glutamine synthetase inhibitors;
 - b8) 7,8-dihydropteroate synthase inhibitors (DHP inhibitors);
 - b9) mitosis inhibitors;
 - b10) inhibitors of the synthesis of very long chain fatty acids (VLCFA inhibitors);
 - b11) cellulose biosynthesis inhibitors;
- 35 b12) decoupler herbicides;
 - b13) auxinic herbicides;
 - b14) auxin transport inhibitors; and
 - b15) other herbicides selected from the group consisting of bromobutide, chlorflurenol,

chlorflurenol-methyl, cinmethylin, cumyluron, dalapon, dazomet, difenzoquat, difenzoquat metilsulfate, dimethipin, DSMA, dymron, endothal and its salts, etobenzanid, flamprop, flam prop-isopropyl, flamprop-methyl, flamprop-M-isopropyl, flamprop-M-methyl, flurenol, flurenol butyl, flurprimidol, fosamine, fosamine-ammonium, indanofan, indaziflam, maleic hydrazide,

mefluidide, metam, methiozolin (CAS 403640-27-7), methyl azide, methyl bromide, methyl-dym-

ron, methyl iodide, MSMA, oleic acid, oxaziclomefone, pelargonic acid, pyributicarb, quinoclamine, triaziflam, tridiphane and 6-chloro-3-(2-cyclopropyl-6-methylphenoxy)-4-pyridazinol (CAS 499223-49-3) and its salts and esters;

including their agriculturally acceptable salts or derivatives;

- 5 In one embodiment of the invention, the compositions contain at least one inhibitor of the lipid biosynthesis (herbicide b1). These compounds inhibit lipid biosynthesis. Inhibition of the lipid biosynthesis can be affected either through inhibition of acetylCoA carboxylase (hereinaftertermed ACCase herbicides) or through a different mode of action (hereinafter termed non-AC-Case herbicides). The ACCase herbicides belong to the group A of the HRAC classification sys-
- 10 tem whereas the non-ACCase herbicides belong to the group N of the HRAC classification. In another embodiment of the invention, the compositions contain at least one ALS inhibitor (herbicide b2). The herbicidal activity of these compounds is based on the inhibition of acetolactate synthase and thus on the inhibition of the branched chain amino acid biosynthesis. These inhibitors belong to the group B of the HRAC classification system.
- In another embodiment of the invention, the compositions contain at least one inhibitor of photosynthesis (herbicide b3). The herbicidal activity of these compounds is based either on the inhibition of the photosystem II in plants (so-called PSII inhibitors, groups C1, C2 and C3 of HRAC classification) or on diverting the electron transfer in photosystem I in plants (so-called PSI inhibitors, group D of HRAC classification) and thus on an inhibition of photosynthesis. Amongst
- 20 these, PSII inhibitors are preferred. In another embodiment of the invention, the compositions contain at least one inhibitor of protoporphyrinogen-IX-oxidase (herbicide b4). The herbicidal activity of these compounds is based on the inhibition of the protoporphyrinogen-IX-oxidase. These inhibitors belong to the group E of the HRAC classification system.
- In another embodiment of the invention, the compositions contain at least one bleacher-herbicide (herbicide b5). The herbicidal activity of these compounds is based on the inhibition of the carotenoid biosynthesis. These include compounds which inhibit carotenoid biosynthesis by inhibition of phytoene desaturase (so-called PDS inhibitors, group F1 of HRAC classification), compounds that inhibit the 4-hydroxyphenylpyruvate-dioxygenase (HPPD inhibitors, group F2 of
- 30 HRAC classification), compounds that inhibit DOXsynthase (group F4 of HRAC class) and compounds which inhibit carotenoid biosynthesis by an unknown mode of action (bleacher - unknown target, group F3 of HRAC classification).

In another embodiment of the invention, the compositions contain at least one EPSP synthase inhibitor (herbicide b6). The herbicidal activity of these compounds is based on the inhibition of

- 35 enolpyruvyl shikimate 3-phosphate synthase, and thus on the inhibition of the amino acid biosynthesis in plants. These inhibitors belong to the group G of the HRAC classification system. In another embodiment of the invention, the compositions contain at least one glutamine synthetase inhibitor (herbicide b7). The herbicidal activity of these compounds is based on the inhibition of glutamine synthetase, and thus on the inhibition of the aminoacid biosynthesis in
- 40 plants. These inhibitors belong to the group H of the HRAC classification system. In another embodiment of the invention, the compositions contain at least one DHP synthase inhibitor (herbicide b8). The herbicidal activity of these compounds is based on the inhibition of 7,8-dihydropteroate synthase. These inhibitors belong to the group I of the HRAC classification system.

In another embodiment of the invention, the compositions contain at least one mitosis inhibitor (herbicide b9). The herbicidal activity of these compounds is based on the disturbance or inhibition of microtubule formation or organization, and thus on the inhibition of mitosis. These inhibitors belong to the groups K1 and K2 of the HRAC classification system. Among these, compounds of the group K1, in particular dinitroanilines, are preferred.

5 pounds of the group K1, in particular dinitroanilines, are preferred. In another embodiment of the invention, the compositions contain at least one VLCFA inhibitor (herbicide b10). The herbicidal activity of these compounds is based on the inhibition of the synthesis of very long chain fatty acids and thus on the disturbance or inhibition of cell division in plants. These inhibitors belong to the group K3 of the HRAC classification system.

- In another embodiment of the invention, the compositions contain at least one cellulose biosynthesis inhibitor (herbicide b11). The herbicidal activity of these compounds is based on the inhibition of the biosynthesis of cellulose and thus on the inhibition of the synthesis of cell walls in plants. These inhibitors belong to the group L of the HRAC classification system. In another embodiment of the invention, the compositions contain at least one decoupler herbi-
- 15 cide (herbicide b12). The herbicidal activity of these compounds is based on the disruption of the cell membrane. These inhibitors belong to the group M of the HRAC classification system. In another embodiment of the invention, the compositions contain at least one auxinic herbicide (herbicide b13). These include compounds that mimic auxins, i.e. plant hormones, and affect the growth of the plants. These compounds belong to the group O of the HRAC classifica-

20 tion system.

In another embodiment of the invention, the compositions contain at least one auxin transport inhibitor (herbicide b14). The herbicidal activity of these compounds is based on the inhibition of the auxin transport in plants. These compounds belong to the group P of the HRAC classification system.

 As to the given mechanisms of action and classification of the active substances, see e.g.
 "HRAC, Classification of Herbicides According to Mode of Action", http://www.plantprotection.org/hrac/MOA.html).

Preference is given to those compositions according to the present invention comprising at least one herbicide B selected from herbicides of class b1, b2, b3, b4, b5, b6, b9, b10, b13, and

30 b14.

Specific preference is given to those compositions according to the present invention which comprise at least one herbicide B selected from the herbicides of class b1, b2, b4, b5, b9, b10, b13, and b14.

Particular preference is given to those compositions according to the present invention which comprise at least one herbicide B selected from the herbicides of class b1, b2, b4, b5, b9, b10, and b13

Examples of herbicides B which can be used in combination with the compound of formula (I) according to the present invention are:

b1) from the group of the lipid biosynthesis inhibitors:

40 ACC-herbicides such as alloxydim, alloxydim-sodium, butroxydim, clethodim, clodinafop, clodinafop-propargyl, cycloxydim, cyhalofop, cyhalofop-butyl, diclofop, diclofop-methyl, fenoxaprop, fenoxaprop-ethyl, fenoxaprop-P, fenoxaprop-P-ethyl, fluazifop, fluazifop-butyl, fluazifop-P, fluazifop-P-butyl, haloxyfop, haloxyfop-methyl, haloxyfop-P, haloxyfop-P-methyl, metamifop, pinoxaden, profoxydim, propaquizafop, quizalofop, quizalofop-ethyl, quizalofop-tefuryl, quizalofop-

P, quizalofop-P-ethyl, quizalofop-P-tefuryl, sethoxydim, tepraloxydim, tralkoxydim, 4-(4'-Chloro-4-cyclopropyl-2'-fluoro[1,1'-biphenyl]-3-yl)-5-hydroxy-2,2,6,6-tetramethyl-2H-py-ran-3(6H)-one (CAS 1312337-72-6); 4-(2',4'-Dichloro-4-cyclopropyl[1,1'-biphenyl]-3-yl)-5-hy-droxy-2,2,6,6-tetramethyl-2H-pyran-3(6H)-one (CAS 1312337-45-3); 4-(4'-Chloro-4-ethyl-2'-flu-

- 5 oro[1,1'-biphenyl]-3-yl)-5-hydroxy-2,2,6,6-tetramethyl-2H-pyran-3(6H)-one (CAS 1033757-93-5); 4-(2',4'-Dichloro-4-ethyl[1,1'-biphenyl]-3-yl)-2,2,6,6-tetramethyl-2H-pyran-3,5(4H,6H)-dione (CAS 1312340-84-3); 5-(Acetyloxy)-4-(4'-chloro-4-cyclopropyl-2'-fluoro[1,1'-biphenyl]-3-yl)-3,6dihydro-2,2,6,6-tetramethyl-2H-pyran-3-one (CAS 1312337-48-6); 5-(Acetyloxy)-4-(2´,4'-dichloro-4-cyclopropyl- [1,1'-biphenyl]-3-yl)-3,6-dihydro-2,2,6,6-tetramethyl-2H-pyran-3-one; 5-
- 10 (Acetyloxy)-4-(4'-chloro-4-ethyl-2'-fluoro[1,1'-biphenyl]-3-yl)-3,6-dihydro-2,2,6,6-tetramethyl-2Hpyran-3-one (CAS 1312340-82-1); 5-(Acetyloxy)-4-(2',4'-dichloro-4-ethyl[1,1'-biphenyl]-3-yl)-3,6dihydro-2,2,6,6-tetramethyl-2H-pyran-3-one (CAS 1033760-55-2); 4-(4'-Chloro-4-cyclopropyl-2'fluoro[1,1'-biphenyl]-3-yl)-5,6-dihydro-2,2,6,6-tetramethyl-5-oxo-2H-pyran-3-yl carbonic acid methyl ester (CAS 1312337-51-1); 4-(2',4'-Dichloro -4-cyclopropyl- [1,1'-biphenyl]-3-yl)-5,6-dihydro-
- 15 2,2,6,6-tetramethyl-5-oxo-2H-pyran-3-yl carbonic acid methyl ester; 4-(4'-Chloro-4-ethyl-2'-fluoro[1,1'-biphenyl]-3-yl)-5,6-dihydro-2,2,6,6-tetramethyl-5-oxo-2H-pyran-3-yl carbonic acid methyl ester (CAS 1312340-83-2); 4-(2',4'-Dichloro-4-ethyl[1,1'-biphenyl]-3-yl)-5,6-dihydro-2,2,6,6tetramethyl-5-oxo-2H-pyran-3-yl carbonic acid methyl ester (CAS 1033760-58-5); and non ACC herbicides such as benfuresate, butylate, cycloate, dalapon, dimepiperate, EPTC, esprocarb,
- 20 ethofumesate, flupropanate, molinate, orbencarb, pebulate, prosulfocarb, TCA, thiobencarb, tiocarbazil, triallate and vernolate;

b2) from the group of the ALS inhibitors:

sulfonylureas such as amidosulfuron, azimsulfuron, bensulfuron, bensulfuron-methyl, chlorimuron, chlorimuron-ethyl, chlorsulfuron, cinosulfuron, cyclosulfamuron, ethametsulfuron,

- 25 ethametsulfuron-methyl, ethoxysulfuron, flazasulfuron, flucetosulfuron, flupyrsulfuron, flupyrsulfuron-methyl-sodium, foramsulfuron, halosulfuron, halosulfuron-methyl, imazosulfuron, iodosulfuron, iodosulfuron-methyl-sodium, iofensulfuron, iofensulfuron-sodium, mesosulfuron, metazosulfuron, metsulfuron, metsulfuron-methyl, nicosulfuron, orthosulfamuron, oxasulfuron, primisulfuron, primisulfuron-methyl, propyrisulfuron, prosulfuron, pyrazosulfuron, pyrazosulfuron-
- 30 ethyl, rimsulfuron, sulfometuron, sulfometuron-methyl, sulfosulfuron, thifensulfuron, thifensulfuron-methyl, triasulfuron, tribenuron, tribenuron-methyl, trifloxysulfuron, triflusulfuron, triflusulfuron-methyl and tritosulfuron,

imidazolinones such as imazamethabenz, imazamethabenz-methyl, imazamox, imazapic, imazapyr, imazaquin and imazethapyr, triazolopyrimidine herbicides and sulfonanilides such as

35 cloransulam, cloransulam-methyl, diclosulam, flumetsulam, florasulam, metosulam, penoxsulam, pyrimisulfan and pyroxsulam,

pyrimidinylbenzoates such as bispyribac, bispyribac-sodium, pyribenzoxim, pyriftalid, pyriminobac, pyriminobac-methyl, pyrithiobac, pyrithiobac-sodium, 4-[[[2-[(4,6-dimethoxy-2-pyrimidinyl)oxy]phenyl]methyl]amino]-benzoic acid-1-methylethyl ester (CAS 420138-41-6), 4-[[[2-[(4,6-

 dimethoxy-2-pyrimidinyl)oxy]phenyl]methyl]amino]-benzoic acid propyl ester (CAS 420138-40-5), N-(4-bromophenyl)-2-[(4,6-dimethoxy-2-pyrimidinyl)oxy]benzenemethanamine (CAS 420138-01-8),

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sulfonylaminocarbonyl-triazolinone herbicides such as flucarbazone, flucarbazone-sodium, propoxycarbazone, propoxycarbazone-sodium, thiencarbazone and thiencarbazone-methyl; and triafamone;

among these, a preferred embodiment of the invention relates to those compositions comprising at least one imidazolinone herbicide;

b3) from the group of the photosynthesis inhibitors: amicarbazone, inhibitors of the photosystem II, e.g. 1-(6-tert-butylpyrimidin-4-yl)-2-hydroxy-4methoxy-3-methyl-2H-pyrrol-5-one (CAS 1654744-66-7), 1-(5-tert-butylisoxazol-3-yl)-2-hydroxy-4-methoxy-3-methyl-2H-pyrrol-5-one (CAS 1637455-12-9), 1-(5-tert-butylisoxazol-3-yl)-4-chloro-

- 10 2-hydroxy-3-methyl-2H-pyrrol-5-one (CAS 1637453-94-1), 1-(5-tert-butyl-1-methyl-pyrazol-3-yl)-4-chloro-2-hydroxy-3-methyl-2H-pyrrol-5-one (CAS 1654057-29-0), 1-(5-tert-butyl-1-methyl-pyrazol-3-yl)-3-chloro-2-hydroxy-4-methyl-2H-pyrrol-5-one (CAS 1654747-80-4), 4-hydroxy-1-methoxy-5-methyl-3-[4-(trifluoromethyl)-2-pyridyl]imidazolidin-2-one; (CAS 2023785-78-4), 4-hydroxy-1,5-dimethyl-3-[4-(trifluoromethyl)-2-pyridyl]imidazolidin-2-one (CAS 2023785-79-5), 5-
- ethoxy-4-hydroxy-1-methyl-3-[4-(trifluoromethyl)-2-pyridyl]imidazolidin-2-one (CAS 1701416-69-4), 4-hydroxy-1-methyl-3-[4-(trifluoromethyl)-2-pyridyl]imidazolidin-2-one (CAS 1708087-22-2), 4-hydroxy-1,5-dimethyl-3-[1-methyl-5-(trifluoromethyl)pyrazol-3-yl]imidazolidin-2-one (CAS 2023785-80-8), 1-(5-tert-butylisoxazol-3-yl)-4-ethoxy-5-hydroxy-3-methyl-imidazolidin-2-one (CAS 1844836-64-1), triazine herbicides, including of chlorotriazine, triazinones, triazindiones,
- 20 methylthiotriazines and pyridazinones such as ametryn, atrazine, chloridazone, cyanazine, desmetryn, dimethametryn,hexazinone, metribuzin, prometon, prometryn, propazine, simazine, simetryn, terbumeton, terbuthylazin, terbutryn and trietazin, aryl urea such as chlorobromuron, chlorotoluron, chloroxuron, dimefuron, diuron, fluometuron, isoproturon, isouron, linuron, metamitron, methabenzthiazuron, metobenzuron, metoxuron, monolinuron, neburon, siduron, tebuthi-
- uron and thiadiazuron, phenyl carbamates such as desmedipham, karbutilat, phenmedipham, phenmedipham-ethyl, nitrile herbicides such as bromofenoxim, bromoxynil and its salts and esters, ioxynil and its salts and esters, uraciles such as bromacil, lenacil and terbacil, and benta-zon and bentazon-sodium, pyridate, pyridafol, pentanochlor and propanil and inhibitors of the photosystem I such as diquat, diquat-dibromide, paraquat, paraquat-dichloride and paraquat-
- 30 dimetilsulfate. Among these, a preferred embodiment of the invention relates to those compositions comprising at least one aryl urea herbicide. Among these, likewise a preferred embodiment of the invention relates to those compositions comprising at least one triazine herbicide. Among these, likewise a preferred embodiment of the invention relates to those compositions comprising at least one nitrile herbicide;
- 35 b4) from the group of the protoporphyrinogen-IX oxidase inhibitors: acifluorfen, acifluorfen-sodium, azafenidin, bencarbazone, benzfendizone, bifenox, butafenacil, carfentrazone, carfentrazone-ethyl, chlomethoxyfen, chlorphthalim, cinidon-ethyl, fluazolate, flufenpyr, flufenpyr-ethyl, flumiclorac, flumiclorac-pentyl, flumioxazin, fluoroglycofen, fluoroglycofen-ethyl, fluthiacet, fluthiacet-methyl, fomesafen, halosafen, lactofen, oxadiargyl, oxadiazon,
- oxyfluorfen, pentoxazone, profluazol, pyraclonil, pyraflufen, pyraflufen-ethyl, saflufenacil, sulfentrazone, thidiazimin, tiafenacil, trifludimoxazin, ethyl [3-[2-chloro-4-fluoro-5-(1-methyl-6-trifluoromethyl-2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-2-pyridyloxy]acetate (CAS 353292-31-6; S-3100), N-ethyl-3-(2,6-dichloro-4-trifluoromethylphenoxy)-5-methyl-1*H*-pyrazole-1-carboxamide (CAS 452098-92-9), N-tetrahydrofurfuryl-3-(2,6-dichloro-4-trifluoromethylphenoxy)-5-

methyl-1*H*-pyrazole-1-carboxamide (CAS 915396-43-9), N-ethyl-3-(2-chloro-6-fluoro-4-trifluoromethylphenoxy)-5-methyl-1*H*-pyrazole-1-carboxamide (CAS 452099-05-7), N-tetrahydrofurfuryl-3-(2-chloro-6-fluoro-4-trifluoromethylphenoxy)-5-methyl-1*H*-pyrazole-1-carboxamide (CAS 452100-03-7), 3-[7-fluoro-3-oxo-4-(prop-2-ynyl)-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl]-1,5-dime-

- 5 thyl-6-thioxo-[1,3,5]triazinan-2,4-dione (CAS 451484-50-7), 2-(2,2,7-trifluoro-3-oxo-4-prop-2-ynyl-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl)-4,5,6,7-tetrahydro-isoindole-1,3-dione (CAS 1300118-96-0), 1-methyl-6-trifluoromethyl-3-(2,2,7-trifluoro-3-oxo-4-prop-2-ynyl-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl)-1H-pyrimidine-2,4-dione (CAS 1304113-05-0), methyl (*E*)-4-[2-chloro-5-[4-chloro-5-(difluoromethoxy)-1*H*-methyl-pyrazol-3-yl]-4-fluoro-phenoxy]-3-methoxy-but-2-eno-
- 10 ate (CAS 948893-00-3), and 3-[7-chloro-5-fluoro-2-(trifluoromethyl)-1H-benzimidazol-4-yl]-1-methyl-6-(trifluoromethyl)-1H-pyrimidine-2,4-dione (CAS 212754-02-4);

b5) from the group of the bleacher herbicides:

PDS inhibitors: beflubutamid, diflufenican, fluridone, flurochloridone, flurtamone, norflurazon, picolinafen, and 4-(3-trifluoromethylphenoxy)-2-(4-trifluoromethylphenyl)pyrimidine (CAS

- 15 180608-33-7), HPPD inhibitors: benzobicyclon, benzofenap, bicyclopyrone, clomazone, fenquinotrione, isoxaflutole, mesotrione, oxotrione (CAS 1486617-21-3), pyrasulfotole, pyrazolynate, pyrazoxyfen, sulcotrione, tefuryltrione, tembotrione, tolpyralate, topramezone, bleacher, unknown target: aclonifen, amitrole flumeturon,2-chloro-3-methylsulfanyl-N-(1-methyltetrazol-5yl)-4-(trifluoromethyl)benzamide (CAS 1361139-71-0), 2-(2,4-dichlorophenyl)methyl-4,4-dime-
- 20 thyl-3-isoxazolidone (CAS 81777-95-9) and 2-(2,5-dichlorophenyl)methyl-4,4-dimethyl-3-isoxazolidinone (CAS 81778-66-7);

b6) from the group of the EPSP synthase inhibitors: glyphosate, glyphosate-isopropylammonium, glyposate-potassium and glyphosate-trimesium (sulfosate);

b7) from the group of the glutamine synthase inhibitors: bilanaphos (bialaphos), bilanaphossodium, glufosinate, glufosinate-P and glufosinate-ammonium;

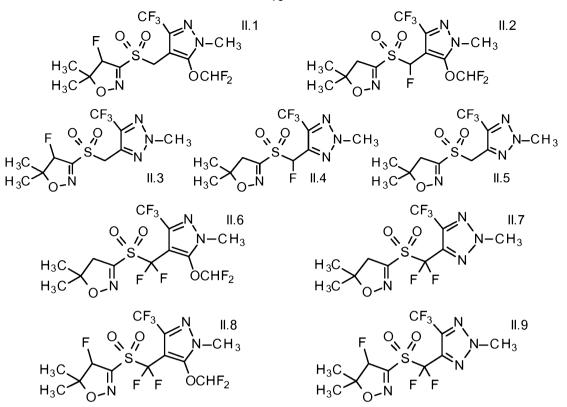
- b8) from the group of the DHP synthase inhibitors: asulam;
 - b9) from the group of the mitosis inhibitors:

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compounds of group K1: dinitroanilines such as benfluralin, butralin, dinitramine, ethalfluralin, fluchloralin, oryzalin, pendimethalin, prodiamine and trifluralin, phosphoramidates such as ami-

- 30 prophos, amiprophos-methyl, and butamiphos, benzoic acid herbicides such as chlorthal, chlorthal-dimethyl, pyridines such as dithiopyr and thiazopyr, benzamides such as propyzamide and tebutam; compounds of group K2: carbetamide, chlorpropham, flamprop, flamprop-isopropyl, flamprop-methyl, flamprop-M-isopropyl, flamprop-M-methyl and propham; among these, compounds of group K1, in particular dinitroanilines are preferred;
- 35 b10) from the group of the VLCFA inhibitors: chloroacetamides such as acetochlor, alachlor, amidochlor, butachlor, dimethachlor, dimethenamid, dimethenamid-P, metazachlor, metolachlor, metolachlor-S, pethoxamid, pretilachlor, propachlor, propisochlor and thenylchlor, oxyacetanilides such as flufenacet and mefenacet, acetanilides such as diphenamid, naproanilide, napropamide and napropamide-M, tetrazolinones
- such fentrazamide, and other herbicides such as anilofos, cafenstrole, fenoxasulfone, ipfencarbazone, piperophos, pyroxasulfone and isoxazoline compounds of the formulae II.1, II.2, II.3, II.4, II.5, II.6, II.7, II.8 and II.9

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- the isoxazoline compounds of the formula (II) are known in the art, e.g. from WO
 2006/024820, WO 2006/037945, WO 2007/071900 and WO 2007/096576;
 among the VLCFA inhibitors, preference is given to chloroacetamides and oxyacetamides;
 b11) from the group of the cellulose biosynthesis inhibitors: chlorthiamid, dichlobenil,
 flupoxam, indaziflam, isoxaben, triaziflam and 1-cyclohexyl-5-pentafluorphenyloxy-1⁴-
- [1,2,4,6]thiatriazin-3-ylamine (CAS 175899-01-1);
 b12) from the group of the decoupler herbicides: dinoseb, dinoterb and DNOC and its salts;
 b13) from the group of the auxinic herbicides:

2,4-D and its salts and esters such as clacyfos, 2,4-DB and its salts and esters, aminocyclopyrachlor and its salts and esters, aminopyralid and its salts such as aminopyralid-dimethylammo-

- 15 nium, aminopyralid-tris(2-hydroxypropyl)ammonium and its esters, benazolin, benazolin-ethyl, chloramben and its salts and esters, clomeprop, clopyralid and its salts and esters, dicamba and its salts and esters, dichlorprop and its salts and esters, dichlorprop-P and its salts and esters, flopyrauxifen, fluroxypyr, fluroxypyr-butometyl, fluroxypyr-meptyl, halauxifen and its salts and esters (CAS 943832-60-8); MCPA and its salts and esters, MCPA-thioethyl, MCPB and its salts
- 20 and esters, mecoprop and its salts and esters, mecoprop-P and its salts and esters, picloram and its salts and esters, quinclorac, quinmerac, TBA (2,3,6) and its salts and esters, triclopyr and its salts and esters, florpyrauxifen, florpyrauxifen-benzyl (CAS 1390661-72-9) and 4-amino-3-chloro-5-fluoro-6-(7-fluoro-1H-indol-6-yl)picolinic acid (CAS 1629965-65-6);

b14) from the group of the auxin transport inhibitors: diflufenzopyr, diflufenzopyr-sodium, naptalam and naptalam-sodium;

b15) from the group of the other herbicides: bromobutide, chlorflurenol, chlorflurenol-methyl, cinmethylin, cumyluron, cyclopyrimorate (CAS 499223-49-3 and its salts and esters, dalapon, dazomet, difenzoquat, difenzoquat-metilsulfate, dimethipin, DSMA, dymron, endothal and its salts, etobenzanid, flurenol, flurenol-butyl, flurprimidol, fosamine, fosamine-ammonium, inda-

nofan, maleic hydrazide, mefluidide, metam, methiozolin (CAS 403640-27-7), methyl azide, methyl bromide, methyl-dymron, methyl iodide, MSMA, oleic acid, oxaziclomefone, pelargonic acid, pyributicarb, quinoclamine and tridiphane.

Preferred herbicides B that can be used in combination with the pyrimidine compounds of the formula (I) according to the present invention are:

- formula (I) according to the present invention are:
 b1) from the group of the lipid biosynthesis inhibitors:
 clethodim, clodinafop-propargyl, cycloxydim, cyhalofop-butyl, diclofop-methyl, fenoxaprop-P ethyl, fluazifop-P-butyl, haloxyfop-P-methyl, metamifop, pinoxaden, profoxydim, propaquizafop,
 quizalofop-P-ethyl, quizalofop-P-tefuryl, sethoxydim, tepraloxydim, tralkoxydim, 4-(4'-Chloro-4-
- 10 cyclopropyl-2'-fluoro[1,1'-biphenyl]-3-yl)-5-hydroxy-2,2,6,6-tetramethyl-2H-pyran-3(6H)-one (CAS 1312337-72-6); 4-(2',4'-Dichloro-4-cyclopropyl[1,1'-biphenyl]-3-yl)-5-hydroxy-2,2,6,6-tetramethyl-2H-pyran-3(6H)-one (CAS 1312337-45-3); 4-(4'-Chloro-4-ethyl-2'-fluoro[1,1'-biphenyl]-3yl)-5-hydroxy-2,2,6,6-tetramethyl-2H-pyran-3(6H)-one (CAS 1033757-93-5); 4-(2',4'-Dichloro-4ethyl[1,1'-biphenyl]-3-yl)-2,2,6,6-tetramethyl-2H-pyran-3,5(4H,6H)-dione (CAS 1312340-84-3);
- 15 5-(Acetyloxy)-4-(4'-chloro-4-cyclopropyl-2'-fluoro[1,1'-biphenyl]-3-yl)-3,6-dihydro-2,2,6,6-tetramethyl-2H-pyran-3-one (CAS 1312337-48-6); 5-(Acetyloxy)-4-(2´,4'-dichloro-4-cyclopropyl- [1,1'biphenyl]-3-yl)-3,6-dihydro-2,2,6,6-tetramethyl-2H-pyran-3-one; 5-(Acetyloxy)-4-(4'-chloro-4ethyl-2'-fluoro[1,1'-biphenyl]-3-yl)-3,6-dihydro-2,2,6,6-tetramethyl-2H-pyran-3-one (CAS 1312340-82-1); 5-(Acetyloxy)-4-(2',4'-dichloro-4-ethyl[1,1'-biphenyl]-3-yl)-3,6-dihydro-2,2,6,6-
- 20 tetramethyl-2H-pyran-3-one (CAS 1033760-55-2); 4-(4'-Chloro-4-cyclopropyl-2'-fluoro[1,1'-bi-phenyl]-3-yl)-5,6-dihydro-2,2,6,6-tetramethyl-5-oxo-2H-pyran-3-yl carbonic acid methyl ester (CAS 1312337-51-1); 4-(2´,4'-Dichloro -4-cyclopropyl- [1,1'-biphenyl]-3-yl)-5,6-dihydro-2,2,6,6-tetramethyl ester; 4-(4'-Chloro-4-ethyl-2'-fluoro[1,1'-biphenyl]-3-yl)-5,6-dihydro-2,2,6,6-tetramethyl-5-oxo-2H-pyran-3-yl carbonic acid methyl ester
- 25 (CAS 1312340-83-2); 4-(2',4'-Dichloro-4-ethyl[1,1'-biphenyl]-3-yl)-5,6-dihydro-2,2,6,6-tetramethyl-5-oxo-2H-pyran-3-yl carbonic acid methyl ester (CAS 1033760-58-5); benfuresate, dimepiperate, EPTC, esprocarb, ethofumesate, molinate, orbencarb, prosulfocarb, thiobencarb and triallate;

b2) from the group of the ALS inhibitors:

- 30 amidosulfuron, azimsulfuron, bensulfuron-methyl, bispyribac-sodium, chlorimuron-ethyl, chlorsulfuron, cloransulam-methyl, cyclosulfamuron, diclosulam, ethametsulfuron-methyl, ethoxysulfuron, flazasulfuron, florasulam, flucarbazone-sodium, flucetosulfuron, flumetsulam, flupyrsulfuron-methyl-sodium, foramsulfuron, halosulfuron-methyl, imazamethabenz-methyl, imazamox, imazapic, imazapyr, imazaquin, imazethapyr, imazosulfuron, iodosulfuron, iodosulfuron-methyl-
- 35 sodium, iofensulfuron, iofensulfuron-sodium, mesosulfuron, metazosulfuron, metosulam, metsulfuron-methyl, nicosulfuron, orthosulfamuron, oxasulfuron, penoxsulam, primisulfuron-methyl, propoxycarbazon-sodium, propyrisulfuron, prosulfuron, pyrazosulfuron-ethyl, pyribenzoxim, pyrimisulfan, pyriftalid, pyriminobac-methyl, pyrithiobac-sodium, pyroxsulam, rimsulfuron, sulfometuron-methyl, sulfosulfuron, thiencarbazone-methyl, thifensulfuron-methyl, triasulfuron, tribenu-
- 40 ron-methyl, trifloxysulfuron, triflusulfuron-methyl, tritosulfuron and triafamone;

b3) from the group of the photosynthesis inhibitors:

ametryn, amicarbazone, atrazine, bentazone, bentazone-sodium, bromoxynil and its salts and esters, chloridazone, chlorotoluron, cyanazine, desmedipham, diquat-dibromide, diuron, fluometuron, hexazinone, ioxynil and its salts and esters, isoproturon, lenacil, linuron, metamitron,

methabenzthiazuron, metribuzin, paraquat, paraquat-dichloride, phenmedipham, propanil, pyridate, simazine, terbutryn, terbuthylazine, thidiazuron, 1-(6-tert-butylpyrimidin-4-yl)-2-hydroxy-4methoxy-3-methyl-2H-pyrrol-5-one (CAS 1654744-66-7), 1-(5-tert-butylisoxazol-3-yl)-2-hydroxy-4-methoxy-3-methyl-2H-pyrrol-5-one (CAS 1637455-12-9), 1-(5-tert-butylisoxazol-3-yl)-4-chloro-

- 5 2-hydroxy-3-methyl-2H-pyrrol-5-one (CAS 1637453-94-1), 1-(5-tert-butyl-1-methyl-pyrazol-3-yl)-4-chloro-2-hydroxy-3-methyl-2H-pyrrol-5-one (CAS 1654057-29-0), 1-(5-tert-butyl-1-methyl-pyrazol-3-yl)-3-chloro-2-hydroxy-4-methyl-2H-pyrrol-5-one (CAS 1654747-80-4), 4-hydroxy-1methoxy-5-methyl-3-[4-(trifluoromethyl)-2-pyridyl]imidazolidin-2-one; (CAS 2023785-78-4), 4hydroxy-1,5-dimethyl-3-[4-(trifluoromethyl)-2-pyridyl]imidazolidin-2-one (CAS 2023785-79-5), 5-
- ethoxy-4-hydroxy-1-methyl-3-[4-(trifluoromethyl)-2-pyridyl]imidazolidin-2-one (CAS 1701416-69-4), 4-hydroxy-1-methyl-3-[4-(trifluoromethyl)-2-pyridyl]imidazolidin-2-one (CAS 1708087-22-2), 4-hydroxy-1,5-dimethyl-3-[1-methyl-5-(trifluoromethyl)pyrazol-3-yl]imidazolidin-2-one (CAS 2023785-80-8) and 1-(5-tert-butylisoxazol-3-yl)-4-ethoxy-5-hydroxy-3-methyl-imidazolidin-2-one (CAS 1844836-64-1);
- 15 b4) from the group of the protoporphyrinogen-IX oxidase inhibitors: acifluorfen-sodium, bencarbazone, benzfendizone, butafenacil, carfentrazone-ethyl, cinidonethyl, flufenpyr-ethyl, flumiclorac-pentyl, flumioxazin, fluoroglycofen-ethyl, fomesafen, lactofen, oxadiargyl, oxadiazon, oxyfluorfen, pentoxazone, pyraflufen, pyraflufen-ethyl, saflufenacil, sulfentrazone, tiafenacil, trifludimoxazin, ethyl [3-[2-chloro-4-fluoro-5-(1-methyl-6-trifluoromethyl-
- 25 ro-6-fluoro-4-trifluoromethylphenoxy)-5-methyl-1*H*-pyrazole-1-carboxamide (CAS 452100-03-7), 3-[7-fluoro-3-oxo-4-(prop-2-ynyl)-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl]-1,5-dimethyl-6-thioxo-[1,3,5]triazinan-2,4-dione (CAS 451484-50-7), 2-(2,2,7-trifluoro-3-oxo-4-prop-2-ynyl-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl)-4,5,6,7-tetrahydro-isoindole-1,3-dione (CAS 1300118-96-0);1methyl-6-trifluoromethyl-3-(2,2,7-trifluoro-3-oxo-4-prop-2-ynyl-3,4-dihydro-2H-benzo[1,4]oxazin-
- 6-yl)-1H-pyrimidine-2,4-dione (CAS 1304113-05-0), and 3-[7-chloro-5-fluoro-2-(trifluoromethyl) 1H-benzimidazol-4-yl]-1-methyl-6-(trifluoromethyl)-1H-pyrimidine-2,4-dione (CAS 212754-02-4);
 b5) from the group of the bleacher herbicides:
 aclonifen, amitrole, beflubutamid, benzobicyclon, bicyclopyrone, clomazone, diflufenican,
- fenquinotrione, flumeturon, flurochloridone, flurtamone, isoxaflutole, mesotrione, oxotrione (CAS
 1486617-21-3), norflurazon, picolinafen, pyrasulfotole, pyrazolynate, sulcotrione, tefuryltrione, tembotrione, tolpyralate, topramezone, 4-(3-trifluoromethylphenoxy)-2-(4-trifluoromethylphenyl)-pyrimidine (CAS 180608-33-7), 2-chloro-3-methylsulfanyl-N-(1-methyltetrazol-5-yl)-4-(trifluoromethyl)benzamide (CAS 1361139-71-0, 2-(2,4-dichlorophenyl)methyl-4,4-dimethyl-3-isoxazolidone (CAS 81777-95-9) and 2-(2,5-dichlorophenyl)methyl-4,4-dimethyl-3-isoxazolidinone (CAS
- 40 81778-66-7);

b6) from the group of the EPSP synthase inhibitors:

glyphosate, glyphosate-isopropylammonium, glyphosate-potassium and glyphosate-trimesium (sulfosate);

b7) from the group of the glutamine synthase inhibitors:

glufosinate, glufosinate-P, glufosinate-ammonium;

b8) from the group of the DHP synthase inhibitors: asulam;

b9) from the group of the mitosis inhibitors:

benfluralin, dithiopyr, ethalfluralin, flamprop, flamprop-isopropyl, flamprop-methyl, flamprop-M-

5 isopropyl, flamprop-M-methyl, oryzalin, pendimethalin, thiazopyr and trifluralin; b10) from the group of the VLCFA inhibitors: acetochlor, alachlor, amidochlor, anilofos, butachlor, cafenstrole, dimethenamid, dimethenamid-P, fentrazamide, flufenacet, mefenacet, metazachlor, metolachlor, S-metolachlor, naproanilide, napropamide, napropamide-M, pretilachlor, fenoxasulfone, ipfencarbazone, pyroxasulfone thenylchlor and isoxazoline-compounds of the

formulae II.1, II.2, II.3, II.4, II.5, II.6, II.7, II.8 and II.9 as mentioned above;
 b11) from the group of the cellulose biosynthesis inhibitors: dichlobenil, flupoxam, indaziflam, isoxaben, triaziflam and 1-cyclohexyl-5-pentafluorphenyloxy-1⁴-[1,2,4,6]thiatriazin-3-ylamine (CAS 175899-01-1);

b13) from the group of the auxinic herbicides:

- 15 2,4-D and its salts and esters, aminocyclopyrachlor and its salts and esters, aminopyralid and its salts such as aminopyralid-dimethylammonium, aminopyralid-tris(2-hydroxypropyl)ammonium and its esters, clopyralid and its salts and esters, dicamba and its salts and esters, dichlorprop-P and its salts and esters, flopyrauxifen, fluroxypyr-meptyl, halauxifen and its salts and esters (CAS 943832-60-8), MCPA and its salts and esters, MCPB and its salts and esters,
- 20 mecoprop-P and its salts and esters, picloram and its salts and esters, quinclorac, quinmerac, triclopyr and its salts and esters, florpyrauxifen, florpyrauxifen-benzyl (CAS 1390661-72-9) and 4-amino-3-chloro-5-fluoro-6-(7-fluoro-1H-indol-6-yl)picolinic acid (CAS 1629965-65-6); b14) from the group of the auxin transport inhibitors: diflufenzopyr and diflufenzopyr-sodium; b15) from the group of the other herbicides: bromobutide, cinmethylin, cumyluron, cyclopy-
- rimorate (CAS 499223-49-3) and its salts and esters, dalapon, difenzoquat, difenzoquatmetilsulfate, DSMA, dymron (= daimuron), indanofan, metam, methylbromide, MSMA, oxaziclomefone, pyributicarb and tridiphane.

Particularly preferred herbicides B that can be used in combination with the pyrimidine compounds of the formula (I) according to the present invention are:

- 30 b1) from the group of the lipid biosynthesis inhibitors: clodinafop-propargyl, cycloxydim, cyhalofop-butyl, fenoxaprop-P-ethyl, pinoxaden, profoxydim, tepraloxydim, tralkoxydim, 4-(4'-Chloro-4-cyclopropyl-2'-fluoro[1,1'-biphenyl]-3-yl)-5-hydroxy-2,2,6,6-tetramethyl-2H-pyran-3(6H)-one (CAS 1312337-72-6); 4-(2',4'-Dichloro-4-cyclopropyl[1,1'-biphenyl]-3-yl)-5-hydroxy-2,2,6,6-tetramethyl-2H-pyran-3(6H)-one (CAS 1312337-45-3); 4-(4'-Chloro-4-ethyl-2'-fluoro[1,1'-biphenyl]-3-
- 35 yl)-5-hydroxy-2,2,6,6-tetramethyl-2H-pyran-3(6H)-one (CAS 1033757-93-5); 4-(2',4'-Dichloro-4ethyl[1,1'-biphenyl]-3-yl)-2,2,6,6-tetramethyl-2H-pyran-3,5(4H,6H)-dione (CAS 1312340-84-3);
 5-(Acetyloxy)-4-(4'-chloro-4-cyclopropyl-2'-fluoro[1,1'-biphenyl]-3-yl)-3,6-dihydro-2,2,6,6-tetramethyl-2H-pyran-3-one (CAS 1312337-48-6); 5-(Acetyloxy)-4-(2´,4'-dichloro-4-cyclopropyl- [1,1'biphenyl]-3-yl)-3,6-dihydro-2,2,6,6-tetramethyl-2H-pyran-3-one; 5-(Acetyloxy)-4-(4'-chloro-4-
- ethyl-2'-fluoro[1,1'-biphenyl]-3-yl)-3,6-dihydro-2,2,6,6-tetramethyl-2H-pyran-3-one (CAS 1312340-82-1); 5-(Acetyloxy)-4-(2',4'-dichloro-4-ethyl[1,1'-biphenyl]-3-yl)-3,6-dihydro-2,2,6,6-tetramethyl-2H-pyran-3-one (CAS 1033760-55-2); 4-(4'-Chloro-4-cyclopropyl-2'-fluoro[1,1'-biphenyl]-3-yl)-5,6-dihydro-2,2,6,6-tetramethyl-5-oxo-2H-pyran-3-yl carbonic acid methyl ester (CAS 1312337-51-1); 4-(2´,4'-Dichloro -4-cyclopropyl- [1,1'-biphenyl]-3-yl)-5,6-dihydro-2,2,6,6-

tetramethyl-5-oxo-2H-pyran-3-yl carbonic acid methyl ester; 4-(4'-Chloro-4-ethyl-2'-fluoro[1,1'biphenyl]-3-yl)-5,6-dihydro-2,2,6,6-tetramethyl-5-oxo-2H-pyran-3-yl carbonic acid methyl ester (CAS 1312340-83-2); 4-(2',4'-Dichloro-4-ethyl[1,1'-biphenyl]-3-yl)-5,6-dihydro-2,2,6,6-tetramethyl-5-oxo-2H-pyran-3-yl carbonic acid methyl ester (CAS 1033760-58-5); esprocarb, prosulfacerb, thickpaperb and triallate;

5 focarb, thiobencarb and triallate;

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b2) from the group of the ALS inhibitors: bensulfuron-methyl, bispyribac-sodium, cyclosulfamuron, diclosulam, flumetsulam, flupyrsulfuron-methyl-sodium, foramsulfuron, imazamox, imazapic, imazapyr, imazaquin, imazethapyr, imazosulfuron, iodosulfuron, iodosulfuron-methyl-sodium, iofensulfuron, iofensulfuron-sodium, mesosulfuron, metazosulfuron, nicosulfuron, penoxsu-

10 lam, propoxycarbazon-sodium, propyrisulfuron, pyrazosulfuron-ethyl, pyroxsulam, rimsulfuron, sulfosulfuron, thiencarbazon-methyl, tritosulfuron and triafamone;

b3) from the group of the photosynthesis inhibitors: ametryn, atrazine, diuron, fluometuron, hexazinone, isoproturon, linuron, metribuzin, paraquat, paraquat-dichloride, propanil, terbutryn, terbuthylazine, 1-(5-tert-butylisoxazol-3-yl)-2-hydroxy-4-methoxy-3-methyl-2H-pyrrol-5-one

15 (CAS 1637455-12-9), 1-(5-tert-butylisoxazol-3-yl)-4-chloro-2-hydroxy-3-methyl-2H-pyrrol-5-one (CAS 1637453-94-1), 1-(5-tert-butylisoxazol-3-yl)-4-ethoxy-5-hydroxy-3-methyl-imidazolidin-2one (CAS 1844836-64-1);

b4) from the group of the protoporphyrinogen-IX oxidase inhibitors: flumioxazin, oxyfluorfen, pyraflufen, pyraflufen-ethyl, saflufenacil, sulfentrazone, trifludimoxazin, ethyl [3-[2-chloro-4-flu-

- 20 oro-5-(1-methyl-6-trifluoromethyl-2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-2-pyridyloxy]acetate (CAS 353292-31-6; S-3100, 3-[7-fluoro-3-oxo-4-(prop-2-ynyl)-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl]-1,5-dimethyl-6-thioxo-[1,3,5]triazinan-2,4-dione (CAS 451484-50-7), 2-(2,2,7trifluoro-3-oxo-4-prop-2-ynyl-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl)-4,5,6,7-tetrahydro-isoindole-1,3-dione (CAS 1300118-96-0), and 1-methyl-6-trifluoromethyl-3-(2,2,7-trifluoro-3-oxo-4-prop-2-
- ynyl-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl)-1H-pyrimidine-2,4-dione (CAS 1304113-05-0);
 b5) from the group of the bleacher herbicides: amitrole, bicyclopyrone, clomazone, diflufenican, fenquinotrione, flumeturon, flurochloridone, isoxaflutole, mesotrione, oxotrione (CAS 1486617-21-3), picolinafen, sulcotrione, tefuryltrione, tembotrione, tolpyralate, topramezone, 2chloro-3-methylsulfanyl-N-(1-methyltetrazol-5-yl)-4-(trifluoromethyl)benzamide (CAS 1361139-
- 71-0), 2-(2,4-dichlorophenyl)methyl-4,4-dimethyl-3-isoxazolidone (CAS 81777-95-9); and 2-(2,5-dichlorophenyl)methyl-4,4-dimethyl-3-isoxazolidinone (CAS 81778-66-7);
 b6) from the group of the EPSP synthase inhibitors: glyphosate, glyphosate-isopropylammonium and glyphosate-trimesium (sulfosate);

b7) from the group of the glutamine synthase inhibitors: glufosinate, glufosinate-P and glufosinate-ammonium;

b9) from the group of the mitosis inhibitors: pendimethalin and trifluralin;

b10) from the group of the VLCFA inhibitors: acetochlor, cafenstrole, dimethenamid-P, fentrazamide, flufenacet, mefenacet, metazachlor, metolachlor, S-metolachlor, fenoxasulfone, ipfencarbazone and pyroxasulfone; likewise, preference is given to isoxazoline compounds of the formulae II.1, II.2, II.3, II.4, II.5, II.6, II.7, II.8 and II.9 as mentioned above;

b11) from the group of the cellulose biosynthesis inhibitors: indaziflam, isoxaben and triaziflam;

b13) from the group of the auxinic herbicides: 2,4-D and its salts and esters such as clacyfos, and aminocyclopyrachlor and its salts and esters, aminopyralid and its salts and its esters,

clopyralid and its salts and esters, dicamba and its salts and esters, flopyrauxifen, fluroxypyrmeptyl, halauxifen, halauxifen-methyl, quinclorac, quinmerac, florpyrauxifen, florpyrauxifen-benzyl (CAS 1390661-72-9) and 4-amino-3-chloro-5-fluoro-6-(7-fluoro-1H-indol-6-yl)picolinic acid (CAS 1629965-65-6);

5 b14) from the group of the auxin transport inhibitors: diflufenzopyr and diflufenzopyr-sodium, b15) from the group of the other herbicides: cinmethylin, dymon (= daimuron), indanofan, oxaziclomefone.

Particularly preferred herbicides B are the herbicides B as defined above; in particular, the herbicides B.1 - B.202 listed below in table B:

10 Table B:

B.1clethodimB.2clodinafop-propargylB.3cycloxydimB.4cyhalofop-butylB.5fenoxaprop-ethylB.6fenoxaprop-P-ethylB.7metamifopB.8pinoxadenB.9profoxydimB.10sethoxydimB.11tepraloxydimB.12tralkoxydimB.13esprocarbB.14ethofumesateB.15molinateB.16prosulfocarbB.17thiobencarbB.18triallateB.19bensulfuron-methylB.20bispyribac-sodiumB.21cloransulam-methylB.22chlorsulfuronB.23diclosulamB.24cyclosulfamuronB.25flumetsulamB.26florasulamB.27flumetsulamB.28imazamox-ammoniumB.30imazamoxB.31imazapic-ammoniumB.32imazapic-ammoniumB.33imazapyr-slopropylammoniumB.34imazapyr-slopropylammoniumB.35imazaquin-ammoniumB.36imazaquin-ammoniumB.37imazaquin-ammoniumB.38imazaquin-ammoniumB.39imazaquin-ammoniumB.34imazaquin-ammonium		
B.2clodinafop-propargylB.3cycloxydimB.4cyhalofop-butylB.5fenoxaprop-ethylB.6fenoxaprop-P-ethylB.7metamifopB.8pinoxadenB.9profoxydimB.10sethoxydimB.11tepraloxydimB.12tralkoxydimB.13esprocarbB.14ethofumesateB.15molinateB.16prosulfocarbB.17thiobencarbB.18triallateB.19bensulfuron-methylB.20bispyribac-sodiumB.21cloransulam-methylB.22chlorsulfamuronB.23clorimuronB.24cyclosulfamuronB.25diclosulamB.26florasulamB.27flumetsulamB.28flupyrsulfuron-methyl-sodiumB.29foramsulfuronB.30imazamox-ammoniumB.31imazapic-isopropylammoniumB.33imazapic-isopropylammoniumB.34imazapyr-ammoniumB.35imazaquin-ammoniumB.36imazaquin-ammoniumB.37imazaquin-ammoniumB.38imazaquin-ammoniumB.39imazaquin-ammoniumB.34imazaquin-ammonium	В	Herbicide B
B.3 cycloxydim B.4 cyhalofop-butyl B.5 fenoxaprop-ethyl B.6 fenoxaprop-P-ethyl B.7 metamifop B.8 pinoxaden B.9 profoxydim B.10 sethoxydim B.11 tepraloxydim B.12 tralkoxydim B.13 esprocarb B.14 ethofumesate B.15 molinate B.16 prosulfocarb B.17 thiobencarb B.18 triallate B.19 bensulfuron-methyl B.20 bispyribac-sodium B.21 cloransulam-methyl B.22 chlorsulfamuron B.23 clorimuron B.24 cyclosulfamuron B.25 diclosulam B.26 florasulam B.27 flumetsulam B.28 flupyrsulfuron-methyl-sodium B.29 foramsulfuron B.30 imazamox-ammonium B.32		
B.4 cyhalofop-butyl B.5 fenoxaprop-ethyl B.6 fenoxaprop-P-ethyl B.7 metamifop B.8 pinoxaden B.9 profoxydim B.10 sethoxydim B.11 tepraloxydim B.12 tralkoxydim B.13 esprocarb B.14 ethofumesate B.15 molinate B.16 prosulfocarb B.17 thiobencarb B.18 triallate B.19 bensulfuron-methyl B.20 bispyribac-sodium B.21 cloransulam-methyl B.22 chlorsulfuron B.23 clorimuron B.24 cyclosulfamuron B.25 diclosulam B.26 florasulam B.27 flumetsulam B.28 flupyrsulfuron-methyl-sodium B.29 foramsulfuron B.20 imazamox-ammonium B.21 imazapic-isopropylammonium		
B.5fenoxaprop-ethylB.6fenoxaprop-P-ethylB.7metamifopB.8pinoxadenB.9profoxydimB.10sethoxydimB.11tepraloxydimB.12tralkoxydimB.13esprocarbB.14ethofumesateB.15molinateB.16prosulfocarbB.17thiobencarbB.18triallateB.19bensulfuron-methylB.20bispyribac-sodiumB.21cloransulam-methylB.22chlorsulfuronB.23clorimuronB.24cyclosulfamuronB.25diclosulamB.26florasulamB.27flumetsulamB.28flupyrsulfuron-methyl-sodiumB.29oramsulfuronB.30imazamox-ammoniumB.31imazapic-aspropylammoniumB.33imazapic-sopropylammoniumB.34imazapyr-aspropylammoniumB.35imazaquin-ammoniumB.36imazaquin-ammoniumB.37imazaquin-ammoniumB.38imazaquin-ammonium		• •
B.6 fenoxaprop-P-ethyl B.7 metamifop B.8 pinoxaden B.9 profoxydim B.10 sethoxydim B.11 tepraloxydim B.12 tralkoxydim B.13 esprocarb B.14 ethofumesate B.15 molinate B.16 prosulfocarb B.17 thiobencarb B.18 triallate B.19 bensulfuron-methyl B.20 bispyribac-sodium B.21 cloransulam-methyl B.22 chlorsulfuron B.23 clorimuron B.24 cyclosulfamuron B.25 diclosulam B.26 florasulam B.27 flumetsulam B.28 flupyrsulfuron-methyl-sodium B.29 foramsulfuron B.30 imazamox-ammonium B.31 imazamox-ammonium B.32 imazapyr-ammonium B.33 imazapyr-isopropylammonium		cyhalofop-butyl
B.7metamifopB.8pinoxadenB.9profoxydimB.10sethoxydimB.11tepraloxydimB.12tralkoxydimB.13esprocarbB.14ethofumesateB.15molinateB.16prosulfocarbB.17thiobencarbB.18triallateB.19bensulfuron-methylB.20bispyribac-sodiumB.21cloransulam-methylB.22chlorsulfuronB.23clorimuronB.24cyclosulfamuronB.25diclosulamB.26florasulamB.27flumetsulamB.28flupyrsulfuron-methyl-sodiumB.29foramsulfuronB.30imazamoxB.31imazamoxB.33imazamoxB.34imazapic-isopropylammoniumB.35imazapyr-isopropylammoniumB.36imazaquin-ammoniumB.37imazaquin-ammoniumB.38imazaquin-ammoniumB.39imazaquin-ammoniumB.34imazaquin-ammoniumB.35imazaquin-ammoniumB.36imazaquin-ammoniumB.37imazaquin-ammoniumB.38imazaquin-ammoniumB.39imazaquin-ammonium		fenoxaprop-ethyl
B.8pinoxadenB.9profoxydimB.10sethoxydimB.11tepraloxydimB.12tralkoxydimB.13esprocarbB.14ethofumesateB.15molinateB.16prosulfocarbB.17thiobencarbB.18triallateB.19bensulfuron-methylB.20bispyribac-sodiumB.21cloransulam-methylB.22chlorsulfuronB.23clorimuronB.24cyclosulfamuronB.25diclosulamB.26florasulamB.27flumetsulamB.28flupyrsulfuron-methyl-sodiumB.29foramsulfuronB.30imazamoxB.31imazamoxB.33imazamoxB.34imazapic-isopropylammoniumB.35imazapyr-isopropylammoniumB.36imazaquin-ammoniumB.39imazaquin-ammoniumB.39imazaquin-ammoniumB.34imazapyr-isopropylammoniumB.35imazaquin-ammoniumB.36imazaquin-ammoniumB.37imazaquin-ammoniumB.38imazaquin-ammoniumB.39imazaquin-ammonium	B.6	fenoxaprop-P-ethyl
B.9profoxydimB.10sethoxydimB.11tepraloxydimB.12tralkoxydimB.13esprocarbB.14ethofumesateB.15molinateB.16prosulfocarbB.17thiobencarbB.18triallateB.19bensulfuron-methylB.20bispyribac-sodiumB.21cloransulam-methylB.22chlorsulfuronB.23clorimuronB.24cyclosulfamuronB.25diclosulamB.26florasulamB.27flumetsulamB.28flupyrsulfuron-methyl-sodiumB.29foramsulfuronB.30imazamox-ammoniumB.31imazapic-isopropylammoniumB.33imazapyr-isopropylammoniumB.34imazaquin-ammoniumB.35imazaquin-ammoniumB.36imazaquin-ammoniumB.37imazaquin-ammoniumB.38imazaquin-ammoniumB.39imazaquin-ammoniumB.34imazaquin-ammoniumB.35imazaquin-ammoniumB.36imazaquin-ammoniumB.37imazaquin-ammoniumB.38imazaquin-ammoniumB.39imazaquin-ammoniumB.30imazaquin-ammonium	B.7	metamifop
B.10sethoxydimB.11tepraloxydimB.12tralkoxydimB.13esprocarbB.14ethofumesateB.15molinateB.16prosulfocarbB.17thiobencarbB.18triallateB.19bensulfuron-methylB.20bispyribac-sodiumB.21cloransulam-methylB.22chlorsulfuronB.23clorimuronB.24cyclosulfamuronB.25diclosulamB.26florasulamB.27flumetsulamB.28flupyrsulfuron-methyl-sodiumB.29foramsulfuronB.30imazamox-ammoniumB.31imazapic-isopropylammoniumB.34imazapyr-isopropylammoniumB.35imazaquin-ammoniumB.38imazaquin-ammoniumB.39imazaquin-ammoniumB.34imazaquin-ammoniumB.34imazaquin-ammonium	B.8	pinoxaden
B.11tepraloxydimB.12tralkoxydimB.13esprocarbB.14ethofumesateB.15molinateB.16prosulfocarbB.17thiobencarbB.18triallateB.19bensulfuron-methylB.20bispyribac-sodiumB.21cloransulam-methylB.22chlorsulfuronB.23clorimuronB.24cyclosulfamuronB.25diclosulamB.26florasulamB.27flumetsulamB.28flupyrsulfuron-methyl-sodiumB.29foramsulfuronB.30imazamox-ammoniumB.31imazapic-isopropylammoniumB.34imazapyr-isopropylammoniumB.35imazaquin-ammoniumB.38imazaquin-ammoniumB.39imazaquin-ammoniumB.34imazaquin-ammoniumB.34imazaquin-ammoniumB.34imazaquin-ammonium	В.9	profoxydim
B.12tralkoxydimB.13esprocarbB.14ethofumesateB.15molinateB.16prosulfocarbB.17thiobencarbB.18triallateB.19bensulfuron-methylB.20bispyribac-sodiumB.21cloransulam-methylB.22chlorsulfuronB.23clorimuronB.24cyclosulfamuronB.25diclosulamB.26florasulamB.27flumetsulamB.28flupyrsulfuron-methyl-sodiumB.29foramsulfuronB.30imazamox-ammoniumB.31imazapic-ammoniumB.33imazapic-isopropylammoniumB.34imazaquin-ammoniumB.38imazaquinB.39imazaquin-ammoniumB.34imazethapyr-ammoniumB.41imazethapyr-ammonium	B.10	sethoxydim
B.13esprocarbB.14ethofumesateB.15molinateB.16prosulfocarbB.17thiobencarbB.18triallateB.19bensulfuron-methylB.20bispyribac-sodiumB.21cloransulam-methylB.22chlorsulfuronB.23clorimuronB.24cyclosulfamuronB.25diclosulamB.26florasulamB.27flumetsulamB.28flupyrsulfuron-methyl-sodiumB.29foramsulfuronB.30imazamoxB.31imazapic-ammoniumB.33imazapic-isopropylammoniumB.34imazapyr-ammoniumB.35imazaquin-ammoniumB.38imazaquin-ammoniumB.39imazaquin-ammoniumB.34imazaquin-ammoniumB.34imazaquin-ammoniumB.34imazaquin-ammoniumB.34imazaquin-ammonium	B.11	tepraloxydim
B.14ethofumesateB.15molinateB.16prosulfocarbB.17thiobencarbB.18triallateB.19bensulfuron-methylB.20bispyribac-sodiumB.21cloransulam-methylB.22chlorsulfuronB.23clorimuronB.24cyclosulfamuronB.25diclosulamB.26florasulamB.27flumetsulamB.28flupyrsulfuron-methyl-sodiumB.29foramsulfuronB.30imazamoxB.31imazapicB.33imazapic-isopropylammoniumB.34imazapyr-ammoniumB.35imazaquin-ammoniumB.38imazaquin-ammoniumB.39imazaquin-ammoniumB.39imazaquin-ammoniumB.34imazaquin-ammoniumB.34imazaquin-ammoniumB.34imazaquin-ammoniumB.34imazaquin-ammoniumB.34imazaquin-ammonium	B.12	tralkoxydim
B.15molinateB.16prosulfocarbB.17thiobencarbB.18triallateB.19bensulfuron-methylB.20bispyribac-sodiumB.21cloransulam-methylB.22chlorsulfuronB.23clorimuronB.24cyclosulfamuronB.25diclosulamB.26florasulamB.27flumetsulamB.28flupyrsulfuron-methyl-sodiumB.29foramsulfuronB.30imazamoxB.31imazapic-ammoniumB.32imazapic-isopropylammoniumB.36imazapyr-ammoniumB.37imazaquin-ammoniumB.38imazaquin-ammoniumB.39imazaquin-ammoniumB.34imazaquin-ammoniumB.34imazaquin-ammoniumB.34imazaquin-ammoniumB.34imazaquin-ammoniumB.34imazaquin-ammonium	B.13	esprocarb
B.16prosulfocarbB.17thiobencarbB.18triallateB.19bensulfuron-methylB.20bispyribac-sodiumB.21cloransulam-methylB.22chlorsulfuronB.23clorimuronB.24cyclosulfamuronB.25diclosulamB.26florasulamB.27flumetsulamB.28flupyrsulfuron-methyl-sodiumB.29foramsulfuronB.30imazamoxB.31imazapic-ammoniumB.32imazapic-isopropylammoniumB.34imazapyr-isopropylammoniumB.35imazaquin-ammoniumB.38imazaquin-ammoniumB.39imazaquin-ammoniumB.34imazaquin-ammoniumB.34imazaquin-ammoniumB.34imazaquin-ammoniumB.35imazaquin-ammoniumB.36imazaquin-ammoniumB.37imazaquin-ammoniumB.38imazaquin-ammonium	B.14	ethofumesate
B.17thiobencarbB.18triallateB.19bensulfuron-methylB.20bispyribac-sodiumB.21cloransulam-methylB.22chlorsulfuronB.23clorimuronB.24cyclosulfamuronB.25diclosulamB.26florasulamB.27flumetsulamB.28flupyrsulfuron-methyl-sodiumB.29foramsulfuronB.30imazamoxB.31imazamox-ammoniumB.32imazapic-isopropylammoniumB.35imazapyr-ammoniumB.36imazaquin-ammoniumB.39imazaquin-ammoniumB.39imazethapyr-ammonium	B.15	molinate
B.18triallateB.19bensulfuron-methylB.20bispyribac-sodiumB.21cloransulam-methylB.22chlorsulfuronB.23clorimuronB.24cyclosulfamuronB.25diclosulamB.26florasulamB.27flumetsulamB.28flupyrsulfuron-methyl-sodiumB.29foramsulfuronB.30imazamoxB.31imazamox-ammoniumB.32imazapic-isopropylammoniumB.34imazapyr-isopropylammoniumB.35imazaquinB.36imazaquin-ammoniumB.39imazethapyr-ammonium	B.16	prosulfocarb
B.19bensulfuron-methylB.20bispyribac-sodiumB.21cloransulam-methylB.22chlorsulfuronB.23clorimuronB.24cyclosulfamuronB.25diclosulamB.26florasulamB.27flumetsulamB.28flupyrsulfuron-methyl-sodiumB.29foramsulfuronB.30imazamoxB.31imazamox-ammoniumB.32imazapic-ammoniumB.33imazapir-isopropylammoniumB.34imazaquin-ammoniumB.39imazaquin-ammoniumB.39imazaquin-ammoniumB.41imazethapyr-ammonium	B.17	thiobencarb
B.20bispyribac-sodiumB.21cloransulam-methylB.22chlorsulfuronB.23clorimuronB.24cyclosulfamuronB.25diclosulamB.26florasulamB.27flumetsulamB.28flupyrsulfuron-methyl-sodiumB.29foramsulfuronB.30imazamoxB.31imazapicB.33imazapicB.34imazapic-isopropylammoniumB.35imazapyr-ammoniumB.36imazaquin-ammoniumB.39imazaquin-ammoniumB.39imazaquin-ammoniumB.41imazethapyr-ammonium	B.18	triallate
B.21cloransulam-methylB.22chlorsulfuronB.23clorimuronB.24cyclosulfamuronB.25diclosulamB.26florasulamB.27flumetsulamB.28flupyrsulfuron-methyl-sodiumB.29foramsulfuronB.30imazamoxB.31imazapicB.33imazapic-isopropylammoniumB.34imazapyr-ammoniumB.35imazapyr-isopropylammoniumB.38imazaquin-ammoniumB.39imazaquin-ammoniumB.40imazethapyr-ammonium	B.19	bensulfuron-methyl
B.22chlorsulfuronB.23clorimuronB.24cyclosulfamuronB.25diclosulamB.26florasulamB.27flumetsulamB.28flupyrsulfuron-methyl-sodiumB.29foramsulfuronB.30imazamoxB.31imazamox-ammoniumB.32imazapicB.33imazapic-isopropylammoniumB.35imazapyr-ammoniumB.36imazapyr-isopropylammoniumB.38imazaquin-ammoniumB.39imazaquin-ammoniumB.41imazethapyr-ammonium	B.20	bispyribac-sodium
B.23clorimuronB.24cyclosulfamuronB.25diclosulamB.26florasulamB.27flumetsulamB.28flupyrsulfuron-methyl-sodiumB.29foramsulfuronB.30imazamoxB.31imazamox-ammoniumB.32imazapicB.33imazapic-ammoniumB.34imazapyr-ammoniumB.35imazapyr-isopropylammoniumB.36imazaquin-ammoniumB.39imazaquin-ammoniumB.41imazethapyr-ammonium	B.21	cloransulam-methyl
B.24cyclosulfamuronB.25diclosulamB.26florasulamB.27flumetsulamB.28flupyrsulfuron-methyl-sodiumB.29foramsulfuronB.30imazamoxB.31imazamox-ammoniumB.32imazapicB.33imazapic-ammoniumB.34imazapyr-ammoniumB.35imazapyr-isopropylammoniumB.36imazaquin-ammoniumB.39imazaquin-ammoniumB.41imazethapyr-ammonium	B.22	chlorsulfuron
B.25diclosulamB.26florasulamB.27flumetsulamB.28flupyrsulfuron-methyl-sodiumB.29foramsulfuronB.30imazamoxB.31imazamox-ammoniumB.32imazapicB.33imazapic-ammoniumB.34imazapic-isopropylammoniumB.35imazapyr-ammoniumB.36imazaquin-ammoniumB.38imazaquin-ammoniumB.39imazaquin-ammoniumB.41imazethapyr-ammonium	B.23	clorimuron
B.26florasulamB.27flumetsulamB.28flupyrsulfuron-methyl-sodiumB.29foramsulfuronB.30imazamoxB.31imazamox-ammoniumB.32imazapicB.33imazapic-ammoniumB.34imazapic-isopropylammoniumB.35imazapyr-ammoniumB.36imazapyr-isopropylammoniumB.38imazaquinB.39imazaquin-ammoniumB.40imazethapyr-ammonium	B.24	cyclosulfamuron
B.27flumetsulamB.28flupyrsulfuron-methyl-sodiumB.29foramsulfuronB.30imazamoxB.31imazamox-ammoniumB.32imazapicB.33imazapic-ammoniumB.34imazapic-isopropylammoniumB.35imazapyr-ammoniumB.36imazapyr-isopropylammoniumB.38imazaquinB.39imazaquin-ammoniumB.40imazethapyr-ammonium	B.25	diclosulam
B.28flupyrsulfuron-methyl-sodiumB.29foramsulfuronB.30imazamoxB.31imazamox-ammoniumB.32imazapicB.33imazapic-ammoniumB.34imazapic-isopropylammoniumB.35imazapyrB.36imazapyr-ammoniumB.37imazaquinB.38imazaquinB.39imazaquin-ammoniumB.41imazethapyr-ammonium	B.26	florasulam
B.29foramsulfuronB.30imazamoxB.31imazamox-ammoniumB.32imazapicB.33imazapic-ammoniumB.34imazapic-isopropylammoniumB.35imazapyrB.36imazapyr-ammoniumB.37imazapyr-isopropylammoniumB.38imazaquinB.39imazaquin-ammoniumB.40imazethapyr-ammonium	B.27	flumetsulam
B.30imazamoxB.31imazamox-ammoniumB.32imazapicB.33imazapic-ammoniumB.34imazapic-isopropylammoniumB.35imazapyrB.36imazapyr-ammoniumB.37imazapyr-isopropylammoniumB.38imazaquinB.39imazaquin-ammoniumB.41imazethapyr-ammonium	B.28	flupyrsulfuron-methyl-sodium
B.31imazamox-ammoniumB.32imazapicB.33imazapic-ammoniumB.34imazapic-isopropylammoniumB.35imazapyrB.36imazapyr-ammoniumB.37imazapyr-isopropylammoniumB.38imazaquinB.39imazaquin-ammoniumB.40imazethapyr-ammonium	B.29	foramsulfuron
B.32imazapicB.33imazapic-ammoniumB.34imazapic-isopropylammoniumB.35imazapyrB.36imazapyr-ammoniumB.37imazapyr-isopropylammoniumB.38imazaquinB.39imazaquin-ammoniumB.40imazethapyr-ammonium	B.30	imazamox
B.33imazapic-ammoniumB.34imazapic-isopropylammoniumB.35imazapyrB.36imazapyr-ammoniumB.37imazapyr-isopropylammoniumB.38imazaquinB.39imazaquin-ammoniumB.40imazethapyrB.41imazethapyr-ammonium	B.31	imazamox-ammonium
B.34imazapic-isopropylammoniumB.35imazapyrB.36imazapyr-ammoniumB.37imazapyr-isopropylammoniumB.38imazaquinB.39imazaquin-ammoniumB.40imazethapyrB.41imazethapyr-ammonium	B.32	imazapic
B.35imazapyrB.36imazapyr-ammoniumB.37imazapyr-isopropylammoniumB.38imazaquinB.39imazaquin-ammoniumB.40imazethapyrB.41imazethapyr-ammonium	B.33	imazapic-ammonium
B.36imazapyr-ammoniumB.37imazapyr-isopropylammoniumB.38imazaquinB.39imazaquin-ammoniumB.40imazethapyrB.41imazethapyr-ammonium	B.34	imazapic-isopropylammonium
B.37imazapyr-isopropylammoniumB.38imazaquinB.39imazaquin-ammoniumB.40imazethapyrB.41imazethapyr-ammonium	B.35	imazapyr
 B.37 imazapyr-isopropylammonium B.38 imazaquin B.39 imazaquin-ammonium B.40 imazethapyr B.41 imazethapyr-ammonium 	B.36	imazapyr-ammonium
B.39imazaquin-ammoniumB.40imazethapyrB.41imazethapyr-ammonium	B.37	imazapyr-isopropylammonium
B.39imazaquin-ammoniumB.40imazethapyrB.41imazethapyr-ammonium	B.38	imazaquin
B.40imazethapyrB.41imazethapyr-ammonium	B.39	
13	B.40	
	B.41	
в.42 imazetnapyr-isopropylammonium	B.42	imazethapyr-isopropylammonium

В	Herbicide B
B.43	imazosulfuron
B.44	iodosulfuron-methyl-sodium
B.45	iofensulfuron
B.46	iofensulfuron-sodium
B.47	mesosulfuron-methyl
B.48	metazosulfuron
B.49	metsulfuron-methyl
B.50	metosulam
B.51	nicosulfuron
B.52	penoxsulam
B.53	propoxycarbazon-sodium
B.54	pyrazosulfuron-ethyl
B.55	pyribenzoxim
B.56	pyriftalid
B.57	pyroxsulam
B.58	propyrisulfuron
B.59	rimsulfuron
B.60	sulfosulfuron
B.61	thiencarbazone-methyl
B.62	thifensulfuron-methyl
B.63	tribenuron-methyl
B.64	tritosulfuron
B.65	triafamone
B.66	ametryne
B.67	atrazine
B.68	bentazon
B.69	bromoxynil
B.70	bromoxynil-octanoate
B.71	bromoxynil-heptanoate
B.72	bromoxynil-potassium
B.73	diuron
B.74	fluometuron
B.75	hexazinone
B.76	isoproturon
B.77	linuron
B.78	metamitron
B.79	metribuzin
B.80	propanil
B.81	simazin
B.82	terbuthylazine
B.83	terbutryn
B.84	paraquat-dichloride

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В	Herbicide B
B.85	acifluorfen
B.86	butafenacil
B.87	carfentrazone-ethyl
B.88	flumioxazin
B.89	fomesafen
B.90	oxadiargyl
B.91	oxyfluorfen
B.92	pyraflufen
B.93	pyraflufen-ethyl
B.94	saflufenacil
B.95	sulfentrazone
B.96	trifludimoxazin
B.97	ethyl [3-[2-chloro-4-fluoro-5-(1-
	methyl-6-trifluoromethyl-2,4-di-
	oxo-1,2,3,4-tetrahydropyrimidin-
	3-yl)phenoxy]-2-pyridyloxy]ace-
	tate (CAS 353292-31-6)
B.98	benzobicyclon
B.99	bicyclopyrone
B.100	clomazone
B.101	diflufenican
B.102	flurochloridone
B.103	isoxaflutole
B.104	mesotrione
B.105	norflurazone
B.106	picolinafen
B.107	sulcotrione
B.108	tefuryltrione
B.109	tembotrione
B.110	tolpyralate
B.111	topramezone
B.112	topramezone-sodium
B.113	amitrole
B.114	fluometuron
B.115	fenquinotrione
B.116	glyphosate
B.117	glyphosate-ammonium
B.118	glyphosate-dimethylammonium
B.119	glyphosate-isopropylammonium
B.120	glyphosate-trimesium (sulfosate)
B.121	glyphosate-potassium
B.122	glufosinate
	-

В	Herbicide B
B.123	glufosinate-ammonium
B.124	glufosinate-P
B.125	glufosinate-P-ammonium
B.126	pendimethalin
B.127	trifluralin
B.128	acetochlor
B.129	butachlor
B.130	cafenstrole
B.131	dimethenamid-P
B.132	fentrazamide
B.133	flufenacet
B.134	mefenacet
B.135	metazachlor
B.136	metolachlor
B.137	S-metolachlor
B.138	pretilachlor
B.139	fenoxasulfone
B.140	indaziflam
B.141	isoxaben
B.142	triaziflam
B.143	ipfencarbazone
B.144	pyroxasulfone
B.145	2,4-D
B.146	2,4-D-isobutyl
B.147	2,4-D-dimethylammonium
B.148	2,4-D-N,N,N-
	trimethylethanolammonium
B.149	aminopyralid
B.150	aminopyralid-methyl
B.151	aminopyralid-dimethylammonium
B.152	aminopyralid-tris(2-hydroxypro-
	pyl)ammonium
B.153	clopyralid
B.154	clopyralid-methyl
B.155	clopyralid-olamine
B.156	dicamba
B.157	dicamba-butotyl
B.158	dicamba-diglycolamine
B.159	dicamba-dimethylammonium
B.160	dicamba-diolamine
B.161	dicamba-isopropylammonium
B.162	dicamba-potassium

В	Herbicide B
B.163	dicamba-sodium
B.164	dicamba-trolamine
B.165	dicamba-N,N-bis-(3-
	aminopropyl)methylamine
B.166	dicamba-diethylenetriamine
B.167	fluroxypyr
B.168	fluroxypyr-meptyl
B.169	halauxifen
B.170	halauxifen-methyl
B.171	MCPA
B.172	MCPA-2-ethylhexyl
B.173	MCPA-dimethylammonium
B.174	quinclorac
B.175	quinclorac-dimethylammonium
B.176	quinmerac
B.177	quinmerac-dimethylammonium
B.178	florpyrauxifen
B.179	florpyrauxifen-benzyl (CAS
	1390661-72-9)
B.180	aminocyclopyrachlor
B.181	aminocyclopyrachlor-potassium
B.182	aminocyclopyrachlor-methyl
B.183	diflufenzopyr
B.184	diflufenzopyr-sodium

В	Herbicide B	
B.185	dymron	
B.186	indanofan	
B.187	oxaziclomefone	
B.188	II.1	
B.189	II.2	
B.190	11.3	
B.191	11.4	
B.192	11.5	
B.193	11.6	
B.194	11.7	
B.195	11.8	
B.196	11.9	
B.197	4-amino-3-chloro-5-fluoro-6-(7-	
	fluoro-1H-indol-6-yl)picolinic acid	
	(CAS 1629965-65-6)	
B.198	flopyrauxifen	
B.199	oxotrione (CAS 1486617-21-3)	
B.200	cinmethylin	
B.201	2-chloro-3-methylsulfanyl-N-(1-	
	methyltetrazol-5-yl)-4-(trifluoro-	
	methyl)benzamide (CAS	
	1361139-71-0)	
B.202	2-(2,4-dichlorophenyl)methyl-4,4-	
	dimethyl-3-isoxazolidone (CAS	
	81777-95-9)	

In another embodiment of the present invention the compositions according to the present invention comprise at least one pyrimidine compound of formula (I) and at least one safener C. Safeners are chemical compounds which prevent or reduce damage on useful plants without

- 5 having a major impact on the herbicidal action of the herbicidal active components of the present compositions towards unwanted plants. They can be applied either before sowings (e.g. on seed treatments, shoots or seedlings) or in the pre-emergence application or post-emergence application of the useful plant. The safeners and the pyrimidine compounds of formula (I) and/or the herbicides B can be applied simultaneously or in succession.
- 10 Suitable safeners are e.g. (quinolin-8-oxy)acetic acids, 1-phenyl-5-haloalkyl-1H-1,2,4-triazol-3carboxylic acids, 1-phenyl-4,5-dihydro-5-alkyl-1H-pyrazol-3,5-dicarboxylic acids, 4,5-dihydro-5,5-diaryl-3-isoxazol carboxylic acids, dichloroacetamides, alpha-oximinophenylacetonitriles, acetophenonoximes, 4,6-dihalo-2-phenylpyrimidines, N-[[4-(aminocarbonyl)phenyl]sulfonyl]-2benzoic amides, 1,8-naphthalic anhydride, 2-halo-4-(haloalkyl)-5-thiazol carboxylic acids,
- 15 phosphorthiolates and N-alkyl-O-phenylcarbamates and their agriculturally acceptable salts and their agriculturally acceptable derivatives such amides, esters, and thioesters, provided they have an acid group.

Examples of preferred safeners C are benoxacor, cloquintocet, cyometrinil, cyprosulfamide, dichlormid, dicyclonon, dietholate, fenchlorazole, fenclorim, flurazole, fluxofenim, furilazole, isoxadifen, mefenpyr, mephenate, naphthalic anhydride, oxabetrinil, 4-(dichloroacetyl)-1-oxa-4-azaspiro[4.5]decane (MON4660, CAS 71526-07-3), 2,2,5-trimethyl-3-(dichloroacetyl)-1,3-oxa-

- zolidine (R-29148, CAS 52836-31-4), metcamifen and BPCMS (CAS 54091-06-4).
 Especially preferred safeners C are benoxacor, cloquintocet, cyprosulfamide, dichlormid, fenchlorazole, fenclorim, flurazole, fluxofenim, furilazole, isoxadifen, mefenpyr, naphthalic anhydride, oxabetrinil, 4-(dichloroacetyl)-1-oxa-4-azaspiro[4.5]decane (MON4660, CAS 71526-07-3), 2,2,5-trimethyl-3-(dichloroacetyl)-1,3-oxazolidine (R-29148, CAS 52836-31-4) and metcamifen.
- 10 Particularly preferred safeners C are benoxacor, cloquintocet, cyprosulfamide, dichlormid, fenchlorazole, fenclorim, furilazole, isoxadifen, mefenpyr, naphtalic anhydride, 4-(dichloroacetyl)-1-oxa-4-azaspiro[4.5]decane (MON4660, CAS 71526-07-3), 2,2,5-trimethyl-3-(dichloroacetyl)-1,3-oxazolidine (R-29148, CAS 52836-31-4) and metcamifen.

Particularly preferred safeners C, which, as component C, are constituent of the composition

15 according to the invention are the safeners C as defined above; in particular the safeners C.1 -C.17 listed below in table C:

Table C:

С	Safener C
C.1	benoxacor
C.2	cloquintocet
C.3	cloquintocet-mexyl
C.4	cyprosulfamide
C.5	dichlormid
C.6	fenchlorazole
C.7	fenchlorazole-ethyl
C.8	fenclorim
C.9	furilazole
C.10	isoxadifen
C.11	isoxadifen-ethyl
C.12	mefenpyr
C.13	mefenpyr-diethyl
C.14	naphtalic acid anhydride
C.15	4-(dichloroacetyl)-1-oxa-4-
	azaspiro[4.5]decane
	(MON4660, CAS 71526-07-3)
C.16	2,2,5-trimethyl-3-(dichloroace-
	tyl)-1,3-oxazolidine (R-29148,
	CAS 52836-31-4)
C.17	metcamifen

The active compounds B of groups b1) to b15) and the active compounds C are known herbicides and safeners, see, e.g., The Compendium of Pesticide Common Names (http://www.alanwood.net/pesticides/); Farm Chemicals Handbook 2000 volume 86, Meister Publishing Company, 2000; B. Hock, C. Fedtke, R. R. Schmidt, Herbizide [Herbicides], Georg Thieme Verlag,

- 5 Stuttgart 1995; W. H. Ahrens, Herbicide Handbook, 7th edition, Weed Science Society of America, 1994; and K. K. Hatzios, Herbicide Handbook, Supplement for the 7th edition, Weed Science Society of America, 1998. 2,2,5-Trimethyl-3-(dichloroacetyl)-1,3-oxazolidine [CAS No. 52836-31-4] is also referred to as R-29148. 4-(Dichloroacetyl)-1-oxa-4-azaspiro[4.5]decane [CAS No. 71526-07-3] is also referred to as AD-67 and MON 4660.
- 10 The assignment of the active compounds to the respective mechanisms of action is based on current knowledge. If several mechanisms of action apply to one active compound, this substance was only assigned to one mechanism of action.

Active compounds B and C having a carboxyl group can be employed in the form of the acid, in the form of an agriculturally suitable salt as mentioned above or else in the form of an agriculturally turally acceptable derivative in the compositions according to the invention.

- 15 turally acceptable derivative in the compositions according to the invention. In the case of dicamba, suitable salts include those, where the counterion is an agriculturally acceptable cation. E.g., suitable salts of dicamba are dicamba-sodium, dicamba-potassium, dicamba-methylammonium, dicamba-dimethylammonium, dicamba-isopropylammonium, dicamba-diglycolamine, dicamba-olamine, dicamba-diolamine, dicamba-trolamine, dicamba-
- N,N-bis-(3-aminopropyl)methylamine and dicamba-diethylenetriamine. Examples of a suitable ester are dicamba-methyl and dicamba-butotyl.
 Suitable salts of 2,4-D are 2,4-D-ammonium, 2,4-D-dimethylammonium, 2,4-D-diethylammonium, 2,4-D-diethanolammonium (2,4-D-diolamine), 2,4-D-triethanolammonium, 2,4-D-isopropylammonium, 2,4-D-triisopropanolammonium, 2,4-D-heptylammonium, 2,4-D-dodecylammo-
- nium, 2,4-D-tetradecylammonium, 2,4-D-triethylammonium, 2,4-D-tris(2-hydroxypropyl)ammonium, 2,4-D-tris(isopropyl)ammonium, 2,4-D-trolamine, 2,4-D-lithium, 2,4-D-sodium. Examples of suitable esters of 2,4-D are 2,4-D-butotyl, 2,4-D-2-butoxypropyl, 2,4-D-3-butoxypropyl, 2,4-D-butyl, 2,4-D-ethyl, 2,4-D-ethylhexyl, 2,4-D-isobutyl, 2,4-D-isooctyl, 2,4-D-isopropyl, 2,4-D-methyl, 2,4-D-octyl, 2,4-D-pentyl, 2,4-D-propyl, 2,4-D-tefuryl and clacyfos.
- 30 Suitable salts of 2,4-DB are e.g. 2,4-DB-sodium, 2,4-DB-potassium and 2,4-DB-dimethylammonium. Suitable esters of 2,4-DB are e.g. 2,4-DB-butyl and 2,4-DB-isoctyl. Suitable salts of dichlorprop are e.g. dichlorprop-sodium, dichlorprop-potassium and dichlorprop-dimethylammonium. Examples of suitable esters of dichlorprop are dichlorprop-butotyl and dichlorprop-isoctyl.
- 35 Suitable salts and esters of MCPA include MCPA-butotyl, MCPA-butyl, MCPA-dimethylammonium, MCPA-diolamine, MCPA-ethyl, MCPA-thioethyl, MCPA-2-ethylhexyl, MCPA-isobutyl, MCPA-isoctyl, MCPA-isopropyl, MCPA-isopropylammonium, MCPA-methyl, MCPA-olamine, MCPA-potassium, MCPA-sodium and MCPA-trolamine.

A suitable salt of MCPB is MCPB sodium. A suitable ester of MCPB is MCPB-ethyl.

40 Suitable salts of clopyralid are clopyralid-potassium, clopyralid-olamine and clopyralid-tris-(2hydroxypropyl)ammonium. Example of suitable esters of clopyralid is clopyralid-methyl. Examples of a suitable ester of fluroxypyr are fluroxypyr-meptyl and fluroxypyr-2-butoxy-1methylethyl, wherein fluroxypyr-meptyl is preferred.

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Suitable salts of picloram are picloram-dimethylammonium, picloram-potassium, picloramtriisopropanolammonium, picloram-triisopropylammonium and picloram-trolamine. A suitable ester of picloram is picloram-isoctyl.

A suitable salt of triclopyr is triclopyr-triethylammonium. Suitable esters of triclopyr are e.g. triclopyr-ethyl and triclopyr-butotyl.

Suitable salts and esters of chloramben include chloramben-ammonium, chloramben-diolamine, chloramben-methyl, chloramben-methylammonium and chloramben-sodium. Suitable salts and esters of 2,3,6-TBA include 2,3,6-TBA-dimethylammonium, 2,3,6-TBA-lithium, 2,3,6-TBA-potassium and 2,3,6-TBA-sodium.

10 Suitable salts and esters of aminopyralid include aminopyralid-potassium, aminopyralid-dimethylammonium, and aminopyralid-tris(2-hydroxypropyl)ammonium.

Suitable salts of glyphosate are e.g. glyphosate-ammonium, glyphosate-diammonium, glyphoste-dimethylammonium, glyphosate-isopropylammonium, glyphosate-potassium, glypho-sate-sodium, glyphosate-trimesium as well as the ethanolamine and diethanolamine salts, pref-

15 erably glyphosate-diammonium, glyphosate-isopropylammonium and glyphosate-trimesium (sulfosate).

A suitable salt of glufosinate is e.g. glufosinate-ammonium.

A suitable salt of glufosinate-P is e.g. glufosinate-P-ammonium.

Suitable salts and esters of bromoxynil are e.g. bromoxynil-butyrate, bromoxynil-heptanoate,

20 bromoxynil-octanoate, bromoxynil-potassium and bromoxynil-sodium.

Suitable salts and esters of ioxonil are e.g. ioxonil-octanoate, ioxonil-potassium and ioxonil-sodium.

Suitable salts and esters of mecoprop include mecoprop-butotyl, mecoprop-dimethylammonium, mecoprop-diolamine, mecoprop-ethadyl, mecoprop-2-ethylhexyl, mecoprop-isoctyl,

25 mecoprop-methyl, mecoprop-potassium, mecoprop-sodium and mecoprop-trolamine. Suitable salts of mecoprop-P are e.g. mecoprop-P-butotyl, mecoprop-P-dimethylammonium, mecoprop-P-2-ethylhexyl, mecoprop-P-isobutyl, mecoprop-P-potassium and mecoprop-P-sodium.

A suitable salt of diflufenzopyr is e.g. diflufenzopyr-sodium.

30 A suitable salt of naptalam is e.g. naptalam-sodium.

Suitable salts and esters of aminocyclopyrachlor are e.g. aminocyclopyrachlor-dimethylammonium, aminocyclopyrachlor-methyl, aminocyclopyrachlor-triisopropanolammonium, aminocyclopyrachlor-sodium and aminocyclopyrachlor-potassium.

A suitable salt of quinclorac is e.g. quinclorac-dimethylammonium.

- 35 A suitable salt of quinmerac is e.g. quinmerac-dimethylammonium.
 - A suitable salt of imazamox is e.g. imazamox-ammonium.

Suitable salts of imazapic are e.g. imazapic-ammonium and imazapic-isopropylammonium. Suitable salts of imazapyr are e.g. imazapyr-ammonium and imazapyr-isopropylammonium. A suitable salt of imazaquin is e.g. imazaquin-ammonium.

40 Suitable salts of imazethapyr are e.g. imazethapyr-ammonium and imazethapyr-isopropylammonium.

A suitable salt of topramezone is e.g. topramezone-sodium.

According to a preferred embodiment of the invention, the composition comprises as herbicidal active compound B or component B at least one, preferably exactly one herbicide B.

According to another preferred embodiment of the invention, the composition comprises as herbicidal active compounds B or component B at least two, preferably exactly two herbicides B different from each other.

According to another preferred embodiment of the invention, the composition comprises as

5 herbicidal active compounds B or component B at least three, preferably exactly three herbicides B different from each other.

According to another preferred embodiment of the invention, the composition comprises as safening component C or component C at least one, preferably exactly one safener C.

According to another preferred embodiment of the invention, the composition comprises as component B at least one, preferably exactly one herbicide B, and as component C at least one, preferably exactly one, safener C.

According to another preferred embodiment of the invention, the composition comprises at least two, preferably exactly two, herbicides B different from each other, and as component C at least one, preferably exactly one, safener C.

15 According to another preferred embodiment of the invention, the composition comprises at least three, preferably exactly three, herbicides B different from each other, and as component C at least one, preferably exactly one, safener C.

According to another preferred embodiment of the invention, the composition comprises as component A at least one, preferably exactly one pyrimidine compound of formula (I), preferably of formula (I.b), especially preferred the compound (1.3.I-3), and as component B at least one, preferably exactly one, herbicide B.

According to another preferred embodiment of the invention, the composition comprises as component A at least one, preferably exactly one pyrimidine compound of formula (I), preferably

of formula (I.b), especially preferred the compound (1.3.I-3), and at least two, preferably exactly two, herbicides B different from each other.

According to another preferred embodiment of the invention, the composition comprises as component A at least one, preferably exactly one pyrimidine compound of formula (I), preferably of formula (I.b), especially preferred the compound (1.3.I-3), and at least three, preferably ex-

- 30 actly three, herbicides B different from each other. According to another preferred embodiment of the invention, the composition comprises as component A at least one, preferably exactly one one pyrimidine compound of formula (I), preferably of formula (I.b), especially preferred the compound (1.3.I-3), and as component C at least one, preferably exactly one, safener C.
- 35 According to another preferred embodiment of the invention, the composition comprises as component A at least one, preferably exactly one pyrimidine compound of formula (I), preferably of formula (I.b), especially preferred the compound (1.3.I-3), and as component B at least one, preferably exactly one, herbicide B, and as component C at least one, preferably exactly one safener C.
- 40 According to another preferred embodiment of the invention, the composition comprises as component A at least one, preferably exactly one pyrimidine compound of formula (I), preferably of formula (I.b), especially preferred the compound (1.3.I-3), at least two, preferably exactly two herbicides B different from each other, and as component C at least one, preferably exactly one, safener C.

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According to another preferred embodiment of the invention, the composition comprises as component A at least one, preferably exactly one pyrimidine compound of formula (I), preferably of formula (I.b), especially preferred the compound (1.3.I-3), at least three, preferably exactly three herbicides B different from each other, and as component C at least one, preferably exactly exactly one safeper C

5 actly one, safener C.

According to another preferred embodiment of the invention, the composition comprises as component A at least one, preferably exactly one pyrimidine compound of formula (I), preferably of formula (I.g), especially preferred the compound (1.15.I-197), (1.15.I-198), (1.16.I-197), or (1.16.I-198), and as component B at least one, preferably exactly one, herbicide B.

- 10 According to another preferred embodiment of the invention, the composition comprises as component A at least one, preferably exactly one pyrimidine compound of formula (I), preferably of formula (I.g), especially preferred the compound (1.15.I-197), (1.15.I-198), (1.16.I-197), or (1.16.I-198), and at least two, preferably exactly two, herbicides B different from each other. According to another preferred embodiment of the invention, the composition comprises as
- 15 component A at least one, preferably exactly one pyrimidine compound of formula (I), preferably of formula (I.g), especially preferred the compound (1.15.I-197), (1.15.I-198), (1.16.I-197), or (1.16.I-198), and at least three, preferably exactly three, herbicides B different from each other. According to another preferred embodiment of the invention, the composition comprises as component A at least one, preferably exactly one pyrimidine compound of formula (I), preferably
- of formula (I.g), especially preferred the compound (1.15.I-197), (1.15.I-198), (1.16.I-197), or (1.16.I-198), and as component C at least one, preferably exactly one, safener C.
 According to another preferred embodiment of the invention, the composition comprises as component A at least one, preferably exactly one pyrimidine compound of formula (I), preferably of formula (I.g), especially preferred the compound (1.15.I-197), (1.15.I-198), (1.16.I-197), or
- (1.16.I-198), as component B at least one, preferably exactly one, herbicide B, and as component C at least one, preferably exactly one safener C.
 According to another preferred embodiment of the invention, the composition comprises as component A at least one, preferably exactly pyrimidine compound of formula (I), preferably of formula (I.g), especially preferred the compound (1.15.I-197), (1.15.I-198), (1.16.I-197), or
- (1.16.I-198), at least two, preferably exactly two herbicides B different from each other, and as component C at least one, preferably exactly one, safener C.
 According to another preferred embodiment of the invention, the composition comprises as component A at least one, preferably exactly one pyrimidine compound of formula (I), preferably
- of formula (I.g), especially preferred the compound (1.15.I-197), (1.15.I-198), (1.16.I-197), or (1.16.I-198), at least three, preferably exactly three herbicides B different from each other, and

as component C at least one, preferably exactly one, safener C. According to another preferred embodiment of the invention, the composition comprises as component A at least one, preferably exactly one pyrimidine compound of formula (I), preferably of formula (I.k), especially preferred the compound (1.35.I-197), and as component B at least

40 one, preferably exactly one, herbicide B.

According to another preferred embodiment of the invention, the composition comprises as component A at least one, preferably exactly one pyrimidine compound of formula (I), preferably of formula (I.k), especially preferred the compound (1.35.I-197), and at least two, preferably exactly two, herbicides B different from each other.

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According to another preferred embodiment of the invention, the composition comprises as component A at least one, preferably exactly one pyrimidine compound of formula (I), preferably of formula (I.k), especially preferred the compound (1.35.I-197), and at least three, preferably exactly three, herbicides B different from each other.

5 According to another preferred embodiment of the invention, the composition comprises as component A at least one, preferably exactly one pyrimidine compound of formula (I), preferably of formula (I.k), especially preferred the compound (1.35.I-197), and as component C at least one, preferably exactly one, safener C.

According to another preferred embodiment of the invention, the composition comprises as
 component A at least one, preferably exactly one pyrimidine compound of formula (I), preferably of formula (I.k), especially preferred the compound (1.35.I-197), as component B at least one, preferably exactly one, herbicide B, and as component C at least one, preferably exactly one safener C.

According to another preferred embodiment of the invention, the composition comprises as

15 component A at least one, preferably exactly one pyrimidine compound of formula (I), preferably of formula (I.k), especially preferred the compound (1.35.I-197), at least two, preferably exactly two herbicides B different from each other, and as component C at least one, preferably exactly one, safener C.

According to another preferred embodiment of the invention, the composition comprises as component A at least one, preferably exactly one pyrimidine compound of formula (I), preferably of formula (I.k), especially preferred the compound (1.35.I-197), at least three, preferably exactly

- three herbicides B different from each other, and as component C at least one, preferably exactly one, safener C. According to another preferred embodiment of the invention, the composition comprises, in ad-
- 25 dition to a pyrimidine compounds of formula (I), especially an active composition comprises, in ad-25 dition to a pyrimidine compounds of formula (I), especially an active compound from the group consisting of (1.3.I-3), (1.15.I-197), (1.15.I-198), (1.16.I-197), (1.16.I-198), and (1.35.I-197), at least one and especially exactly one herbicidally active compound from group b1), in particular selected from the group consisting of clethodim, clodinafop-propargyl, cycloxydim, cyhalofopbutyl, fenoxaprop-ethyl, fenoxaprop-P-ethyl, metamifop, pinoxaden, profoxydim, sethoxydim,
- 30 tepraloxydim, tralkoxydim, esprocarb, ethofumesate, molinate, prosulfocarb, thiobencarb and triallate.

According to another preferred embodiment of the invention, the composition comprises, in addition to a pyrimidine compounds of formula (I), especially an active compound from the group consisting of (1.3.I-3), (1.15.I-197), (1.15.I-198), (1.16.I-197), (1.16.I-198), and (1.35.I-197), at

- 35 least one and especially exactly one herbicidally active compound from group b2), in particular selected from the group consisting of bensulfuron-methyl, bispyribac-sodium, cloransulam-methyl, chlorsulfuron, clorimuron, cyclosulfamuron, diclosulam, florasulam, flumetsulam, flupyrsulfuron-methyl-sodium, foramsulfuron, imazamox, imazamox-ammonium, imazapic, imazapic-ammonium, imazapic-isopropylammonium, imazapyr, imazapyr-ammonium, imazethapyr-isoprop-
- 40 ylammonium, imazaquin, imazaquin-ammonium, imazethapyr, imazethapyr-ammonium, imazethapyr-isopropylammonium, imazosulfuron, iodosulfuron-methyl-sodium, iofensulfuron, iofensulfuron-sodium, mesosulfuron-methyl, metazosulfuron, metsulfuron-methyl, metosulam, nicosulfuron, penoxsulam, propoxycarbazon-sodium, pyrazosulfuron-ethyl, pyribenzoxim, pyriftalid,

pyroxsulam, propyrisulfuron, rimsulfuron, sulfosulfuron, thiencarbazon-methyl, thifensulfuronmethyl, tribenuron-methyl, tritosulfuron and triafamone.

According to another preferred embodiment of the invention, the composition comprises, in addition to a pyrimidine compounds of formula (I), especially an active compound from the group

- 5 consisting (1.3.I-3), (1.15.I-197), (1.15.I-198), (1.16.I-197), (1.16.I-198), and (1.35.I-197), at least one and especially exactly one herbicidally active compound from group b3), in particular selected from the group consisting of ametryn, atrazine, bentazon, bromoxynil, bromoxynil-octanoate, bromoxynil-heptanoate, bromoxynil-potassium, diuron, fluometuron, hexazinone, isoproturon, linuron, metamitron, metribuzin, paraguat-dichloride, propanil, simazin, terbutryn and
- 10 terbuthylazine.

According to another preferred embodiment of the invention, the composition comprises, in addition to a pyrimidine compounds of formula (I), especially an active compound from the group consisting of (1.3.I-3), (1.15.I-197), (1.15.I-198), (1.16.I-197), (1.16.I-198), and (1.35.I-197), at least one and especially exactly one herbicidally active compound from group b4), in particular

15 selected from the group consisting of acifluorfen, butafencil, carfenetrazone-ethyl, flumioxazin, fomesafen, oxadiargyl, oxyfluorfen, pyraflufen, pyraflufen-ethyl, saflufenacil, sulfentrazone, trifludimoxazin, ethyl [3-[2-chloro-4-fluoro-5-(1-methyl-6-trifluoromethyl-2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-2-pyridyloxy]acetate (CAS 353292-31-6; S-3100).

- 20 According to another preferred embodiment of the invention, the composition comprises, in addition to a pyrimidine compounds of formula (I), especially an active compound from the group consisting of (1.3.I-3), (1.15.I-197), (1.15.I-198), (1.16.I-197), (1.16.I-198), and (1.35.I-197), at least one and especially exactly one herbicidally active compound from group b5), in particular selected from the group consisting of amitrole, benzobicyclon, bicyclopyrone, clomazone,
- 25 diflufenican, fenguintrone, fluometuron, flurochloridone, isoxaflutole, mesotrione, norflurazone, oxotrione (CAS 1486617-21-3), picolinafen, sulcotrione, tefuryltrione, tembotrione, tolpyralate, topramezone, topramezone-sodium and 2-chloro-3-methylsulfanyl-N-(1-methyltetrazol-5-yl)-4-(trifluoromethyl)benzamide (CAS 1361139-71-0).

According to another preferred embodiment of the invention, the composition comprises, in addition to a pyrimidine compounds of formula (I), especially an active compound from the group 30 consisting of (1.3.I-3), (1.15.I-197), (1.15.I-198), (1.16.I-197), (1.16.I-198), and (1.35.I-197), at least one and especially exactly one herbicidally active compound from group b6), in particular selected from the group consisting of glyphosate, glyphosate-ammonium, glyphosate-dimethylammonium, glyphosate-isopropylammonium and glyphosate-trimesium (sulfosate) and

35 glyphosate-potassium.

> According to another preferred embodiment of the invention, the composition comprises, in addition to a pyrimidine compounds of formula (I), especially an active compound from the group consisting of (1.3.I-3), (1.15.I-197), (1.15.I-198), (1.16.I-197), (1.16.I-198), and (1.35.I-197), at least one and especially exactly one herbicidally active compound from group b7), in particular

selected from the group consisting of glufosinate, glufosinate-ammonium, glufosinate-P and 40 glufosinate-P-ammonium.

According to another preferred embodiment of the invention, the composition comprises, in addition to a pyrimidine compounds of formula (I), especially an active compound from the group consisting of (1.3.I-3), (1.15.I-197), (1.15.I-198), (1.16.I-197), (1.16.I-198), and (1.35.I-197), at

least one and especially exactly one herbicidally active compound from group b9), in particular selected from the group consisting of pendimethalin and trifluralin.

According to another preferred embodiment of the invention, the composition comprises, in addition to a pyrimidine compounds of formula (I), especially an active compound from the group

- 5 consisting of (1.3.I-3), (1.15.I-197), (1.15.I-198), (1.16.I-197), (1.16.I-198), and (1.35.I-197), at least one and especially exactly one herbicidally active compound from group b10), in particular selected from the group consisting of acetochlor, butachlor, cafenstrole, dimethenamid-P, fentrazamide, flufenacet, mefenacet, metazachlor, metolachlor, S-metolachlor, fenoxasulfone, ipfencarbazone and pyroxasulfone. Likewise, preference is given to compositions comprising in
- addition to a pyrimidine compounds of formula (I), especially an active compound from the group consisting of (1.3.I-3), (1.15.I-197), (1.15.I-198), (1.16.I-197), (1.16.I-198), and (1.35.I-197), at least one and especially exactly one herbicidally active compound from group b10), in particular selected from the group consisting of isoxazoline compounds of the formulae II.1, II.2, II.3, II.4, II.5, II.6, II.7, II.8 and II.9, as defined above.
- 15 According to another preferred embodiment of the invention, the composition comprises, in addition to a pyrimidine compounds of formula (I), especially an active compound from the group consisting of (1.3.I-3), (1.15.I-197), (1.15.I-198), (1.16.I-197), (1.16.I-198), and (1.35.I-197), at least one and especially exactly one herbicidally active compound from group b11), in particular indaziflam, isoxaben and triaziflam.
- According to another preferred embodiment of the invention, the composition comprises, in addition to a pyrimidine compounds of formula (I), especially an active compound from the group consisting of (1.3.I-3), (1.15.I-197), (1.15.I-198), (1.16.I-197), (1.16.I-198), and (1.35.I-197), at least one and especially exactly one herbicidally active compound from group b13), in particular selected from the group consisting of 2,4-D, 2,4-D-isobutyl, 2,4-D-dimethylammonium, 2,4-D-
- 25 N,N,N-trimethylethanolammonium, aminocyclopyrachlor, aminocyclopyrachlor-potassium, aminocyclopyrachlor-methyl, aminopyralid, aminopyralid-methyl, aminopyralid-dimethylammonium, aminopyralid-tris(2-hydroxypropyl)ammonium, clopyralid, clopyralid-methyl, clopyralid-olamine, dicamba, dicamba-butotyl, dicamba-diglycolamine, dicamba-dimethylammonium, dicamba-diolamine, dicamba-isopropylammonium, dicamba-potassium, dicamba-sodium, dicamba-trola-
- 30 mine, dicamba-N,N-bis-(3-aminopropyl)methylamine, dicamba-diethylenetriamine, flopyrauxifen, fluroxypyr, fluroxypyr-meptyl, halauxifen, halauxifen-methyl, MCPA, MCPA-2-ethylhexyl, MCPAdimethylammonium, quinclorac, quinclorac-dimethylammonium, quinmerac, quinmerac-dimethylammonium, florpyrauxifen, florpyrauxifen-benzyl (CAS 1390661-72-9), and 4-amino-3chloro-5-fluoro-6-(7-fluoro-1H-indol-6-yl)picolinic acid (CAS 1629965-65-6).
- 35 According to another preferred embodiment of the invention, the composition comprises, in addition to a pyrimidine compounds of formula (I), especially an active compound from the group consisting of (1.3.I-3), (1.15.I-197), (1.15.I-198), (1.16.I-197), (1.16.I-198), and (1.35.I-197), at least one and especially exactly one herbicidally active compound from group b14), in particular selected from the group consisting of diflufenzopyr, diflufenzopyr-sodium, dymron, indanofan
- 40 and diflufenzopyr-sodium.

According to another preferred embodiment of the invention, the composition comprises, in addition to a pyrimidine compounds of formula (I), especially an active compound from the group consisting of (1.3.I-3), (1.15.I-197), (1.15.I-198), (1.16.I-197), (1.16.I-198), and (1.35.I-197), at least one and especially exactly one herbicidally active compound from group b15), in particular

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selected from the group consisting of cinmethylin, dymron (= daimuron), indanofan and oxaziclomefone.

According to another preferred embodiment of the invention, the composition comprises, in addition to a pyrimidine compounds of formula (I), especially an active compound from the group

- 5 consisting of (1.3.I-3), (1.15.I-197), (1.15.I-198), (1.16.I-197), (1.16.I-198), and (1.35.I-197), at least one and especially exactly one safener C, in particular selected from the group consisting of benoxacor, cloquintocet, cyprosulfamide, dichlormid, fenchlorazole, fenclorim, furilazole, isoxadifen, mefenpyr, 4-(dichloroacetyl)-1-oxa-4-azaspiro[4.5]decane (MON4660, CAS 71526-07-3) and 2,2,5-trimethyl-3-(dichloroacetyl)-1,3-oxazolidine (R-29148, CAS 52836-31-4).
- 10 Here and below, the term "binary compositions" includes compositions comprising one or more, e.g. 1, 2 or 3, active compounds of the formula (I) and either one or more, e.g. 1, 2 or 3, herbicides B or one or more safeners C.

Correspondingly, the term "ternary compositions" includes compositions comprising one or more, e.g. 1, 2 or 3, active compounds of the formula (I), one or more, e.g. 1, 2 or 3, herbicides B and one or more, e.g. 1, 2 or 3, safeners C.

- In binary compositions comprising at least one pyrimidine of formula (I) as component A and at least one herbicide B, the weight ratio of the active compounds A:B is generally in the range of from 1:1000 to 1000:1, preferably in the range of from 1:500 to 500:1, in particular in the range of from 1:250 to 250:1 and particularly preferably in the range of from 1:75 to 75:1.
- In binary compositions comprising at least one pyrimidine of formula (I) as component A and at least one safener C, the weight ratio of the active compounds A:C is generally in the range of from 1:1000 to 1000:1, preferably in the range of from 1:500 to 500:1, in particular in the range of from 1:250 to 250:1 and particularly preferably in the range of from 1:75 to 75:1. In ternary compositions comprising at least one pyrimidine of formula (I) as component A, at
- 25 least one herbicide B and at least one safener C, the relative proportions by weight of the components A:B are generally in the range of from 1:1000 to 1000:1, preferably in the range of from 1:500 to 500:1, in particular in the range of from 1:250 to 250:1 and particularly preferably in the range of from 1:75 to 75:1, the weight ratio of the components A:C is generally in the range of from 1:1000 to 1000:1, preferably in the range of from 1:500 to 500:1, in particular in the range of the components A:C is generally in the range of from 1:1000 to 1000:1, preferably in the range of from 1:1000 to 1000:1, preferably in the range of from 1:500 to 500:1, in particular in the range of the components A:C is generally in the range of from 1:1000 to 1000:1, preferably in the range of from 1:500 to 500:1, in particular in the range
- 30 of from 1:250 to 250:1 and particularly preferably in the range of from 1:75 to 75:1, and the weight ratio of the components B:C is generally in the range of from 1:1000 to 1000:1, preferably in the range of from 1:500 to 500:1, in particular in the range of from 1:250 to 250:1 and particularly preferably in the range of from 1:75 to 75:1. The weight ratio of components A + B to component C is preferably in the range of from 1:500 to 500:1, in particular in the range of from 1:500 to 500:1, in particular in the range of from 1:500 to 500:1.
- 1:250 to 250:1 and particularly preferably in the range of from 1:75 to 75:1.The weight ratios of the individual components in the preferred mixtures mentioned below are within the limits given above, in particular within the preferred limits.

Particularly preferred are the compositions mentioned below comprising the pyrimidine compounds of formula I as defined and the substance(s) as defined in the respective row of table T;

40 especially preferred comprising as only herbicidal active compounds the pyrimidine compounds of formula I as defined and the substance(s) as defined in the respective row of table T; most preferably comprising as only active compounds the pyrimidine compounds of formula I as defined and the substance(s) as defined in the respective row of table T.

Particularly preferred are compositions 1.1 to 1.3653, comprising the compound 1.3.I-3 and the substance(s) as defined in the respective row of table T:

	ì		1.0	, 	.		I		.	-
comp.	herbi-	safener		comp.	herbi-	safener		comp.	herbi-	safener
no.	cide B	С		no.	cide B	С		no.	cide B	С
1.1	B.1			1.38	B.38			1.75	B.75	
1.2	B.2			1.39	B.39			1.76	B.76	
1.3	B.3			1.40	B.40			1.77	B.77	
1.4	B.4			1.41	B.41			1.78	B.78	
1.5	B.5			1.42	B.42			1.79	B.79	
1.6	B.6			1.43	B.43			1.80	B.80	
1.7	B.7			1.44	B.44			1.81	B.81	
1.8	B.8			1.45	B.45			1.82	B.82	
1.9	B.9			1.46	B.46			1.83	B.83	
1.10	B.10			1.47	B.47			1.84	B.84	
1.11	B.11			1.48	B.48			1.85	B.85	
1.12	B.12			1.49	B.49			1.86	B.86	
1.13	B.13			1.50	B.50			1.87	B.87	
1.14	B.14			1.51	B.51			1.88	B.88	
1.15	B.15			1.52	B.52			1.89	B.89	
1.16	B.16			1.53	B.53			1.90	B.90	
1.17	B.17			1.54	B.54			1.91	B.91	
1.18	B.18			1.55	B.55			1.92	B.92	
1.19	B.19			1.56	B.56			1.93	B.93	
1.20	B.20			1.57	B.57			1.94	B.94	
1.21	B.21			1.58	B.58			1.95	B.95	
1.22	B.22			1.59	B.59			1.96	B.96	
1.23	B.23			1.60	B.60			1.97	B.97	
1.24	B.24			1.61	B.61			1.98	B.98	
1.25	B.25			1.62	B.62			1.99	B.99	
1.26	B.26			1.63	B.63			1.100	B.100	
1.27	B.27			1.64	B.64			1.101	B.101	
1.28	B.28			1.65	B.65			1.102	B.102	
1.29	B.29			1.66	B.66			1.103	B.103	
1.30	B.30			1.67	B.67			1.104	B.104	
1.31	B.31			1.68	B.68			1.105	B.105	
1.32	B.32			1.69	B.69			1.106	B.106	
1.33	B.33			1.70	B.70			1.107	B.107	
1.34	B.34			1.71	B.71			1.108	B.108	
1.35	B.35			1.72	B.72			1.109	B.109	
1.36	B.36			1.73	B.73			1.110	B.110	
1.37	B.37			1.74	B.74			1.111	B.111	
L		<u> </u>				I]	l		1	1

Table T (compositions 1.1 to 1.3653):

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comp.	herbi-	safener
no.	cide B	С
1.112	B.112	
1.113	B.113	
1.114	B.114	
1.115	B.115	
1.116	B.116	
1.117	B.117	
1.118	B.118	
1.119	B.119	
1.120	B.120	
1.121	B.121	
1.122	B.122	
1.123	B.123	
1.124	B.124	
1.125	B.125	
1.126	B.126	
1.127	B.127	
1.128	B.128	
1.129	B.129	
1.130	B.130	
1.131	B.131	
1.132	B.132	
1.133	B.133	
1.134	B.134	
1.135	B.135	
1.136	B.136	
1.137	B.137	
1.138	B.138	
1.139	B.139	
1.140	B.140	
1.141	B.141	
1.142	B.142	
1.143	B.143	
1.144	B.144	
1.145	B.145	
1.146	B.146	
1.147	B.147	
1.148	B.148	
1.149	B.149	
1.150	B.150	
1.151	B.151	
1.152	B.152	

comp.	herbi-	safener
no.	cide B	С
1.153	B.153	
1.154	B.154	
1.155	B.155	
1.156	B.156	
1.157	B.157	
1.158	B.158	
1.159	B.159	
1.160	B.160	
1.161	B.161	
1.162	B.162	
1.163	B.163	
1.164	B.164	
1.165	B.165	
1.166	B.166	
1.167	B.167	
1.168	B.168	
1.169	B.169	
1.170	B.170	
1.171	B.171	
1.172	B.172	
1.173	B.173	
1.174	B.174	
1.175	B.175	
1.176	B.176	
1.177	B.177	
1.178	B.178	
1.179	B.179	
1.180	B.180	
1.181	B.181	
1.182	B.182	
1.183	B.183	
1.184	B.184	
1.185	B.185	
1.186	B.186	
1.187	B.187	
1.188	B.188	
1.189	B.189	
1.190	B.190	
1.191	B.191	
1.192	B.192	
1.193	B.193	

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re i	PC1/EP201//06/285						
comp.	herbi-	safener					
no.	cide B	С					
1.194	B.194						
1.195	B.195						
1.196	B.196						
1.197	B.197						
1.198	B.198						
1.199	B.199						
1.200	B.200						
1.201	B.201						
1.202	B.202						
1.203	B.1	C.1					
1.204	B.2	C.1					
1.205	B.3	C.1					
1.206	B.4	C.1					
1.207	B.5	C.1					
1.208	B.6	C.1					
1.209	B.7	C.1					
1.210	B.8	C.1					
1.211	B.9	C.1					
1.212	B.10	C.1					
1.213	B.11	C.1					
1.214	B.12	C.1					
1.215	B.13	C.1					
1.216	B.14	C.1					
1.217	B.15	C.1					
1.218	B.16	C.1					
1.219	B.17	C.1					
1.220	B.18	C.1					
1.221	B.19	C.1					
1.222	B.20	C.1					
1.223	B.21	C.1					
1.224	B.22	C.1					
1.225	B.23	C.1					
1.226	B.24	C.1					
1.227	B.25	C.1					
1.228	B.26	C.1					
1.229	B.27	C.1					
1.230	B.28	C.1					
1.231	B.29	C.1					
1.232	B.30	C.1					
1.233	B.31	C.1					
1.234	B.32	C.1					
	l	L					

comp.	herbi-	safener
no.	cide B	С
1.235	B.33	C.1
1.236	B.34	C.1
1.237	B.35	C.1
1.238	B.36	C.1
1.239	B.37	C.1
1.240	B.38	C.1
1.241	B.39	C.1
1.242	B.40	C.1
1.243	B.41	C.1
1.244	B.42	C.1
1.245	B.43	C.1
1.246	B.44	C.1
1.247	B.45	C.1
1.248	B.46	C.1
1.249	B.47	C.1
1.250	B.48	C.1
1.251	B.49	C.1
1.252	B.50	C.1
1.253	B.51	C.1
1.254	B.52	C.1
1.255	B.53	C.1
1.256	B.54	C.1
1.257	B.55	C.1
1.258	B.56	C.1
1.259	B.57	C.1
1.260	B.58	C.1
1.261	B.59	C.1
1.262	B.60	C.1
1.263	B.61	C.1
1.264	B.62	C.1
1.265	B.63	C.1
1.266	B.64	C.1
1.267	B.65	C.1
1.268	B.66	C.1
1.269	B.67	C.1
1.270	B.68	C.1
1.271	B.69	C.1
1.272	B.70	C.1
1.273	B.71	C.1
1.274	B.72	C.1
1.275	B.73	C.1

		[c]
comp.	herbi-	safener
no.	cide B	С
1.276	B.74	C.1
1.277	B.75	C.1
1.278	B.76	C.1
1.279	B.77	C.1
1.280	B.78	C.1
1.281	B.79	C.1
1.282	B.80	C.1
1.283	B.81	C.1
1.284	B.82	C.1
1.285	B.83	C.1
1.286	B.84	C.1
1.287	B.85	C.1
1.288	B.86	C.1
1.289	B.87	C.1
1.290	B.88	C.1
1.291	B.89	C.1
1.292	B.90	C.1
1.293	B.91	C.1
1.294	B.92	C.1
1.295	B.93	C.1
1.296	B.94	C.1
1.297	B.95	C.1
1.298	B.96	C.1
1.299	B.97	C.1
1.300	B.98	C.1
1.301	B.99	C.1
1.302	B.100	C.1
1.303	B.101	C.1
1.304	B.102	C.1
1.305	B.103	C.1
1.306	B.104	C.1
1.307	B.105	C.1
1.308	B.106	C.1
1.309	B.107	C.1
1.310	B.108	C.1
1.311	B.109	C.1
1.312	B.110	C.1
1.313	B.111	C.1
1.314	B.112	C.1
1.315	B.113	C.1
1.316	B.114	C.1
1.310	D.114	0.1

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PCI	PC1/EP2017/067285		
comp.	herbi-	safener	
no.	cide B	С	
1.317	B.115	C.1	
1.318	B.116	C.1	
1.319	B.117	C.1	
1.320	B.118	C.1	
1.321	B.119	C.1	
1.322	B.120	C.1	
1.323	B.121	C.1	
1.324	B.122	C.1	
1.325	B.123	C.1	
1.326	B.124	C.1	
1.327	B.125	C.1	
1.328	B.126	C.1	
1.329	B.127	C.1	
1.330	B.128	C.1	
1.331	B.129	C.1	
1.332	B.130	C.1	
1.333	B.131	C.1	
1.334	B.132	C.1	
1.335	B.133	C.1	
1.336	B.134	C.1	
1.337	B.135	C.1	
1.338	B.136	C.1	
1.339	B.137	C.1	
1.340	B.138	C.1	
1.341	B.139	C.1	
1.342	B.140	C.1	
1.343	B.141	C.1	
1.344	B.142	C.1	
1.345	B.143	C.1	
1.346	B.144	C.1	
1.347	B.145	C.1	
1.348	B.146	C.1	
1.349	B.147	C.1	
1.350	B.148	C.1	
1.351	B.149	C.1	
1.352	B.150	C.1	
1.353	B.151	C.1	
1.354	B.152	C.1	
1.355	B.153	C.1	
1.356	B.154	C.1	
1.357	B.155	C.1	
		I	

no.cide BC1.358B.156C.11.359B.157C.11.360B.158C.11.361B.159C.11.362B.160C.11.363B.161C.11.364B.162C.11.365B.163C.11.366B.164C.11.367B.165C.11.368B.166C.11.369B.167C.11.370B.168C.11.371B.169C.11.372B.170C.11.373B.171C.11.374B.172C.11.375B.173C.11.376B.174C.11.377B.175C.11.378B.176C.11.379B.177C.11.380B.178C.11.381B.179C.11.382B.180C.11.384B.182C.11.385B.183C.11.386B.184C.11.387B.185C.11.388B.186C.11.389B.187C.11.390B.188C.11.391B.189C.11.392B.190C.11.394B.192C.11.395B.193C.11.396B.194C.11.397B.195C.11.398B.194C.11.396B.194C.11.397B.195	comp.	herbi-	safener
1.359B.157C.11.360B.158C.11.361B.159C.11.362B.160C.11.363B.161C.11.364B.162C.11.365B.163C.11.366B.164C.11.367B.165C.11.368B.166C.11.369B.167C.11.370B.168C.11.371B.169C.11.372B.170C.11.373B.171C.11.374B.172C.11.375B.173C.11.376B.174C.11.377B.175C.11.378B.176C.11.379B.177C.11.380B.178C.11.381B.179C.11.382B.180C.11.384B.182C.11.385B.183C.11.386B.184C.11.387B.185C.11.380B.184C.11.381B.185C.11.384B.185C.11.385B.184C.11.380B.184C.11.391B.189C.11.392B.190C.11.394B.192C.11.395B.193C.11.396B.194C.11.397B.195C.11.396B.194C.11.397B.195C.1			
1.359B.157C.11.360B.158C.11.361B.159C.11.362B.160C.11.363B.161C.11.364B.162C.11.365B.163C.11.366B.164C.11.367B.165C.11.368B.166C.11.369B.167C.11.370B.168C.11.371B.169C.11.372B.170C.11.373B.171C.11.374B.172C.11.375B.173C.11.376B.174C.11.377B.175C.11.378B.176C.11.379B.177C.11.380B.178C.11.381B.179C.11.382B.180C.11.384B.182C.11.385B.183C.11.386B.184C.11.387B.185C.11.380B.184C.11.381B.185C.11.384B.185C.11.385B.184C.11.380B.184C.11.391B.189C.11.392B.190C.11.394B.192C.11.395B.193C.11.396B.194C.11.397B.195C.11.396B.194C.11.397B.195C.1			
1.360B.158C.11.361B.159C.11.362B.160C.11.363B.161C.11.364B.162C.11.365B.163C.11.366B.164C.11.367B.165C.11.368B.166C.11.369B.167C.11.370B.168C.11.371B.169C.11.372B.170C.11.373B.171C.11.374B.172C.11.375B.173C.11.376B.174C.11.377B.175C.11.378B.176C.11.379B.177C.11.380B.178C.11.381B.179C.11.382B.180C.11.384B.182C.11.385B.183C.11.386B.184C.11.387B.185C.11.389B.186C.11.390B.188C.11.391B.189C.11.393B.191C.11.394B.192C.11.395B.193C.11.396B.194C.11.397B.195C.1	1.359	B.157	
1.362B.160C.11.363B.161C.11.364B.162C.11.365B.163C.11.366B.164C.11.367B.165C.11.368B.166C.11.369B.167C.11.370B.168C.11.371B.169C.11.372B.170C.11.373B.171C.11.374B.172C.11.375B.173C.11.376B.174C.11.377B.175C.11.378B.176C.11.379B.177C.11.380B.178C.11.381B.179C.11.382B.180C.11.384B.182C.11.385B.183C.11.386B.184C.11.387B.185C.11.389B.187C.11.390B.188C.11.391B.189C.11.392B.190C.11.393B.191C.11.394B.192C.11.395B.193C.11.396B.194C.11.397B.195C.1	1.360	B.158	
1.363B.161C.11.364B.162C.11.365B.163C.11.366B.164C.11.367B.165C.11.368B.166C.11.369B.167C.11.370B.168C.11.371B.169C.11.372B.170C.11.373B.171C.11.374B.172C.11.375B.173C.11.376B.174C.11.377B.175C.11.378B.176C.11.379B.177C.11.380B.178C.11.381B.179C.11.382B.180C.11.384B.182C.11.385B.183C.11.386B.184C.11.387B.185C.11.389B.187C.11.390B.188C.11.391B.189C.11.392B.190C.11.393B.191C.11.394B.192C.11.395B.193C.11.396B.194C.11.397B.195C.1	1.361	B.159	C.1
1.364B.162C.11.365B.163C.11.366B.164C.11.367B.165C.11.368B.166C.11.369B.167C.11.370B.168C.11.371B.169C.11.372B.170C.11.373B.171C.11.374B.172C.11.375B.173C.11.376B.174C.11.377B.175C.11.378B.176C.11.379B.177C.11.380B.178C.11.381B.179C.11.382B.180C.11.383B.181C.11.384B.182C.11.385B.183C.11.386B.184C.11.389B.185C.11.390B.188C.11.391B.189C.11.393B.191C.11.394B.192C.11.395B.193C.11.396B.194C.11.397B.195C.1	1.362	B.160	C.1
1.365B.163C.11.366B.164C.11.367B.165C.11.368B.166C.11.369B.167C.11.370B.168C.11.371B.169C.11.372B.170C.11.373B.171C.11.374B.172C.11.375B.173C.11.376B.174C.11.377B.175C.11.378B.176C.11.379B.177C.11.380B.178C.11.381B.179C.11.382B.180C.11.383B.181C.11.384B.182C.11.385B.183C.11.386B.184C.11.387B.185C.11.389B.187C.11.390B.188C.11.391B.189C.11.395B.193C.11.396B.194C.11.397B.195C.1	1.363	B.161	C.1
1.366B.164C.11.367B.165C.11.368B.166C.11.369B.167C.11.370B.168C.11.371B.169C.11.372B.170C.11.373B.171C.11.374B.172C.11.375B.173C.11.376B.174C.11.378B.175C.11.379B.175C.11.378B.176C.11.379B.177C.11.380B.178C.11.381B.179C.11.382B.180C.11.383B.181C.11.384B.182C.11.385B.183C.11.386B.184C.11.389B.187C.11.390B.188C.11.391B.189C.11.392B.190C.11.394B.192C.11.395B.193C.11.396B.194C.11.397B.195C.1	1.364	B.162	C.1
1.367B.165C.11.368B.166C.11.369B.167C.11.370B.168C.11.371B.169C.11.372B.170C.11.373B.171C.11.373B.171C.11.374B.172C.11.375B.173C.11.376B.174C.11.377B.175C.11.378B.176C.11.379B.177C.11.380B.178C.11.381B.179C.11.382B.180C.11.383B.181C.11.384B.182C.11.385B.183C.11.386B.184C.11.389B.185C.11.390B.188C.11.391B.189C.11.392B.190C.11.394B.192C.11.395B.193C.11.396B.194C.11.397B.195C.1	1.365	B.163	C.1
1.368B.166C.11.369B.167C.11.370B.168C.11.371B.169C.11.372B.170C.11.373B.171C.11.374B.172C.11.375B.173C.11.376B.174C.11.377B.175C.11.378B.176C.11.379B.177C.11.379B.178C.11.380B.178C.11.381B.179C.11.382B.180C.11.383B.181C.11.384B.182C.11.385B.183C.11.386B.184C.11.389B.185C.11.390B.188C.11.391B.189C.11.392B.190C.11.395B.193C.11.396B.194C.11.397B.195C.1	1.366	B.164	C.1
1.369B.167C.11.370B.168C.11.371B.169C.11.372B.170C.11.373B.171C.11.374B.172C.11.375B.173C.11.376B.174C.11.377B.175C.11.378B.176C.11.379B.177C.11.380B.178C.11.381B.179C.11.382B.180C.11.383B.181C.11.384B.182C.11.385B.183C.11.386B.184C.11.387B.185C.11.389B.187C.11.390B.188C.11.391B.189C.11.393B.191C.11.394B.192C.11.395B.193C.11.397B.195C.1	1.367	B.165	C.1
1.370B.168C.11.371B.169C.11.372B.170C.11.373B.171C.11.373B.171C.11.374B.172C.11.375B.173C.11.376B.174C.11.377B.175C.11.378B.176C.11.379B.177C.11.380B.178C.11.381B.179C.11.382B.180C.11.383B.181C.11.384B.182C.11.385B.183C.11.386B.184C.11.387B.185C.11.389B.187C.11.390B.188C.11.391B.189C.11.393B.191C.11.394B.192C.11.395B.193C.11.397B.195C.1	1.368	B.166	C.1
1.371B.169C.11.372B.170C.11.373B.171C.11.373B.171C.11.374B.172C.11.375B.173C.11.376B.174C.11.377B.175C.11.378B.176C.11.379B.177C.11.380B.178C.11.381B.179C.11.382B.180C.11.383B.181C.11.384B.182C.11.385B.183C.11.386B.184C.11.387B.185C.11.388B.186C.11.390B.188C.11.391B.189C.11.393B.191C.11.394B.192C.11.397B.195C.11.397B.195C.1	1.369	B.167	C.1
1.372B.170C.11.373B.171C.11.374B.172C.11.375B.173C.11.376B.174C.11.377B.175C.11.378B.176C.11.379B.177C.11.380B.178C.11.381B.179C.11.382B.180C.11.383B.181C.11.384B.182C.11.385B.183C.11.386B.184C.11.387B.185C.11.388B.186C.11.390B.188C.11.391B.189C.11.393B.191C.11.394B.192C.11.395B.193C.11.396B.194C.11.397B.195C.1	1.370	B.168	C.1
1.373B.171C.11.374B.172C.11.375B.173C.11.376B.174C.11.377B.175C.11.378B.176C.11.379B.177C.11.380B.178C.11.381B.179C.11.382B.180C.11.383B.181C.11.384B.182C.11.385B.183C.11.386B.184C.11.387B.185C.11.389B.187C.11.390B.188C.11.391B.189C.11.393B.191C.11.394B.192C.11.395B.193C.11.396B.194C.11.397B.195C.1	1.371	B.169	C.1
1.374B.172C.11.375B.173C.11.376B.174C.11.377B.175C.11.378B.176C.11.379B.177C.11.379B.178C.11.380B.178C.11.381B.179C.11.382B.180C.11.383B.181C.11.384B.182C.11.385B.183C.11.386B.184C.11.387B.185C.11.389B.187C.11.390B.188C.11.391B.189C.11.393B.191C.11.394B.192C.11.395B.193C.11.397B.195C.1	1.372	B.170	C.1
1.375B.173C.11.376B.174C.11.377B.175C.11.378B.176C.11.379B.177C.11.380B.178C.11.381B.179C.11.382B.180C.11.383B.181C.11.384B.182C.11.385B.183C.11.386B.184C.11.387B.185C.11.388B.186C.11.390B.187C.11.391B.189C.11.393B.191C.11.394B.192C.11.395B.193C.11.397B.195C.1	1.373	B.171	C.1
1.376B.174C.11.377B.175C.11.378B.176C.11.379B.177C.11.379B.177C.11.380B.178C.11.381B.179C.11.382B.180C.11.383B.181C.11.384B.182C.11.385B.183C.11.386B.184C.11.387B.185C.11.388B.186C.11.390B.187C.11.391B.189C.11.392B.190C.11.393B.191C.11.394B.192C.11.395B.193C.11.397B.195C.1	1.374	B.172	C.1
1.377B.175C.11.378B.176C.11.379B.177C.11.380B.178C.11.381B.179C.11.382B.180C.11.383B.181C.11.384B.182C.11.385B.183C.11.386B.184C.11.387B.185C.11.389B.187C.11.390B.188C.11.391B.189C.11.393B.191C.11.394B.192C.11.395B.193C.11.396B.194C.11.397B.195C.1	1.375	B.173	C.1
1.378B.176C.11.379B.177C.11.380B.178C.11.381B.179C.11.382B.180C.11.383B.181C.11.383B.181C.11.384B.182C.11.385B.183C.11.386B.184C.11.387B.185C.11.389B.186C.11.390B.188C.11.391B.189C.11.393B.191C.11.394B.192C.11.395B.193C.11.397B.195C.1	1.376	B.174	C.1
1.379B.177C.11.380B.178C.11.381B.179C.11.382B.180C.11.383B.181C.11.384B.182C.11.385B.183C.11.386B.184C.11.387B.185C.11.389B.187C.11.390B.188C.11.391B.189C.11.392B.190C.11.394B.192C.11.396B.194C.11.397B.195C.1	1.377	B.175	C.1
1.380B.178C.11.381B.179C.11.382B.180C.11.382B.181C.11.383B.181C.11.384B.182C.11.385B.183C.11.386B.184C.11.387B.185C.11.389B.186C.11.390B.187C.11.391B.189C.11.393B.191C.11.394B.192C.11.395B.193C.11.397B.195C.1	1.378	B.176	C.1
1.381B.179C.11.382B.180C.11.383B.181C.11.383B.181C.11.384B.182C.11.385B.183C.11.386B.184C.11.387B.185C.11.388B.186C.11.389B.187C.11.390B.188C.11.391B.189C.11.392B.190C.11.393B.191C.11.394B.192C.11.395B.193C.11.397B.195C.1	1.379	B.177	C.1
1.382B.180C.11.383B.181C.11.384B.182C.11.385B.183C.11.385B.183C.11.386B.184C.11.387B.185C.11.388B.186C.11.389B.187C.11.390B.188C.11.391B.189C.11.393B.191C.11.394B.192C.11.395B.193C.11.397B.195C.1	1.380	B.178	C.1
1.383B.181C.11.384B.182C.11.385B.183C.11.385B.183C.11.386B.184C.11.387B.185C.11.388B.186C.11.389B.187C.11.390B.188C.11.391B.189C.11.392B.190C.11.393B.191C.11.394B.192C.11.395B.193C.11.397B.195C.1	1.381	B.179	C.1
1.384B.182C.11.385B.183C.11.386B.184C.11.386B.184C.11.387B.185C.11.388B.186C.11.389B.187C.11.390B.188C.11.391B.189C.11.392B.190C.11.393B.191C.11.394B.192C.11.396B.194C.11.397B.195C.1	1.382	B.180	C.1
1.385B.183C.11.386B.184C.11.387B.185C.11.387B.185C.11.388B.186C.11.389B.187C.11.390B.188C.11.391B.189C.11.392B.190C.11.393B.191C.11.394B.192C.11.395B.193C.11.396B.194C.11.397B.195C.1	1.383	B.181	C.1
1.386B.184C.11.387B.185C.11.387B.186C.11.388B.186C.11.389B.187C.11.390B.188C.11.391B.189C.11.392B.190C.11.393B.191C.11.394B.192C.11.395B.193C.11.396B.194C.11.397B.195C.1	1.384	B.182	C.1
1.387B.185C.11.388B.186C.11.389B.187C.11.390B.188C.11.391B.189C.11.392B.190C.11.393B.191C.11.394B.192C.11.395B.193C.11.396B.194C.11.397B.195C.1	1.385	B.183	C.1
1.388B.186C.11.389B.187C.11.390B.188C.11.391B.189C.11.392B.190C.11.393B.191C.11.394B.192C.11.395B.193C.11.396B.194C.11.397B.195C.1	1.386	B.184	C.1
1.389B.187C.11.390B.188C.11.391B.189C.11.392B.190C.11.393B.191C.11.394B.192C.11.395B.193C.11.396B.194C.11.397B.195C.1	1.387	B.185	C.1
1.390B.188C.11.391B.189C.11.392B.190C.11.393B.191C.11.394B.192C.11.395B.193C.11.396B.194C.11.397B.195C.1	1.388	B.186	C.1
1.391B.189C.11.392B.190C.11.393B.191C.11.394B.192C.11.395B.193C.11.396B.194C.11.397B.195C.1	1.389	B.187	C.1
1.392B.190C.11.393B.191C.11.394B.192C.11.395B.193C.11.396B.194C.11.397B.195C.1	1.390	B.188	C.1
1.393B.191C.11.394B.192C.11.395B.193C.11.396B.194C.11.397B.195C.1	1.391	B.189	C.1
1.394B.192C.11.395B.193C.11.396B.194C.11.397B.195C.1	1.392	B.190	C.1
1.395B.193C.11.396B.194C.11.397B.195C.1	1.393	B.191	C.1
1.396B.194C.11.397B.195C.1	1.394	B.192	C.1
1.397 B.195 C.1	1.395	B.193	C.1
	1.396	B.194	C.1
1.398 B.196 C.1	1.397	B.195	C.1
	1.398	B.196	C.1

comp.	herbi-	safener
no.	cide B	С
1.399	B.197	C.1
1.400	B.198	C.1
1.401	B.199	C.1
1.402	B.200	C.1
1.403	B.201	C.1
1.404	B.202	C.1
1.405	B.1	C.2
1.406	B.2	C.2
1.407	B.3	C.2
1.408	B.4	C.2
1.409	B.5	C.2
1.410	B.6	C.2
1.411	B.7	C.2
1.412	B.8	C.2
1.413	B.9	C.2
1.414	B.10	C.2
1.415	B.11	C.2
1.416	B.12	C.2
1.417	B.13	C.2
1.418	B.14	C.2
1.419	B.15	C.2
1.420	B.16	C.2
1.421	B.17	C.2
1.422	B.18	C.2
1.423	B.19	C.2
1.424	B.20	C.2
1.425	B.21	C.2
1.426	B.22	C.2
1.427	B.23	C.2
1.428	B.24	C.2
1.429	B.25	C.2
1.430	B.26	C.2
1.431	B.27	C.2
1.432	B.28	C.2
1.433	B.29	C.2
1.434	B.30	C.2
1.435	B.31	C.2
1.436	B.32	C.2
1.437	B.33	C.2
1.438	B.34	C.2
1.439	B.35	C.2

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comp.	herbi-	safener
no.	cide B	С
1.440	B.36	C.2
1.441	B.37	C.2
1.442	B.38	C.2
1.443	B.39	C.2
1.444	B.40	C.2
1.445	B.41	C.2
1.446	B.42	C.2
1.447	B.43	C.2
1.448	B.44	C.2
1.449	B.45	C.2
1.450	B.46	C.2
1.451	B.47	C.2
1.452	B.48	C.2
1.453	B.49	C.2
1.454	B.50	C.2
1.455	B.51	C.2
1.456	B.52	C.2
1.457	B.53	C.2
1.458	B.54	C.2
1.459	B.55	C.2
1.460	B.56	C.2
1.461	B.57	C.2
1.462	B.58	C.2
1.463	B.59	C.2
1.464	B.60	C.2
1.465	B.61	C.2
1.466	B.62	C.2
1.467	B.63	C.2
1.468	B.64	C.2
1.469	B.65	C.2
1.470	B.66	C.2
1.471	B.67	C.2
1.472	B.68	C.2
1.473	B.69	C.2
1.474	B.70	C.2
1.475	B.71	C.2
1.476	B.72	C.2
1.477	B.73	C.2
1.478	B.74	C.2
1.479	B.75	C.2
1.480	B.76	C.2
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comp.	herbi-	safener
no.	cide B	С
1.481	B.77	C.2
1.482	B.78	C.2
1.483	B.79	C.2
1.484	B.80	C.2
1.485	B.81	C.2
1.486	B.82	C.2
1.487	B.83	C.2
1.488	B.84	C.2
1.489	B.85	C.2
1.490	B.86	C.2
1.491	B.87	C.2
1.492	B.88	C.2
1.493	B.89	C.2
1.494	B.90	C.2
1.495	B.91	C.2
1.496	B.92	C.2
1.497	B.93	C.2
1.498	B.94	C.2
1.499	B.95	C.2
1.500	B.96	C.2
1.501	B.97	C.2
1.502	B.98	C.2
1.503	B.99	C.2
1.504	B.100	C.2
1.505	B.101	C.2
1.506	B.102	C.2
1.507	B.103	C.2
1.508	B.104	C.2
1.509	B.105	C.2
1.510	B.106	C.2
1.511	B.107	C.2
1.512	B.108	C.2
1.513	B.109	C.2
1.514	B.110	C.2
1.515	B.111	C.2
1.516	B.112	C.2
1.517	B.113	C.2
1.518	B.114	C.2
1.519	B.115	C.2
1.520	B.116	C.2
1.521	B.117	C.2
1.521	Б.117	0.2

	02	
comp.	herbi-	safener
no.	cide B	С
1.522	B.118	C.2
1.523	B.119	C.2
1.524	B.120	C.2
1.525	B.121	C.2
1.526	B.122	C.2
1.527	B.123	C.2
1.528	B.124	C.2
1.529	B.125	C.2
1.530	B.126	C.2
1.531	B.127	C.2
1.532	B.128	C.2
1.533	B.129	C.2
1.534	B.130	C.2
1.535	B.131	C.2
1.536	B.132	C.2
1.537	B.133	C.2
1.538	B.134	C.2
1.539	B.135	C.2
1.540	B.136	C.2
1.541	B.137	C.2
1.542	B.138	C.2
1.543	B.139	C.2
1.544	B.140	C.2
1.545	B.141	C.2
1.546	B.142	C.2
1.547	B.143	C.2
1.548	B.144	C.2
1.549	B.145	C.2
1.550	B.146	C.2
1.551	B.147	C.2
1.552	B.148	C.2
1.553	B.149	C.2
1.554	B.150	C.2
1.555	B.151	C.2
1.556	B.152	C.2
1.557	B.153	C.2
1.558	B.154	C.2
1.559	B.155	C.2
1.560	B.156	C.2
1.561	B.157	C.2
1.562	B.158	C.2
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comp.	herbi-	safener
no.	cide B	С
1.563	B.159	C.2
1.564	B.160	C.2
1.565	B.161	C.2
1.566	B.162	C.2
1.567	B.163	C.2
1.568	B.164	C.2
1.569	B.165	C.2
1.570	B.166	C.2
1.571	B.167	C.2
1.572	B.168	C.2
1.573	B.169	C.2
1.574	B.170	C.2
1.575	B.171	C.2
1.576	B.172	C.2
1.577	B.173	C.2
1.578	B.174	C.2
1.579	B.175	C.2
1.580	B.176	C.2
1.581	B.177	C.2
1.582	B.178	C.2
1.583	B.179	C.2
1.584	B.180	C.2
1.585	B.181	C.2
1.586	B.182	C.2
1.587	B.183	C.2
1.588	B.184	C.2
1.589	B.185	C.2
1.590	B.186	C.2
1.591	B.187	C.2
1.592	B.188	C.2
1.593	B.189	C.2
1.594	B.190	C.2
1.595	B.191	C.2
1.596	B.192	C.2
1.597	B.193	C.2
1.598	B.194	C.2
1.599	B.195	C.2
1.600	B.196	C.2
1.601	B.197	C.2
1.602	B.198	C.2
1.603	B.199	C.2
		1

no.cide BC1.604B.200C.21.605B.201C.21.606B.202C.21.607B.1C.31.608B.2C.31.609B.3C.31.610B.4C.31.611B.5C.31.612B.6C.31.613B.7C.31.614B.8C.31.615B.9C.31.616B.10C.31.617B.11C.31.618B.12C.31.619B.13C.31.620B.14C.31.621B.15C.31.623B.16C.31.624B.18C.31.625B.19C.31.626B.20C.31.627B.21C.31.628B.22C.31.630B.24C.31.631B.25C.31.632B.26C.3	omp.	herbi-	safener
1.605B.201C.21.606B.202C.21.607B.1C.31.608B.2C.31.609B.3C.31.610B.4C.31.610B.4C.31.611B.5C.31.612B.6C.31.613B.7C.31.614B.8C.31.615B.9C.31.616B.10C.31.617B.11C.31.618B.12C.31.619B.13C.31.620B.14C.31.621B.15C.31.623B.17C.31.624B.18C.31.625B.19C.31.626B.20C.31.627B.21C.31.628B.22C.31.630B.24C.31.631B.25C.31.632B.26C.3		cide B	С
1.605B.201C.21.606B.202C.21.607B.1C.31.608B.2C.31.609B.3C.31.610B.4C.31.611B.5C.31.612B.6C.31.613B.7C.31.614B.8C.31.615B.9C.31.616B.10C.31.617B.11C.31.618B.12C.31.619B.13C.31.620B.14C.31.621B.15C.31.623B.17C.31.624B.18C.31.625B.19C.31.626B.20C.31.627B.21C.31.628B.22C.31.630B.24C.31.631B.25C.31.632B.26C.3	1.604	B.200	C.2
1.607B.1C.31.608B.2C.31.609B.3C.31.610B.4C.31.611B.5C.31.612B.6C.31.613B.7C.31.614B.8C.31.615B.9C.31.616B.10C.31.617B.11C.31.618B.12C.31.619B.13C.31.620B.14C.31.621B.15C.31.623B.17C.31.624B.18C.31.625B.19C.31.626B.20C.31.628B.22C.31.630B.24C.31.631B.25C.31.631B.25C.3	1.605	B.201	
1.608B.2C.31.609B.3C.31.610B.4C.31.611B.5C.31.612B.6C.31.613B.7C.31.614B.8C.31.615B.9C.31.616B.10C.31.617B.11C.31.618B.12C.31.619B.13C.31.620B.14C.31.621B.15C.31.623B.17C.31.624B.18C.31.625B.19C.31.626B.20C.31.628B.22C.31.630B.24C.31.631B.25C.31.632B.26C.3	1.606	B.202	C.2
1.609B.3C.31.610B.4C.31.611B.5C.31.612B.6C.31.612B.7C.31.613B.7C.31.614B.8C.31.615B.9C.31.616B.10C.31.617B.11C.31.618B.12C.31.619B.13C.31.620B.14C.31.621B.15C.31.623B.17C.31.624B.18C.31.625B.19C.31.626B.20C.31.628B.22C.31.630B.24C.31.631B.25C.31.632B.26C.3	1.607	B.1	C.3
1.610B.4C.31.611B.5C.31.612B.6C.31.613B.7C.31.614B.8C.31.615B.9C.31.616B.10C.31.617B.11C.31.618B.12C.31.619B.13C.31.620B.14C.31.621B.15C.31.623B.17C.31.624B.18C.31.625B.19C.31.626B.20C.31.628B.22C.31.629B.23C.31.630B.24C.31.631B.25C.31.632B.26C.3	1.608	B.2	C.3
1.611B.5C.31.612B.6C.31.613B.7C.31.614B.8C.31.615B.9C.31.616B.10C.31.617B.11C.31.618B.12C.31.619B.13C.31.620B.14C.31.621B.15C.31.623B.17C.31.624B.18C.31.625B.19C.31.626B.20C.31.627B.21C.31.628B.22C.31.630B.24C.31.631B.25C.31.632B.26C.3	1.609	B.3	C.3
1.612B.6C.31.613B.7C.31.614B.8C.31.615B.9C.31.616B.10C.31.617B.11C.31.618B.12C.31.619B.13C.31.620B.14C.31.621B.15C.31.623B.17C.31.624B.18C.31.625B.19C.31.626B.20C.31.627B.21C.31.628B.22C.31.630B.24C.31.631B.25C.31.632B.26C.3	1.610	B.4	C.3
1.613B.7C.31.614B.8C.31.615B.9C.31.615B.9C.31.616B.10C.31.617B.11C.31.618B.12C.31.619B.13C.31.620B.14C.31.621B.15C.31.623B.17C.31.624B.18C.31.625B.19C.31.626B.20C.31.627B.21C.31.628B.22C.31.630B.24C.31.631B.25C.31.632B.26C.3	1.611	B.5	C.3
1.614B.8C.31.615B.9C.31.616B.10C.31.617B.11C.31.617B.12C.31.618B.12C.31.619B.13C.31.620B.14C.31.621B.15C.31.623B.17C.31.624B.18C.31.625B.19C.31.626B.20C.31.627B.21C.31.628B.22C.31.630B.24C.31.631B.25C.31.632B.26C.3	1.612	B.6	C.3
1.615B.9C.31.616B.10C.31.617B.11C.31.617B.11C.31.618B.12C.31.619B.13C.31.620B.14C.31.621B.15C.31.622B.16C.31.623B.17C.31.624B.18C.31.625B.19C.31.626B.20C.31.627B.21C.31.628B.22C.31.629B.23C.31.630B.24C.31.631B.25C.31.632B.26C.3	1.613	B.7	C.3
1.616B.10C.31.617B.11C.31.617B.12C.31.618B.12C.31.619B.13C.31.620B.14C.31.621B.15C.31.622B.16C.31.623B.17C.31.624B.18C.31.625B.19C.31.626B.20C.31.627B.21C.31.628B.22C.31.630B.24C.31.631B.25C.31.632B.26C.3	1.614	B.8	C.3
1.617B.11C.31.618B.12C.31.619B.13C.31.620B.14C.31.621B.15C.31.621B.16C.31.623B.17C.31.623B.17C.31.624B.18C.31.625B.19C.31.626B.20C.31.627B.21C.31.628B.22C.31.629B.23C.31.630B.24C.31.631B.25C.31.632B.26C.3	1.615	B.9	C.3
1.618B.12C.31.619B.13C.31.620B.14C.31.621B.15C.31.621B.15C.31.623B.17C.31.623B.17C.31.624B.18C.31.625B.19C.31.626B.20C.31.627B.21C.31.628B.22C.31.629B.23C.31.630B.24C.31.631B.25C.31.632B.26C.3	1.616	B.10	C.3
1.619B.13C.31.620B.14C.31.621B.15C.31.621B.15C.31.622B.16C.31.623B.17C.31.624B.18C.31.625B.19C.31.626B.20C.31.627B.21C.31.628B.22C.31.629B.23C.31.630B.24C.31.631B.25C.31.632B.26C.3	1.617	B.11	C.3
1.620B.14C.31.621B.15C.31.622B.16C.31.623B.17C.31.624B.18C.31.625B.19C.31.626B.20C.31.627B.21C.31.628B.22C.31.629B.23C.31.630B.24C.31.631B.25C.31.632B.26C.3	1.618	B.12	C.3
1.621B.15C.31.622B.16C.31.623B.17C.31.624B.18C.31.625B.19C.31.626B.20C.31.627B.21C.31.628B.22C.31.629B.23C.31.630B.24C.31.631B.25C.31.632B.26C.3	1.619	B.13	C.3
1.622B.16C.31.623B.17C.31.624B.18C.31.625B.19C.31.626B.20C.31.627B.21C.31.628B.22C.31.629B.23C.31.630B.24C.31.631B.25C.31.632B.26C.3	1.620	B.14	C.3
1.623B.17C.31.624B.18C.31.625B.19C.31.626B.20C.31.627B.21C.31.628B.22C.31.629B.23C.31.630B.24C.31.631B.25C.31.632B.26C.3	1.621	B.15	C.3
1.624B.18C.31.625B.19C.31.626B.20C.31.627B.21C.31.628B.22C.31.629B.23C.31.630B.24C.31.631B.25C.31.632B.26C.3	1.622	B.16	C.3
1.625B.19C.31.626B.20C.31.627B.21C.31.628B.22C.31.629B.23C.31.630B.24C.31.631B.25C.31.632B.26C.3	1.623	B.17	C.3
1.626B.20C.31.627B.21C.31.628B.22C.31.629B.23C.31.630B.24C.31.631B.25C.31.632B.26C.3	1.624	B.18	C.3
1.627B.21C.31.628B.22C.31.629B.23C.31.630B.24C.31.631B.25C.31.632B.26C.3	1.625	B.19	C.3
1.628B.22C.31.629B.23C.31.630B.24C.31.631B.25C.31.632B.26C.3	1.626	B.20	C.3
1.629B.23C.31.630B.24C.31.631B.25C.31.632B.26C.3	1.627	B.21	C.3
1.630B.24C.31.631B.25C.31.632B.26C.3	1.628	B.22	
1.631B.25C.31.632B.26C.3	1.629	B.23	C.3
1.632 B.26 C.3	1.630	B.24	C.3
	1.631	B.25	C.3
1.633 B.27 C.3	1.632	B.26	C.3
	1.633	B.27	C.3
1.634 B.28 C.3	1.634	B.28	C.3
1.635 B.29 C.3	1.635	B.29	C.3
1.636 B.30 C.3	1.636	B.30	C.3
1.637 B.31 C.3	1.637	B.31	C.3
1.638 B.32 C.3	1.638	B.32	
1.639 B.33 C.3	1.639	B.33	C.3
1.640 B.34 C.3	1.640	B.34	C.3
1.641 B.35 C.3	1.641	B.35	C.3
1.642 B.36 C.3	1.642	B.36	C.3
1.643 B.37 C.3			
1.644 B.38 C.3	1.644	B.38	C.3

comp.	herbi-	safener
no.	cide B	C
1.645	B.39	C.3
1.646	B.40	C.3
1.647	B.41	C.3
1.648	B.42	C.3
1.649	B.43	C.3
1.650	B.44	C.3
1.651	B.45	C.3
1.652	B.46	C.3
1.653	B.47	C.3
1.654	B.48	C.3
1.655	B.49	C.3
1.656	B.50	C.3
1.657	B.51	C.3
1.658	B.52	C.3
1.659	B.53	C.3
1.660	B.54	C.3
1.661	B.55	C.3
1.662	B.56	C.3
1.663	B.57	C.3
1.664	B.58	C.3
1.665	B.59	C.3
1.666	B.60	C.3
1.667	B.61	C.3
1.668	B.62	C.3
1.669	B.63	C.3
1.670	B.64	C.3
1.671	B.65	C.3
1.672	B.66	C.3
1.673	B.67	C.3
1.674	B.68	C.3
1.675	B.69	C.3
1.676	B.70	C.3
1.677	B.71	C.3
1.678	B.72	C.3
1.679	B.73	C.3
1.680	B.74	C.3
1.681	B.75	C.3
1.682	B.76	C.3
1.683	B.77	C.3
1.684	B.78	C.3
1.685	B.79	C.3
1.684	B.78	C.3

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comp.	herbi-	safener	
no.	cide B	С	
1.686	B.80	C.3	
1.687	B.81	C.3	
1.688	B.82	C.3	
1.689	B.83	C.3	
1.690	B.84	C.3	
1.691	B.85	C.3	
1.692	B.86	C.3	
1.693	B.87	C.3	
1.694	B.88	C.3	
1.695	B.89	C.3	
1.696	B.90	C.3	
1.697	B.91	C.3	
1.698	B.92	C.3	
1.699	B.93	C.3	
1.700	B.94	C.3	
1.701	B.95	C.3	
1.702	B.96	C.3	
1.703	B.97	C.3	
1.704	B.98	C.3	
1.705	B.99	C.3	
1.706	B.100	C.3	
1.707	B.101	C.3	
1.708	B.102	C.3	
1.709	B.103	C.3	
1.710	B.104	C.3	
1.711	B.105	C.3	
1.712	B.106	C.3	
1.713	B.107	C.3	
1.714	B.108	C.3	
1.715	B.109	C.3	
1.716	B.110	C.3	
1.717	B.111	C.3	
1.718	B.112	C.3	
1.719	B.113	C.3	
1.720	B.114	C.3	
1.721	B.115	C.3	
1.722	B.116	C.3	
1.723	B.117	C.3	
1.724	B.118	C.3	
1.725	B.119	C.3	
1.726	B.120	C.3	

comp.	herbi-	safener
no.	cide B	С
1.727	B.121	C.3
1.728	B.122	C.3
1.729	B.123	C.3
1.730	B.124	C.3
1.731	B.125	C.3
1.732	B.126	C.3
1.733	B.127	C.3
1.734	B.128	C.3
1.735	B.129	C.3
1.736	B.130	C.3
1.737	B.131	C.3
1.738	B.132	C.3
1.739	B.133	C.3
1.740	B.134	C.3
1.741	B.135	C.3
1.742	B.136	C.3
1.743	B.137	C.3
1.744	B.138	C.3
1.745	B.139	C.3
1.746	B.140	C.3
1.747	B.141	C.3
1.748	B.142	C.3
1.749	B.143	C.3
1.750	B.144	C.3
1.751	B.145	C.3
1.752	B.146	C.3
1.753	B.147	C.3
1.754	B.148	C.3
1.755	B.149	C.3
1.756	B.150	C.3
1.757	B.151	C.3
1.758	B.152	C.3
1.759	B.153	C.3
1.760	B.154	C.3
1.761	B.155	C.3
1.762	B.156	C.3
1.763	B.157	C.3
1.764	B.158	C.3
1.765	B.159	C.3
1.766	B.160	C.3
1.767	B.161	C.3

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comp.	herbi-	safener
no.	cide B	C
1.768	B.162	C.3
1.769	B.163	C.3
1.770	B.164	C.3
1.771	B.165	C.3
1.772	B.166	C.3
1.773	B.167	C.3
1.774	B.168	C.3
1.775	B.169	C.3
1.776	B.170	C.3
1.777	B.171	C.3
1.778	B.172	C.3
1.779	B.173	C.3
1.780	B.174	C.3
1.781	B.175	C.3
1.782	B.176	C.3
1.783	B.177	C.3
1.784	B.178	C.3
1.785	B.179	C.3
1.786	B.180	C.3
1.787	B.181	C.3
1.788	B.182	C.3
1.789	B.183	C.3
1.790	B.184	C.3
1.791	B.185	C.3
1.792	B.186	C.3
1.793	B.187	C.3
1.794	B.188	C.3
1.795	B.189	C.3
1.796	B.190	C.3
1.797	B.191	C.3
1.798	B.192	C.3
1.799	B.193	C.3
1.800	B.194	C.3
1.801	B.195	C.3
1.802	B.196	C.3
1.803	B.197	C.3
1.804	B.198	C.3
1.805	B.199	C.3
1.806	B.200	C.3
1.807	B.201	C.3
1.808	B.202	C.3
L		0.0

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comp.	herbi-	safener
no.	cide B	С
1.809	B.1	C.4
1.810	B.2	C.4
1.811	B.3	C.4
1.812	B.4	C.4
1.813	B.5	C.4
1.814	B.6	C.4
1.815	B.7	C.4
1.816	B.8	C.4
1.817	B.9	C.4
1.818	B.10	C.4
1.819	B.11	C.4
1.820	B.12	C.4
1.821	B.13	C.4
1.822	B.14	C.4
1.823	B.15	C.4
1.824	B.16	C.4
1.825	B.17	C.4
1.826	B.18	C.4
1.827	B.19	C.4
1.828	B.20	C.4
1.829	B.21	C.4
1.830	B.22	C.4
1.831	B.23	C.4
1.832	B.24	C.4
1.833	B.25	C.4
1.834	B.26	C.4
1.835	B.27	C.4
1.836	B.28	C.4
1.837	B.29	C.4
1.838	B.30	C.4
1.839	B.31	C.4
1.840	B.32	C.4
1.841	B.33	C.4
1.842	B.34	C.4
1.843	B.35	C.4
1.844	B.36	C.4
1.845	B.37	C.4
1.846	B.38	C.4
1.847	B.39	C.4
1.848	B.40	C.4
1.849	B.41	C.4

comp.	herbi-	safener
no.	cide B	С
1.850	B.42	C.4
1.851	B.43	C.4
1.852	B.44	C.4
1.853	B.45	C.4
1.854	B.46	C.4
1.855	B.47	C.4
1.856	B.48	C.4
1.857	B.49	C.4
1.858	B.50	C.4
1.859	B.51	C.4
1.860	B.52	C.4
1.861	B.53	C.4
1.862	B.54	C.4
1.863	B.55	C.4
1.864	B.56	C.4
1.865	B.57	C.4
1.866	B.58	C.4
1.867	B.59	C.4
1.868	B.60	C.4
1.869	B.61	C.4
1.870	B.62	C.4
1.871	B.63	C.4
1.872	B.64	C.4
1.873	B.65	C.4
1.874	B.66	C.4
1.875	B.67	C.4
1.876	B.68	C.4
1.877	B.69	C.4
1.878	B.70	C.4
1.879	B.71	C.4
1.880	B.72	C.4
1.881	B.73	C.4
1.882	B.74	C.4
1.883	B.75	C.4
1.884	B.76	C.4
1.885	B.77	C.4
1.886	B.78	C.4
1.887	B.79	C.4
1.888	B.80	C.4
1.889	B.81	C.4
1.890	B.82	C.4
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comp.herbi- cide Bsafenerno.cide BC1.891B.83C.41.892B.84C.41.893B.85C.41.893B.85C.41.894B.86C.41.895B.87C.41.896B.88C.41.897B.89C.41.898B.90C.41.899B.91C.41.900B.92C.41.901B.93C.41.902B.94C.41.903B.95C.41.904B.96C.41.905B.97C.41.906B.98C.41.907B.99C.41.908B.100C.41.909B.101C.41.910B.102C.41.911B.103C.41.912B.104C.41.913B.105C.41.914B.106C.4
1.891B.83C.41.892B.84C.41.893B.85C.41.893B.85C.41.894B.86C.41.895B.87C.41.896B.88C.41.897B.89C.41.898B.90C.41.899B.91C.41.900B.92C.41.901B.93C.41.902B.94C.41.903B.95C.41.904B.96C.41.905B.97C.41.906B.98C.41.907B.99C.41.908B.100C.41.910B.102C.41.911B.103C.41.912B.104C.41.913B.105C.4
1.892B.84C.41.893B.85C.41.894B.86C.41.895B.87C.41.895B.87C.41.896B.88C.41.897B.89C.41.898B.90C.41.899B.91C.41.900B.92C.41.901B.93C.41.902B.94C.41.903B.95C.41.904B.96C.41.905B.97C.41.906B.98C.41.907B.99C.41.908B.100C.41.910B.102C.41.911B.103C.41.912B.104C.41.913B.105C.4
1.893B.85C.41.894B.86C.41.895B.87C.41.896B.88C.41.897B.89C.41.897B.89C.41.898B.90C.41.899B.91C.41.900B.92C.41.901B.93C.41.902B.94C.41.903B.95C.41.904B.96C.41.905B.97C.41.906B.98C.41.907B.99C.41.908B.100C.41.910B.102C.41.911B.103C.41.912B.104C.41.913B.105C.4
1.894B.86C.41.895B.87C.41.896B.88C.41.897B.89C.41.897B.89C.41.898B.90C.41.899B.91C.41.900B.92C.41.901B.93C.41.902B.94C.41.903B.95C.41.904B.96C.41.905B.97C.41.906B.98C.41.907B.99C.41.908B.100C.41.910B.102C.41.911B.103C.41.912B.104C.41.913B.105C.4
1.895B.87C.41.896B.88C.41.897B.89C.41.897B.89C.41.898B.90C.41.899B.91C.41.900B.92C.41.901B.93C.41.902B.94C.41.903B.95C.41.904B.96C.41.905B.97C.41.906B.98C.41.907B.99C.41.908B.100C.41.909B.101C.41.910B.102C.41.911B.103C.41.913B.105C.4
1.896B.88C.41.897B.89C.41.897B.89C.41.898B.90C.41.899B.91C.41.900B.92C.41.901B.93C.41.902B.94C.41.903B.95C.41.904B.96C.41.905B.97C.41.906B.98C.41.907B.99C.41.908B.100C.41.910B.102C.41.911B.103C.41.912B.104C.41.913B.105C.4
1.897B.89C.41.898B.90C.41.899B.91C.41.900B.92C.41.901B.93C.41.902B.94C.41.903B.95C.41.904B.96C.41.905B.97C.41.906B.98C.41.907B.99C.41.908B.100C.41.910B.102C.41.911B.103C.41.912B.104C.41.913B.105C.4
1.898B.90C.41.899B.91C.41.900B.92C.41.901B.93C.41.902B.94C.41.903B.95C.41.904B.96C.41.905B.97C.41.906B.98C.41.907B.99C.41.908B.100C.41.910B.102C.41.911B.103C.41.912B.104C.41.913B.105C.4
1.899B.91C.41.900B.92C.41.901B.93C.41.902B.94C.41.903B.95C.41.904B.96C.41.905B.97C.41.906B.98C.41.907B.99C.41.908B.100C.41.910B.102C.41.911B.103C.41.912B.104C.41.913B.105C.4
1.900B.92C.41.901B.93C.41.902B.94C.41.903B.95C.41.904B.96C.41.905B.97C.41.906B.98C.41.907B.99C.41.908B.100C.41.909B.101C.41.910B.102C.41.911B.103C.41.912B.104C.41.913B.105C.4
1.901B.93C.41.902B.94C.41.903B.95C.41.904B.96C.41.905B.97C.41.906B.98C.41.907B.99C.41.908B.100C.41.909B.101C.41.910B.102C.41.911B.103C.41.912B.104C.41.913B.105C.4
1.902B.94C.41.903B.95C.41.904B.96C.41.905B.97C.41.906B.98C.41.907B.99C.41.908B.100C.41.909B.101C.41.910B.102C.41.911B.103C.41.912B.104C.41.913B.105C.4
1.903B.95C.41.904B.96C.41.905B.97C.41.906B.98C.41.907B.99C.41.908B.100C.41.909B.101C.41.910B.102C.41.911B.103C.41.912B.104C.41.913B.105C.4
1.904B.96C.41.905B.97C.41.906B.98C.41.907B.99C.41.908B.100C.41.909B.101C.41.910B.102C.41.911B.103C.41.912B.104C.41.913B.105C.4
1.905B.97C.41.906B.98C.41.907B.99C.41.908B.100C.41.909B.101C.41.910B.102C.41.911B.103C.41.912B.104C.41.913B.105C.4
1.906B.98C.41.907B.99C.41.908B.100C.41.909B.101C.41.910B.102C.41.911B.103C.41.912B.104C.41.913B.105C.4
1.907B.99C.41.908B.100C.41.909B.101C.41.910B.102C.41.911B.103C.41.912B.104C.41.913B.105C.4
1.908B.100C.41.909B.101C.41.910B.102C.41.911B.103C.41.912B.104C.41.913B.105C.4
1.909B.101C.41.910B.102C.41.911B.103C.41.912B.104C.41.913B.105C.4
1.910B.102C.41.911B.103C.41.912B.104C.41.913B.105C.4
1.911B.103C.41.912B.104C.41.913B.105C.4
1.912B.104C.41.913B.105C.4
1.913 B.105 C.4
1914 B 106 C 4
1.915 B.107 C.4
1.916 B.108 C.4
1.917 B.109 C.4
1.918 B.110 C.4
1.919 B.111 C.4
1.920 B.112 C.4
1.921 B.113 C.4
1.922 B.114 C.4
1.923 B.115 C.4
1.924 B.116 C.4
1.925 B.117 C.4
1.926 B.118 C.4
1.927 B.119 C.4
1.928 B.120 C.4
1.929 B.121 C.4
1.930 B.122 C.4
1.931 B.123 C.4

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comp.	herbi-	safener
no.	cide B	С
1.932	B.124	C.4
1.933	B.125	C.4
1.934	B.126	C.4
1.935	B.127	C.4
1.936	B.128	C.4
1.937	B.129	C.4
1.938	B.130	C.4
1.939	B.131	C.4
1.940	B.132	C.4
1.941	B.133	C.4
1.942	B.134	C.4
1.943	B.135	C.4
1.944	B.136	C.4
1.945	B.137	C.4
1.946	B.138	C.4
1.947	B.139	C.4
1.948	B.140	C.4
1.949	B.141	C.4
1.950	B.142	C.4
1.951	B.143	C.4
1.952	B.144	C.4
1.953	B.145	C.4
1.954	B.146	C.4
1.955	B.147	C.4
1.956	B.148	C.4
1.957	B.149	C.4
1.958	B.150	C.4
1.959	B.151	C.4
1.960	B.152	C.4
1.961	B.153	C.4
1.962	B.154	C.4
1.963	B.155	C.4
1.964	B.156	C.4
1.965	B.157	C.4
1.966	B.158	C.4
1.967	B.159	C.4
1.968	B.160	C.4
1.969	B.161	C.4
1.970	B.162	C.4
1.971	B.163	C.4
1.972	B.164	C.4
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comp.	herbi-	safener
no.	cide B	С
1.973	B.165	C.4
1.974	B.166	C.4
1.975	B.167	C.4
1.976	B.168	C.4
1.977	B.169	C.4
1.978	B.170	C.4
1.979	B.171	C.4
1.980	B.172	C.4
1.981	B.173	C.4
1.982	B.174	C.4
1.983	B.175	C.4
1.984	B.176	C.4
1.985	B.177	C.4
1.986	B.178	C.4
1.987	B.179	C.4
1.988	B.180	C.4
1.989	B.181	C.4
1.990	B.182	C.4
1.991	B.183	C.4
1.992	B.184	C.4
1.993	B.185	C.4
1.994	B.186	C.4
1.995	B.187	C.4
1.996	B.188	C.4
1.997	B.189	C.4
1.998	B.190	C.4
1.999	B.191	C.4
1.1000	B.192	C.4
1.1001	B.193	C.4
1.1002	B.194	C.4
1.1003	B.195	C.4
1.1004	B.196	C.4
1.1005	B.197	C.4
1.1006	B.198	C.4
1.1007	B.199	C.4
1.1008	B.200	C.4
1.1009	B.201	C.4
1.1010	B.202	C.4
1.1011	B.1	C.5
1.1012	B.2	C.5
1.1013	B.3	C.5

comp.	herbi-	safener
no.	cide B	C
1.1014	B.4	C.5
1.1014	B.5	C.5
1.1015	B.6	C.5
1.1010	B.7	
		C.5
1.1018	B.8	C.5
1.1019	B.9	C.5
1.1020	B.10	C.5
1.1021	B.11	C.5
1.1022	B.12	C.5
1.1023	B.13	C.5
1.1024	B.14	C.5
1.1025	B.15	C.5
1.1026	B.16	C.5
1.1027	B.17	C.5
1.1028	B.18	C.5
1.1029	B.19	C.5
1.1030	B.20	C.5
1.1031	B.21	C.5
1.1032	B.22	C.5
1.1033	B.23	C.5
1.1034	B.24	C.5
1.1035	B.25	C.5
1.1036	B.26	C.5
1.1037	B.27	C.5
1.1038	B.28	C.5
1.1039	B.29	C.5
1.1040	B.30	C.5
1.1041	B.31	C.5
1.1042	B.32	C.5
1.1043	B.33	C.5
1.1044	B.34	C.5
1.1045	B.35	C.5
1.1046	B.36	C.5
1.1047	B.37	C.5
1.1048	B.38	C.5
1.1049	B.39	C.5
1.1050	B.40	C.5
1.1051	B.41	C.5
1.1052	B.42	C.5
1.1052	B.43	C.5
1.1053	B.44	C.5
_	0.44	0.0

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comp.	herbi-	safener
no.	cide B	С
1.1055	B.45	C.5
1.1056	B.46	C.5
1.1057	B.47	C.5
1.1058	B.48	C.5
1.1059	B.49	C.5
1.1060	B.50	C.5
1.1061	B.51	C.5
1.1062	B.52	C.5
1.1063	B.53	C.5
1.1064	B.54	C.5
1.1065	B.55	C.5
1.1066	B.56	C.5
1.1067	B.57	C.5
1.1068	B.58	C.5
1.1069	B.59	C.5
1.1070	B.60	C.5
1.1071	B.61	C.5
1.1072	B.62	C.5
1.1073	B.63	C.5
1.1074	B.64	C.5
1.1075	B.65	C.5
1.1076	B.66	C.5
1.1077	B.67	C.5
1.1078	B.68	C.5
1.1079	B.69	C.5
1.1080	B.70	C.5
1.1081	B.71	C.5
1.1082	B.72	C.5
1.1083	B.73	C.5
1.1084	B.74	C.5
1.1085	B.75	C.5
1.1086	B.76	C.5
1.1087	B.77	C.5
1.1088	B.78	C.5
1.1089	B.79	C.5
1.1090	B.80	C.5
1.1091	B.81	C.5
1.1092	B.82	C.5
1.1093	B.83	C.5
1.1094	B.84	C.5
1.1095	B.85	C.5

comp.	herbi-	safener
no.	cide B	C
1.1096	B.86	C.5
1.1097	B.87	C.5
1.1098	B.88	C.5
1.1099	B.89	C.5
1.1100	B.90	C.5
1.1101	B.91	C.5
1.1102	B.92	C.5
1.1103	B.93	C.5
1.1104	B.94	C.5
1.1105	B.95	C.5
1.1106	B.96	C.5
1.1107	B.97	C.5
1.1108	B.98	C.5
1.1109	B.99	C.5
1.1110	B.100	C.5
1.1111	B.101	C.5
1.1112	B.102	C.5
1.1113	B.103	C.5
1.1114	B.104	C.5
1.1115	B.105	C.5
1.1116	B.106	C.5
1.1117	B.107	C.5
1.1118	B.108	C.5
1.1119	B.109	C.5
1.1120	B.110	C.5
1.1121	B.111	C.5
1.1122	B.112	C.5
1.1123	B.113	C.5
1.1124	B.114	C.5
1.1125	B.115	C.5
1.1126	B.116	C.5
1.1127	B.117	C.5
1.1128	B.118	C.5
1.1129	B.119	C.5
1.1130	B.120	C.5
1.1131	B.121	C.5
1.1132	B.122	C.5
1.1133	B.123	C.5
1.1134	B.124	C.5
1.1135	B.125	C.5
1.1136	B.126	C.5

comp.	herbi-	safener
no.	cide B	С
1.1137	B.127	C.5
1.1138	B.128	C.5
1.1139	B.129	C.5
1.1140	B.130	C.5
1.1141	B.131	C.5
1.1142	B.132	C.5
1.1143	B.133	C.5
1.1144	B.134	C.5
1.1145	B.135	C.5
1.1146	B.136	C.5
1.1147	B.137	C.5
1.1148	B.138	C.5
1.1149	B.139	C.5
1.1150	B.140	C.5
1.1151	B.141	C.5
1.1152	B.142	C.5
1.1153	B.143	C.5
1.1154	B.144	C.5
1.1155	B.145	C.5
1.1156	B.146	C.5
1.1157	B.147	C.5
1.1158	B.148	C.5
1.1159	B.149	C.5
1.1160	B.150	C.5
1.1161	B.151	C.5
1.1162	B.152	C.5
1.1163	B.153	C.5
1.1164	B.154	C.5
1.1165	B.155	C.5
1.1166	B.156	C.5
1.1167	B.157	C.5
1.1168	B.158	C.5
1.1169	B.159	C.5
1.1170	B.160	C.5
1.1171	B.161	C.5
1.1172	B.162	C.5
1.1173	B.163	C.5
1.1174	B.164	C.5
1.1175	B.165	C.5
1.1176	B.166	C.5
1.1177	B.167	C.5

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comp.	herbi-	safener
no.	cide B	С
1.1178	B.168	C.5
1.1179	B.169	C.5
1.1180	B.170	C.5
1.1181	B.171	C.5
1.1182	B.172	C.5
1.1183	B.173	C.5
1.1184	B.174	C.5
1.1185	B.175	C.5
1.1186	B.176	C.5
1.1187	B.177	C.5
1.1188	B.178	C.5
1.1189	B.179	C.5
1.1190	B.180	C.5
1.1191	B.181	C.5
1.1192	B.182	C.5
1.1193	B.183	C.5
1.1194	B.184	C.5
1.1195	B.185	C.5
1.1196	B.186	C.5
1.1197	B.187	C.5
1.1198	B.188	C.5
1.1199	B.189	C.5
1.1200	B.190	C.5
1.1201	B.191	C.5
1.1202	B.192	C.5
1.1203	B.193	C.5
1.1204	B.194	C.5
1.1205	B.195	C.5
1.1206	B.196	C.5
1.1207	B.197	C.5
1.1208	B.198	C.5
1.1209	B.199	C.5
1.1210	B.200	C.5
1.1211	B.201	C.5
1.1212	B.202	C.5
1.1213	B.1	C.6
1.1214	B.2	C.6
1.1215	B.3	C.6
1.1216	B.4	C.6
1.1217	B.5	C.6
1.1218	B.6	C.6
	2.0	

comp.	herbi-	safener
no.	cide B	С
1.1219	B.7	C.6
1.1220	B.8	C.6
1.1221	B.9	C.6
1.1222	B.10	C.6
1.1223	B.11	C.6
1.1224	B.12	C.6
1.1225	B.13	C.6
1.1226	B.14	C.6
1.1227	B.15	C.6
1.1228	B.16	C.6
1.1229	B.17	C.6
1.1230	B.18	C.6
1.1231	B.19	C.6
1.1232	B.20	C.6
1.1233	B.21	C.6
1.1234	B.22	C.6
1.1235	B.23	C.6
1.1236	B.24	C.6
1.1237	B.25	C.6
1.1238	B.26	C.6
1.1239	B.27	C.6
1.1240	B.28	C.6
1.1241	B.29	C.6
1.1242	B.30	C.6
1.1243	B.31	C.6
1.1244	B.32	C.6
1.1245	B.33	C.6
1.1246	B.34	C.6
1.1247	B.35	C.6
1.1248	B.36	C.6
1.1249	B.37	C.6
1.1250	B.38	C.6
1.1251	B.39	C.6
1.1252	B.40	C.6
1.1253	B.41	C.6
1.1254	B.42	C.6
1.1255	B.43	C.6
1.1256	B.44	C.6
1.1257	B.45	C.6
1.1258	B.46	C.6
1.1259	B.47	C.6

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comp.	herbi-	safener
no.	cide B	С
1.1260	B.48	C.6
1.1261	B.49	C.6
1.1262	B.50	C.6
1.1263	B.51	C.6
1.1264	B.52	C.6
1.1265	B.53	C.6
1.1266	B.54	C.6
1.1267	B.55	C.6
1.1268	B.56	C.6
1.1269	B.57	C.6
1.1270	B.58	C.6
1.1271	B.59	C.6
1.1272	B.60	C.6
1.1273	B.61	C.6
1.1274	B.62	C.6
1.1275	B.63	C.6
1.1276	B.64	C.6
1.1277	B.65	C.6
1.1278	B.66	C.6
1.1279	B.67	C.6
1.1280	B.68	C.6
1.1281	B.69	C.6
1.1282	B.70	C.6
1.1283	B.71	C.6
1.1284	B.72	C.6
1.1285	B.73	C.6
1.1286	B.74	C.6
1.1287	B.75	C.6
1.1288	B.76	C.6
1.1289	B.77	C.6
1.1290	B.78	C.6
1.1291	B.79	C.6
1.1292	B.80	C.6
1.1293	B.81	C.6
1.1294	B.82	C.6
1.1295	B.83	C.6
1.1296	B.84	C.6
1.1297	B.85	C.6
1.1298	B.86	C.6
1.1299	B.87	C.6
1.1300	B.88	C.6
L	1	1

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comp.	herbi-	safener
no.	cide B	С
1.1301	B.89	C.6
1.1302	B.90	C.6
1.1303	B.91	C.6
1.1304	B.92	C.6
1.1305	B.93	C.6
1.1306	B.94	C.6
1.1307	B.95	C.6
1.1308	B.96	C.6
1.1309	B.97	C.6
1.1310	B.98	C.6
1.1311	B.99	C.6
1.1312	B.100	C.6
1.1313	B.101	C.6
1.1314	B.102	C.6
1.1315	B.103	C.6
1.1316	B.104	C.6
1.1317	B.105	C.6
1.1318	B.106	C.6
1.1319	B.107	C.6
1.1320	B.108	C.6
1.1321	B.109	C.6
1.1322	B.110	C.6
1.1323	B.111	C.6
1.1324	B.112	C.6
1.1325	B.113	C.6
1.1326	B.114	C.6
1.1327	B.115	C.6
1.1328	B.116	C.6
1.1329	B.117	C.6
1.1330	B.118	C.6
1.1331	B.119	C.6
1.1332	B.120	C.6
1.1333	B.121	C.6
1.1334	B.122	C.6
1.1335	B.123	C.6
1.1336	B.124	C.6
1.1337	B.125	C.6
1.1338	B.126	C.6
1.1339	B.127	C.6
1.1340	B.128	C.6
1.1341	B.129	C.6
L		1

comp.	herbi-	safener
no.	cide B	С
1.1342	B.130	C.6
1.1343	B.131	C.6
1.1344	B.132	C.6
1.1345	B.133	C.6
1.1346	B.134	C.6
1.1347	B.135	C.6
1.1348	B.136	C.6
1.1349	B.137	C.6
1.1350	B.138	C.6
1.1351	B.139	C.6
1.1352	B.140	C.6
1.1353	B.141	C.6
1.1354	B.142	C.6
1.1355	B.143	C.6
1.1356	B.144	C.6
1.1357	B.145	C.6
1.1358	B.146	C.6
1.1359	B.147	C.6
1.1360	B.148	C.6
1.1361	B.149	C.6
1.1362	B.150	C.6
1.1363	B.151	C.6
1.1364	B.152	C.6
1.1365	B.153	C.6
1.1366	B.154	C.6
1.1367	B.155	C.6
1.1368	B.156	C.6
1.1369	B.157	C.6
1.1370	B.158	C.6
1.1371	B.159	C.6
1.1372	B.160	C.6
1.1373	B.161	C.6
1.1374	B.162	C.6
1.1375	B.163	C.6
1.1376	B.164	C.6
1.1377	B.165	C.6
1.1378	B.166	C.6
1.1379	B.167	C.6
1.1380	B.168	C.6
1.1381	B.169	C.6
1.1382	B.170	C.6

comp.	herbi-	safener
no.	cide B	C
1.1383	B.171	C.6
1.1384	B.172	C.6
1.1385	B.172	C.6
1.1386	B.174	C.6
1.1387	B.175	C.6
1.1388	B.176	C.6
1.1389	B.177	C.6
1.1390	B.178	C.6
1.1391	B.179	C.6
1.1391	B.170	C.6
1.1392	B.180	C.6
1.1393	B.181	C.6
1.1394	B.182	C.6
1.1395	B.183	C.6
1.1390	B.185	C.6
1.1398	B.186	C.6
1.1399	B.187	C.6
1.1400	B.188	C.6
1.1401	B.189	C.6
1.1402	B.190	C.6
1.1403	B.191	C.6
1.1404	B.192	C.6
	B.193	C.6
1.1406	B.194	C.6
1.1407	B.195	C.6
1.1408	B.196	C.6
1.1409	B.197	C.6
1.1410	B.198	C.6
1.1411	B.199	C.6
1.1412	B.200	C.6
1.1413	B.201	C.6
1.1414	B.202	C.6
1.1415	B.1	C.7
1.1416	B.2	C.7
1.1417	B.3	C.7
1.1418	B.4	C.7
1.1419	B.5	C.7
1.1420	B.6	C.7
1.1421	B.7	C.7
1.1422	B.8	C.7
1.1423	B.9	C.7

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comp.	herbi-	safener
no.	cide B	С
1.1424	B.10	C.7
1.1425	B.11	C.7
1.1426	B.12	C.7
1.1427	B.13	C.7
1.1428	B.14	C.7
1.1429	B.15	C.7
1.1430	B.16	C.7
1.1431	B.17	C.7
1.1432	B.18	C.7
1.1433	B.19	C.7
1.1434	B.20	C.7
1.1435	B.21	C.7
1.1436	B.22	C.7
1.1437	B.23	C.7
1.1438	B.24	C.7
1.1439	B.25	C.7
1.1440	B.26	C.7
1.1441	B.27	C.7
1.1442	B.28	C.7
1.1443	B.29	C.7
1.1444	B.30	C.7
1.1445	B.31	C.7
1.1446	B.32	C.7
1.1447	B.33	C.7
1.1448	B.34	C.7
1.1449	B.35	C.7
1.1450	B.36	C.7
1.1451	B.37	C.7
1.1452	B.38	C.7
1.1453	B.39	C.7
1.1454	B.40	C.7
1.1455	B.41	C.7
1.1456	B.42	C.7
1.1457	B.43	C.7
1.1458	B.44	C.7
1.1459	B.45	C.7
1.1460	B.46	C.7
1.1461	B.47	C.7
1.1462	B.48	C.7
1.1463	B.49	C.7
1.1464	B.50	C.7
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comp.	herbi-	safener
no.	cide B	С
1.1465	B.51	C.7
1.1466	B.52	C.7
1.1467	B.53	C.7
1.1468	B.54	C.7
1.1469	B.55	C.7
1.1470	B.56	C.7
1.1471	B.57	C.7
1.1472	B.58	C.7
1.1473	B.59	C.7
1.1474	B.60	C.7
1.1475	B.61	C.7
1.1476	B.62	C.7
1.1477	B.63	C.7
1.1478	B.64	C.7
1.1479	B.65	C.7
1.1480	B.66	C.7
1.1481	B.67	C.7
1.1482	B.68	C.7
1.1483	B.69	C.7
1.1484	B.70	C.7
1.1485	B.71	C.7
1.1486	B.72	C.7
1.1487	B.73	C.7
1.1488	B.74	C.7
1.1489	B.75	C.7
1.1490	B.76	C.7
1.1491	B.77	C.7
1.1492	B.78	C.7
1.1493	B.79	C.7
1.1494	B.80	C.7
1.1495	B.81	C.7
1.1496	B.82	C.7
1.1497	B.83	C.7
1.1498	B.84	C.7
1.1499	B.85	C.7
1.1500	B.86	C.7
1.1501	B.87	C.7
1.1502	B.88	C.7
1.1503	B.89	C.7
1.1504	B.90	C.7
1.1505	B.91	C.7
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comp.	herbi-	safener
no.	cide B	С
1.1506	B.92	C.7
1.1507	B.93	C.7
1.1508	B.94	C.7
1.1509	B.95	C.7
1.1510	B.96	C.7
1.1511	B.97	C.7
1.1512	B.98	C.7
1.1513	B.99	C.7
1.1514	B.100	C.7
1.1515	B.101	C.7
1.1516	B.102	C.7
1.1517	B.103	C.7
1.1518	B.104	C.7
1.1519	B.105	C.7
1.1520	B.106	C.7
1.1521	B.107	C.7
1.1522	B.108	C.7
1.1523	B.109	C.7
1.1524	B.110	C.7
1.1525	B.111	C.7
1.1526	B.112	C.7
1.1527	B.113	C.7
1.1528	B.114	C.7
1.1529	B.115	C.7
1.1530	B.116	C.7
1.1531	B.117	C.7
1.1532	B.118	C.7
1.1533	B.119	C.7
1.1534	B.120	C.7
1.1535	B.121	C.7
1.1536	B.122	C.7
1.1537	B.123	C.7
1.1538	B.124	C.7
1.1539	B.125	C.7
1.1540	B.126	C.7
1.1541	B.127	C.7
1.1542	B.128	C.7
1.1543	B.129	C.7
1.1544	B.130	C.7
1.1545	B.131	C.7
1.1546	B.132	C.7
L	1	1

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comp.	herbi-	safener
no.	cide B	С
1.1547	B.133	C.7
1.1548	B.134	C.7
1.1549	B.135	C.7
1.1550	B.136	C.7
1.1551	B.137	C.7
1.1552	B.138	C.7
1.1553	B.139	C.7
1.1554	B.140	C.7
1.1555	B.141	C.7
1.1556	B.142	C.7
1.1557	B.143	C.7
1.1558	B.144	C.7
1.1559	B.145	C.7
1.1560	B.146	C.7
1.1561	B.147	C.7
1.1562	B.148	C.7
1.1563	B.149	C.7
1.1564	B.150	C.7
1.1565	B.151	C.7
1.1566	B.152	C.7
1.1567	B.153	C.7
1.1568	B.154	C.7
1.1569	B.155	C.7
1.1570	B.156	C.7
1.1571	B.157	C.7
1.1572	B.158	C.7
1.1573	B.159	C.7
1.1574	B.160	C.7
1.1575	B.161	C.7
1.1576	B.162	C.7
1.1577	B.163	C.7
1.1578	B.164	C.7
1.1579	B.165	C.7
1.1580	B.166	C.7
1.1581	B.167	C.7
1.1582	B.168	C.7
1.1583	B.169	C.7
1.1584	B.170	C.7
1.1585	B.171	C.7
1.1586	B.172	C.7
1.1587	B.173	C.7

1.1589B.175C1.1590B.176C1.1591B.177C1.1592B.178C1.1593B.179C1.1594B.180C	.7 .7 .7 .7 .7 .7 .7
1.1589B.175C1.1590B.176C1.1591B.177C1.1592B.178C1.1593B.179C1.1594B.180C	.7 .7 .7 .7 .7 .7 .7 .7 .7 .7
1.1590B.176C1.1591B.177C1.1592B.178C1.1593B.179C1.1594B.180C	.7 .7 .7 .7 .7 .7 .7 .7 .7
1.1591B.177C1.1592B.178C1.1593B.179C1.1594B.180C	.7 .7 .7 .7 .7 .7 .7
1.1592B.178C1.1593B.179C1.1594B.180C	.7 .7 .7 .7 .7
1.1593B.179C1.1594B.180C	.7 .7 .7 .7
1.1594 B.180 C	.7 .7 .7
	.7 .7
	.7
1.1595 B.181 C	
1.1596 B.182 C	_
1.1597 B.183 C	.7
1.1598 B.184 C	.7
1.1599 B.185 C	.7
1.1600 B.186 C	.7
1.1601 B.187 C	.7
1.1602 B.188 C	.7
1.1603 B.189 C	.7
1.1604 B.190 C	.7
1.1605 B.191 C	.7
1.1606 B.192 C	.7
1.1607 B.193 C	.7
1.1608 B.194 C	.7
1.1609 B.195 C	.7
1.1610 B.196 C	.7
1.1611 B.197 C	.7
1.1612 B.198 C	.7
1.1613 B.199 C	.7
1.1614 B.200 C	.7
1.1615 B.201 C	.7
1.1616 B.202 C	.7
1.1617 B.1 C	.8
1.1618 B.2 C	.8
1.1619 B.3 C	.8
1.1620 B.4 C	.8
1.1621 B.5 C	.8
1.1622 B.6 C	.8
1.1623 B.7 C	.8
1.1624 B.8 C	.8
1.1625 B.9 C	.8
1.1626 B.10 C	.8
1.1627 B.11 C	.8
1.1628 B.12 C	.8

comp.	herbi-	safener
no.	cide B	C
1.1629	B.13	C.8
1.1630	B.13 B.14	C.8
1.1630	B.14 B.15	C.8
1.1632	B.16	C.8
1.1633	B.17	C.8
1.1634	B.18	C.8
1.1635	B.19	C.8
1.1636	B.20	C.8
1.1637	B.21	C.8
1.1638	B.22	C.8
1.1639	B.23	C.8
1.1640	B.24	C.8
1.1641	B.25	C.8
1.1642	B.26	C.8
1.1643	B.27	C.8
1.1644	B.28	C.8
1.1645	B.29	C.8
1.1646	B.30	C.8
1.1647	B.31	C.8
1.1648	B.32	C.8
1.1649	B.33	C.8
1.1650	B.34	C.8
1.1651	B.35	C.8
1.1652	B.36	C.8
1.1653	B.37	C.8
1.1654	B.38	C.8
1.1655	B.39	C.8
1.1656	B.40	C.8
1.1657	B.41	C.8
1.1658	B.42	C.8
1.1659	B.43	C.8
1.1660	B.44	C.8
1.1661	B.45	C.8
1.1662	B.46	C.8
1.1663	B.47	C.8
1.1664	B.48	C.8
1.1665	B.49	C.8
1.1666	B.50	C.8
1.1667	B.51	C.8
1.1668	B.52	C.8
1.1669	B.53	C.8
		

PCT/EP2017/067285

comp.herbi-safenerno.cide BC1.1670B.54C.81.1671B.55C.81.1672B.56C.81.1673B.57C.81.1674B.58C.81.1675B.59C.81.1676B.60C.81.1677B.61C.81.1678B.62C.81.1679B.63C.81.1678B.62C.81.1678B.64C.81.1678B.65C.81.1680B.64C.81.1681B.65C.81.1682B.66C.81.1683B.67C.81.1684B.68C.81.1685B.69C.81.1686B.70C.81.1687B.71C.81.1688B.72C.81.1689B.73C.81.1690B.74C.81.1691B.75C.81.1692B.76C.81.1693B.77C.81.1694B.80C.81.1695B.79C.81.1696B.80C.81.1697B.81C.81.1698B.82C.81.1699B.83C.81.1694B.84C.81.1695B.89C.81.1696B.80C.81.1697B.84C.81.1698B.82C.81.1700B.84C.81.1701B.84	PCT/EP2017/067285		
1.1670B.54C.81.1671B.55C.81.1672B.56C.81.1673B.57C.81.1674B.58C.81.1675B.59C.81.1676B.60C.81.1677B.61C.81.1678B.62C.81.1679B.63C.81.1678B.62C.81.1679B.63C.81.1678B.64C.81.1680B.64C.81.1681B.65C.81.1682B.66C.81.1683B.67C.81.1684B.68C.81.1685B.69C.81.1686B.70C.81.1687B.71C.81.1688B.72C.81.1690B.74C.81.1691B.75C.81.1692B.76C.81.1693B.77C.81.1694B.78C.81.1695B.79C.81.1696B.80C.81.1697B.81C.81.1698B.82C.81.1699B.83C.81.1701B.84C.81.1702B.86C.81.1703B.87C.81.1704B.88C.81.1705B.90C.81.1704B.89C.81.1705B.90C.81.1706B.90C.81.1708B.92C.81.1709B.93 </td <td>comp.</td> <td>herbi-</td> <td>safener</td>	comp.	herbi-	safener
1.1671B.55C.81.1672B.56C.81.1673B.57C.81.1674B.58C.81.1675B.59C.81.1676B.60C.81.1677B.61C.81.1678B.62C.81.1679B.63C.81.1678B.62C.81.1679B.63C.81.1671B.64C.81.1672B.63C.81.1673B.64C.81.1680B.64C.81.1681B.65C.81.1682B.66C.81.1683B.67C.81.1684B.68C.81.1685B.69C.81.1684B.70C.81.1685B.70C.81.1686B.70C.81.1687B.71C.81.1689B.73C.81.1690B.74C.81.1691B.75C.81.1692B.76C.81.1693B.77C.81.1694B.78C.81.1695B.79C.81.1695B.79C.81.1696B.80C.81.1697B.81C.81.1698B.82C.81.1699B.83C.81.1699B.84C.81.1701B.85C.81.1702B.86C.81.1703B.87C.81.1704B.89C.81.1705B.89 </td <td>no.</td> <td>cide B</td> <td>С</td>	no.	cide B	С
1.1672B.56C.81.1673B.57C.81.1674B.58C.81.1675B.59C.81.1676B.60C.81.1677B.61C.81.1678B.62C.81.1679B.63C.81.1679B.63C.81.1679B.63C.81.1680B.64C.81.1681B.65C.81.1682B.66C.81.1683B.67C.81.1684B.68C.81.1685B.69C.81.1686B.70C.81.1687B.71C.81.1688B.72C.81.1689B.73C.81.1690B.74C.81.1691B.75C.81.1692B.76C.81.1693B.77C.81.1694B.78C.81.1695B.79C.81.1695B.79C.81.1696B.80C.81.1697B.81C.81.1698B.82C.81.1699B.83C.81.1699B.84C.81.1701B.85C.81.1702B.86C.81.1703B.87C.81.1704B.89C.81.1705B.89C.81.1704B.91C.81.1705B.92C.81.1706B.92C.81.1709B.93C.8	1.1670	B.54	C.8
1.1673B.57C.81.1674B.58C.81.1675B.59C.81.1676B.60C.81.1677B.61C.81.1678B.62C.81.1679B.63C.81.1679B.63C.81.1679B.63C.81.1679B.64C.81.1680B.64C.81.1681B.65C.81.1682B.66C.81.1683B.67C.81.1684B.68C.81.1685B.69C.81.1686B.70C.81.1687B.71C.81.1688B.72C.81.1689B.73C.81.1690B.74C.81.1691B.75C.81.1692B.76C.81.1693B.77C.81.1694B.78C.81.1695B.79C.81.1695B.79C.81.1696B.80C.81.1697B.81C.81.1698B.82C.81.1699B.83C.81.1701B.85C.81.1702B.86C.81.1703B.87C.81.1704B.89C.81.1705B.89C.81.1704B.91C.81.1705B.92C.81.1709B.93C.81.1709B.93C.8	1.1671	B.55	C.8
1.1674B.58C.81.1675B.59C.81.1676B.60C.81.1677B.61C.81.1678B.62C.81.1679B.63C.81.1679B.63C.81.1679B.63C.81.1680B.64C.81.1681B.65C.81.1682B.66C.81.1683B.67C.81.1684B.68C.81.1685B.69C.81.1686B.70C.81.1687B.71C.81.1688B.72C.81.1689B.73C.81.1689B.73C.81.1690B.74C.81.1691B.75C.81.1692B.76C.81.1693B.77C.81.1694B.78C.81.1695B.79C.81.1696B.80C.81.1697B.81C.81.1698B.82C.81.1699B.83C.81.1699B.84C.81.1701B.85C.81.1702B.86C.81.1703B.87C.81.1704B.89C.81.1705B.89C.81.1706B.90C.81.1707B.91C.81.1708B.92C.81.1709B.93C.8	1.1672	B.56	C.8
1.1675B.59C.81.1676B.60C.81.1677B.61C.81.1677B.62C.81.1678B.62C.81.1679B.63C.81.1680B.64C.81.1681B.65C.81.1682B.66C.81.1683B.67C.81.1684B.68C.81.1685B.69C.81.1686B.70C.81.1687B.71C.81.1688B.72C.81.1689B.73C.81.1689B.73C.81.1690B.74C.81.1691B.75C.81.1692B.76C.81.1693B.77C.81.1694B.78C.81.1695B.79C.81.1695B.79C.81.1696B.80C.81.1697B.81C.81.1698B.82C.81.1699B.83C.81.1699B.84C.81.1701B.85C.81.1702B.86C.81.1703B.87C.81.1704B.88C.81.1705B.89C.81.1706B.90C.81.1708B.92C.81.1709B.93C.81.1709B.93C.8	1.1673	B.57	C.8
1.1676B.60C.81.1677B.61C.81.1678B.62C.81.1679B.63C.81.1679B.63C.81.1680B.64C.81.1681B.65C.81.1681B.66C.81.1682B.66C.81.1683B.67C.81.1684B.68C.81.1685B.69C.81.1686B.70C.81.1687B.71C.81.1688B.72C.81.1689B.73C.81.1689B.73C.81.1690B.74C.81.1691B.75C.81.1692B.76C.81.1693B.77C.81.1694B.78C.81.1695B.79C.81.1696B.80C.81.1697B.81C.81.1698B.82C.81.1699B.83C.81.1699B.84C.81.1701B.85C.81.1702B.86C.81.1703B.87C.81.1704B.89C.81.1705B.89C.81.1704B.90C.81.1705B.91C.81.1709B.93C.8	1.1674	B.58	C.8
1.1677B.61C.81.1678B.62C.81.1679B.63C.81.1680B.64C.81.1681B.65C.81.1681B.66C.81.1682B.66C.81.1683B.67C.81.1684B.68C.81.1685B.69C.81.1686B.70C.81.1687B.71C.81.1688B.72C.81.1689B.73C.81.1689B.73C.81.1690B.74C.81.1691B.75C.81.1692B.76C.81.1693B.77C.81.1694B.78C.81.1695B.79C.81.1694B.78C.81.1695B.79C.81.1696B.80C.81.1697B.81C.81.1698B.82C.81.1699B.83C.81.1701B.85C.81.1702B.86C.81.1703B.87C.81.1704B.88C.81.1705B.89C.81.1704B.90C.81.1705B.90C.81.1706B.90C.81.1709B.93C.8	1.1675	B.59	C.8
1.1678B.62C.81.1679B.63C.81.1680B.64C.81.1681B.65C.81.1681B.66C.81.1682B.66C.81.1683B.67C.81.1684B.68C.81.1685B.69C.81.1686B.70C.81.1687B.71C.81.1688B.72C.81.1689B.73C.81.1689B.73C.81.1690B.74C.81.1691B.75C.81.1692B.76C.81.1693B.77C.81.1694B.78C.81.1695B.79C.81.1694B.80C.81.1695B.79C.81.1696B.80C.81.1697B.81C.81.1698B.82C.81.1699B.83C.81.1699B.84C.81.1700B.84C.81.1701B.85C.81.1702B.86C.81.1703B.87C.81.1704B.89C.81.1705B.89C.81.1706B.90C.81.1708B.92C.81.1709B.93C.8	1.1676	B.60	C.8
1.1679B.63C.81.1680B.64C.81.1681B.65C.81.1682B.66C.81.1683B.67C.81.1684B.68C.81.1685B.69C.81.1686B.70C.81.1687B.71C.81.1688B.72C.81.1689B.73C.81.1689B.73C.81.1690B.74C.81.1691B.75C.81.1692B.76C.81.1693B.77C.81.1694B.78C.81.1695B.79C.81.1694B.78C.81.1695B.79C.81.1696B.80C.81.1697B.81C.81.1698B.82C.81.1699B.83C.81.1700B.84C.81.1701B.85C.81.1702B.86C.81.1703B.87C.81.1704B.88C.81.1705B.89C.81.1706B.90C.81.1707B.91C.81.1708B.92C.81.1709B.93C.8	1.1677	B.61	C.8
1.1680B.64C.81.1681B.65C.81.1682B.66C.81.1683B.67C.81.1684B.68C.81.1685B.69C.81.1686B.70C.81.1687B.71C.81.1688B.72C.81.1689B.73C.81.1689B.73C.81.1690B.74C.81.1691B.75C.81.1692B.76C.81.1693B.77C.81.1694B.78C.81.1695B.79C.81.1696B.80C.81.1697B.81C.81.1698B.82C.81.1699B.83C.81.1690B.84C.81.1691B.79C.81.1695B.79C.81.1694B.78C.81.1695B.80C.81.1696B.80C.81.1697B.81C.81.1698B.82C.81.1700B.84C.81.1701B.85C.81.1702B.86C.81.1703B.87C.81.1704B.88C.81.1705B.90C.81.1706B.90C.81.1708B.92C.81.1709B.93C.8	1.1678	B.62	C.8
1.1681B.65C.81.1682B.66C.81.1683B.67C.81.1684B.68C.81.1685B.69C.81.1686B.70C.81.1687B.71C.81.1688B.72C.81.1689B.73C.81.1689B.73C.81.1690B.74C.81.1691B.75C.81.1692B.76C.81.1693B.77C.81.1694B.78C.81.1695B.79C.81.1694B.78C.81.1695B.79C.81.1696B.80C.81.1697B.81C.81.1698B.82C.81.1699B.83C.81.1691B.84C.81.1700B.84C.81.1701B.85C.81.1702B.86C.81.1703B.87C.81.1704B.88C.81.1705B.89C.81.1706B.90C.81.1707B.91C.81.1708B.92C.81.1709B.93C.8	1.1679	B.63	C.8
1.1682B.66C.81.1683B.67C.81.1684B.68C.81.1685B.69C.81.1686B.70C.81.1687B.71C.81.1687B.72C.81.1688B.72C.81.1689B.73C.81.1690B.74C.81.1691B.75C.81.1692B.76C.81.1693B.77C.81.1694B.78C.81.1695B.79C.81.1696B.80C.81.1697B.81C.81.1698B.82C.81.1699B.83C.81.1693B.82C.81.1694B.83C.81.1695B.84C.81.1696B.80C.81.1701B.85C.81.1702B.86C.81.1703B.87C.81.1704B.88C.81.1705B.89C.81.1704B.89C.81.1705B.91C.81.1706B.92C.81.1708B.92C.81.1709B.93C.8	1.1680	B.64	C.8
1.1683B.67C.81.1684B.68C.81.1685B.69C.81.1686B.70C.81.1687B.71C.81.1688B.72C.81.1689B.73C.81.1689B.73C.81.1690B.74C.81.1691B.75C.81.1692B.76C.81.1693B.77C.81.1694B.78C.81.1695B.79C.81.1696B.80C.81.1697B.81C.81.1698B.82C.81.1699B.83C.81.1699B.83C.81.1691B.84C.81.1695B.84C.81.1696B.80C.81.1700B.84C.81.1701B.85C.81.1702B.86C.81.1703B.87C.81.1704B.88C.81.1705B.89C.81.1706B.90C.81.1707B.91C.81.1708B.92C.81.1709B.93C.8	1.1681	B.65	C.8
1.1684B.68C.81.1685B.69C.81.1686B.70C.81.1687B.71C.81.1687B.71C.81.1688B.72C.81.1689B.73C.81.1690B.74C.81.1691B.75C.81.1692B.76C.81.1693B.77C.81.1694B.78C.81.1695B.79C.81.1694B.78C.81.1695B.79C.81.1696B.80C.81.1697B.81C.81.1698B.82C.81.1699B.83C.81.1693B.82C.81.1694B.83C.81.1695B.84C.81.1700B.84C.81.1701B.85C.81.1702B.86C.81.1703B.87C.81.1704B.88C.81.1705B.89C.81.1706B.90C.81.1707B.91C.81.1708B.92C.81.1709B.93C.8	1.1682	B.66	C.8
1.1685B.69C.81.1686B.70C.81.1687B.71C.81.1687B.71C.81.1688B.72C.81.1689B.73C.81.1690B.74C.81.1691B.75C.81.1692B.76C.81.1693B.77C.81.1694B.78C.81.1695B.79C.81.1696B.80C.81.1697B.81C.81.1698B.82C.81.1699B.83C.81.1699B.84C.81.1700B.84C.81.1701B.85C.81.1702B.86C.81.1703B.87C.81.1704B.88C.81.1705B.89C.81.1706B.90C.81.1707B.91C.81.1708B.92C.81.1709B.93C.8	1.1683	B.67	C.8
1.1686B.70C.81.1687B.71C.81.1688B.72C.81.1689B.73C.81.1690B.74C.81.1691B.75C.81.1691B.75C.81.1692B.76C.81.1693B.77C.81.1694B.78C.81.1695B.79C.81.1696B.80C.81.1697B.81C.81.1698B.82C.81.1699B.83C.81.1699B.84C.81.1700B.84C.81.1701B.85C.81.1702B.86C.81.1703B.87C.81.1704B.88C.81.1705B.89C.81.1706B.90C.81.1708B.92C.81.1709B.93C.8	1.1684	B.68	C.8
1.1687B.71C.81.1688B.72C.81.1689B.73C.81.1690B.74C.81.1691B.75C.81.1692B.76C.81.1693B.77C.81.1693B.77C.81.1694B.78C.81.1695B.79C.81.1696B.80C.81.1697B.81C.81.1698B.82C.81.1699B.83C.81.1699B.83C.81.1700B.84C.81.1701B.85C.81.1702B.86C.81.1703B.87C.81.1704B.88C.81.1705B.89C.81.1706B.90C.81.1707B.91C.81.1708B.92C.81.1709B.93C.8	1.1685	B.69	C.8
1.1688B.72C.81.1689B.73C.81.1690B.74C.81.1691B.75C.81.1691B.76C.81.1692B.76C.81.1693B.77C.81.1694B.78C.81.1695B.79C.81.1696B.80C.81.1697B.81C.81.1698B.82C.81.1699B.83C.81.1699B.84C.81.1700B.84C.81.1701B.85C.81.1702B.86C.81.1703B.87C.81.1704B.88C.81.1705B.89C.81.1706B.90C.81.1707B.91C.81.1708B.92C.81.1709B.93C.8	1.1686	B.70	C.8
1.1689B.73C.81.1690B.74C.81.1691B.75C.81.1692B.76C.81.1693B.77C.81.1693B.77C.81.1694B.78C.81.1695B.79C.81.1696B.80C.81.1697B.81C.81.1698B.82C.81.1699B.83C.81.1699B.83C.81.1693B.84C.81.1694B.85C.81.1695B.86C.81.1700B.84C.81.1701B.85C.81.1702B.86C.81.1703B.87C.81.1704B.88C.81.1705B.89C.81.1706B.90C.81.1708B.92C.81.1709B.93C.8	1.1687	B.71	C.8
1.1690B.74C.81.1691B.75C.81.1692B.76C.81.1693B.77C.81.1694B.78C.81.1695B.79C.81.1696B.80C.81.1697B.81C.81.1698B.82C.81.1699B.83C.81.1691B.84C.81.1692B.84C.81.1693B.85C.81.1694B.85C.81.1695B.84C.81.1700B.84C.81.1701B.85C.81.1702B.86C.81.1703B.87C.81.1704B.88C.81.1705B.89C.81.1706B.90C.81.1707B.91C.81.1708B.92C.81.1709B.93C.8	1.1688	B.72	C.8
1.1691B.75C.81.1692B.76C.81.1693B.77C.81.1694B.78C.81.1695B.79C.81.1696B.80C.81.1697B.81C.81.1698B.82C.81.1699B.83C.81.1697B.84C.81.1698B.82C.81.1699B.83C.81.1700B.84C.81.1701B.85C.81.1702B.86C.81.1703B.87C.81.1704B.88C.81.1705B.89C.81.1706B.90C.81.1708B.92C.81.1709B.93C.8	1.1689	B.73	C.8
1.1692B.76C.81.1693B.77C.81.1694B.78C.81.1695B.79C.81.1696B.80C.81.1697B.81C.81.1698B.82C.81.1699B.83C.81.1699B.83C.81.1700B.84C.81.1701B.85C.81.1702B.86C.81.1703B.87C.81.1704B.88C.81.1705B.89C.81.1706B.90C.81.1708B.92C.81.1709B.93C.8	1.1690	B.74	C.8
1.1693B.77C.81.1694B.78C.81.1695B.79C.81.1696B.80C.81.1697B.81C.81.1697B.81C.81.1698B.82C.81.1699B.83C.81.1699B.84C.81.1700B.84C.81.1701B.85C.81.1702B.86C.81.1703B.87C.81.1704B.88C.81.1705B.89C.81.1706B.90C.81.1708B.92C.81.1709B.93C.8	1.1691	B.75	C.8
1.1694B.78C.81.1695B.79C.81.1696B.80C.81.1697B.81C.81.1697B.82C.81.1698B.82C.81.1699B.83C.81.1700B.84C.81.1701B.85C.81.1702B.86C.81.1703B.87C.81.1704B.88C.81.1705B.89C.81.1706B.90C.81.1707B.91C.81.1708B.92C.81.1709B.93C.8	1.1692	B.76	C.8
1.1695B.79C.81.1696B.80C.81.1697B.81C.81.1697B.81C.81.1698B.82C.81.1699B.83C.81.1700B.84C.81.1701B.85C.81.1702B.86C.81.1703B.87C.81.1704B.88C.81.1705B.89C.81.1706B.90C.81.1707B.91C.81.1708B.92C.81.1709B.93C.8	1.1693	B.77	C.8
1.1696B.80C.81.1697B.81C.81.1697B.81C.81.1698B.82C.81.1699B.83C.81.1700B.84C.81.1701B.85C.81.1702B.86C.81.1703B.87C.81.1704B.88C.81.1705B.89C.81.1706B.90C.81.1707B.91C.81.1708B.92C.81.1709B.93C.8	1.1694	B.78	C.8
1.1697B.81C.81.1698B.82C.81.1699B.83C.81.1700B.84C.81.1701B.85C.81.1702B.86C.81.1703B.87C.81.1704B.88C.81.1705B.89C.81.1706B.90C.81.1708B.92C.81.1709B.93C.8	1.1695	B.79	C.8
1.1698B.82C.81.1699B.83C.81.1700B.84C.81.1701B.85C.81.1702B.86C.81.1703B.87C.81.1704B.88C.81.1705B.89C.81.1706B.90C.81.1707B.91C.81.1708B.92C.81.1709B.93C.8	1.1696	B.80	C.8
1.1699B.83C.81.1700B.84C.81.1701B.85C.81.1702B.86C.81.1703B.87C.81.1704B.88C.81.1705B.89C.81.1706B.90C.81.1707B.91C.81.1708B.92C.81.1709B.93C.8	1.1697	B.81	C.8
1.1700B.84C.81.1701B.85C.81.1702B.86C.81.1703B.87C.81.1704B.88C.81.1705B.89C.81.1706B.90C.81.1707B.91C.81.1708B.92C.81.1709B.93C.8	1.1698	B.82	C.8
1.1701B.85C.81.1702B.86C.81.1703B.87C.81.1704B.88C.81.1705B.89C.81.1706B.90C.81.1707B.91C.81.1708B.92C.81.1709B.93C.8	1.1699	B.83	C.8
1.1702B.86C.81.1703B.87C.81.1704B.88C.81.1705B.89C.81.1706B.90C.81.1707B.91C.81.1708B.92C.81.1709B.93C.8	1.1700	B.84	C.8
1.1703B.87C.81.1704B.88C.81.1705B.89C.81.1706B.90C.81.1707B.91C.81.1708B.92C.81.1709B.93C.8	1.1701	B.85	C.8
1.1704B.88C.81.1705B.89C.81.1706B.90C.81.1707B.91C.81.1708B.92C.81.1709B.93C.8	1.1702	B.86	C.8
1.1705B.89C.81.1706B.90C.81.1707B.91C.81.1708B.92C.81.1709B.93C.8	1.1703	B.87	C.8
1.1706B.90C.81.1707B.91C.81.1708B.92C.81.1709B.93C.8	1.1704	B.88	C.8
1.1707B.91C.81.1708B.92C.81.1709B.93C.8	1.1705	B.89	C.8
1.1708B.92C.81.1709B.93C.8	1.1706	B.90	C.8
1.1709 B.93 C.8	1.1707	B.91	C.8
	1.1708	B.92	C.8
1.1710 B.94 C.8	1.1709	B.93	C.8
	1.1710	B.94	C.8

comp.	herbi-	safener
no.	cide B	С
1.1711	B.95	C.8
1.1712	B.96	C.8
1.1713	B.97	C.8
1.1714	B.98	C.8
1.1715	B.99	C.8
1.1716	B.100	C.8
1.1717	B.101	C.8
1.1718	B.102	C.8
1.1719	B.103	C.8
1.1720	B.104	C.8
1.1721	B.105	C.8
1.1722	B.106	C.8
1.1723	B.107	C.8
1.1724	B.108	C.8
1.1725	B.109	C.8
1.1726	B.110	C.8
1.1727	B.111	C.8
1.1728	B.112	C.8
1.1729	B.113	C.8
1.1730	B.114	C.8
1.1731	B.115	C.8
1.1732	B.116	C.8
1.1733	B.117	C.8
1.1734	B.118	C.8
1.1735	B.119	C.8
1.1736	B.120	C.8
1.1737	B.121	C.8
1.1738	B.122	C.8
1.1739	B.123	C.8
1.1740	B.124	C.8
1.1741	B.125	C.8
1.1742	B.126	C.8
1.1743	B.127	C.8
1.1744	B.128	C.8
1.1745	B.129	C.8
1.1746	B.130	C.8
1.1747	B.131	C.8
1.1748	B.132	C.8
1.1749	B.133	C.8
1.1750	B.134	C.8
1.1751	B.135	C.8

comp.	herbi-	safener
no.	cide B	С
1.1752	B.136	C.8
1.1753	B.137	C.8
1.1754	B.138	C.8
1.1755	B.139	C.8
1.1756	B.140	C.8
1.1757	B.141	C.8
1.1758	B.142	C.8
1.1759	B.143	C.8
1.1760	B.144	C.8
1.1761	B.145	C.8
1.1762	B.146	C.8
1.1763	B.147	C.8
1.1764	B.148	C.8
1.1765	B.149	C.8
1.1766	B.150	C.8
1.1767	B.151	C.8
1.1768	B.152	C.8
1.1769	B.153	C.8
1.1770	B.154	C.8
1.1771	B.155	C.8
1.1772	B.156	C.8
1.1773	B.157	C.8
1.1774	B.158	C.8
1.1775	B.159	C.8
1.1776	B.160	C.8
1.1777	B.161	C.8
1.1778	B.162	C.8
1.1779	B.163	C.8
1.1780	B.164	C.8
1.1781	B.165	C.8
1.1782	B.166	C.8
1.1783	B.167	C.8
1.1784	B.168	C.8
1.1785	B.169	C.8
1.1786	B.170	C.8
1.1787	B.171	C.8
1.1788	B.172	C.8
1.1789	B.173	C.8
1.1790	B.174	C.8
1.1791	B.175	C.8
1.1792	B.176	C.8

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comp.	herbi-	safener
no.	cide B	С
1.1793	B.177	C.8
1.1794	B.178	C.8
1.1795	B.179	C.8
1.1796	B.180	C.8
1.1797	B.181	C.8
1.1798	B.182	C.8
1.1799	B.183	C.8
1.1800	B.184	C.8
1.1801	B.185	C.8
1.1802	B.186	C.8
1.1803	B.187	C.8
1.1804	B.188	C.8
1.1805	B.189	C.8
1.1806	B.190	C.8
1.1807	B.191	C.8
1.1808	B.192	C.8
1.1809	B.193	C.8
1.1810	B.194	C.8
1.1811	B.195	C.8
1.1812	B.196	C.8
1.1813	B.197	C.8
1.1814	B.198	C.8
1.1815	B.199	C.8
1.1816	B.200	C.8
1.1817	B.201	C.8
1.1818	B.202	C.8
1.1819	B.1	C.9
1.1820	B.2	C.9
1.1821	B.3	C.9
1.1822	B.4	C.9
1.1823	B.5	C.9
1.1824	B.6	C.9
1.1825	B.7	C.9
1.1826	B.8	C.9
1.1827	B.9	C.9
1.1828	B.10	C.9
1.1829	B.11	C.9
1.1830	B.12	C.9
1.1831	B.13	C.9
1.1832	B.14	C.9
1.1833	B.15	C.9

comp.	herbi-	safener
no.	cide B	С
1.1834	B.16	C.9
1.1835	B.17	C.9
1.1836	B.18	C.9
1.1837	B.19	C.9
1.1838	B.20	C.9
1.1839	B.21	C.9
1.1840	B.22	C.9
1.1841	B.23	C.9
1.1842	B.24	C.9
1.1843	B.25	C.9
1.1844	B.26	C.9
1.1845	B.27	C.9
1.1846	B.28	C.9
1.1847	B.29	C.9
1.1848	B.30	C.9
1.1849	B.31	C.9
1.1850	B.32	C.9
1.1851	B.33	C.9
1.1852	B.34	C.9
1.1853	B.35	C.9
1.1854	B.36	C.9
1.1855	B.37	C.9
1.1856	B.38	C.9
1.1857	B.39	C.9
1.1858	B.40	C.9
1.1859	B.41	C.9
1.1860	B.42	C.9
1.1861	B.43	C.9
1.1862	B.44	C.9
1.1863	B.45	C.9
1.1864	B.46	C.9
1.1865	B.47	C.9
1.1866	B.48	C.9
1.1867	B.49	C.9
1.1868	B.50	C.9
1.1869	B.51	C.9
1.1870	B.52	C.9
1.1871	B.53	C.9
1.1872	B.54	C.9
1.1873	B.55	C.9
1.1874	B.56	C.9

comp.	herbi-	safener
no.	cide B	C
1.1875	B.57	C.9
1.1876	B.58	C.9
1.1870	B.59	C.9 C.9
1.1878	B.60	C.9
1.1879	B.61	C.9
1.1880	B.62	C.9
1.1881	B.63	C.9
1.1882	B.64	C.9
1.1883	B.65	C.9
1.1884	B.66	C.9
1.1885	B.67	C.9
1.1886	B.68	C.9
1.1887	B.69	C.9
1.1888	B.70	C.9
1.1889	B.71	C.9
1.1890	B.72	C.9
1.1891	B.73	C.9
1.1892	B.74	C.9
1.1893	B.75	C.9
1.1894	B.76	C.9
1.1895	B.77	C.9
1.1896	B.78	C.9
1.1897	B.79	C.9
1.1898	B.80	C.9
1.1899	B.81	C.9
1.1900	B.82	C.9
1.1901	B.83	C.9
1.1902	B.84	C.9
1.1903	B.85	C.9
1.1904	B.86	C.9
1.1905	B.87	C.9
1.1906	B.88	C.9
1.1907	B.89	C.9
1.1908	B.90	C.9
1.1909	B.91	C.9
1.1910	B.92	C.9
1.1911	B.93	C.9
1.1912	B.94	C.9
1.1912	B.95	C.9 C.9
1.1913	B.95 B.96	C.9 C.9
1.1914	B.90	C.9 C.9
1.1910	18.0	0.9

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comp.	herbi-	safener
no.	cide B	С
1.1916	B.98	C.9
1.1917	B.99	C.9
1.1918	B.100	C.9
1.1919	B.101	C.9
1.1920	B.102	C.9
1.1921	B.103	C.9
1.1922	B.104	C.9
1.1923	B.105	C.9
1.1924	B.106	C.9
1.1925	B.107	C.9
1.1926	B.108	C.9
1.1927	B.109	C.9
1.1928	B.110	C.9
1.1929	B.111	C.9
1.1930	B.112	C.9
1.1931	B.113	C.9
1.1932	B.114	C.9
1.1933	B.115	C.9
1.1934	B.116	C.9
1.1935	B.117	C.9
1.1936	B.118	C.9
1.1937	B.119	C.9
1.1938	B.120	C.9
1.1939	B.121	C.9
1.1940	B.122	C.9
1.1941	B.123	C.9
1.1942	B.124	C.9
1.1943	B.125	C.9
1.1944	B.126	C.9
1.1945	B.127	C.9
1.1946	B.128	C.9
1.1947	B.129	C.9
1.1948	B.130	C.9
1.1949	B.131	C.9
1.1950	B.132	C.9
1.1951	B.133	C.9
1.1952	B.134	C.9
1.1953	B.135	C.9
1.1954	B.136	C.9
1.1955	B.137	C.9
1.1956	B.138	C.9

comp.	herbi-	safener
no.	cide B	С
1.1957	B.139	C.9
1.1958	B.140	C.9
1.1959	B.141	C.9
1.1960	B.142	C.9
1.1961	B.143	C.9
1.1962	B.144	C.9
1.1963	B.145	C.9
1.1964	B.146	C.9
1.1965	B.147	C.9
1.1966	B.148	C.9
1.1967	B.149	C.9
1.1968	B.150	C.9
1.1969	B.151	C.9
1.1970	B.152	C.9
1.1971	B.153	C.9
1.1972	B.154	C.9
1.1973	B.155	C.9
1.1974	B.156	C.9
1.1975	B.157	C.9
1.1976	B.158	C.9
1.1977	B.159	C.9
1.1978	B.160	C.9
1.1979	B.161	C.9
1.1980	B.162	C.9
1.1981	B.163	C.9
1.1982	B.164	C.9
1.1983	B.165	C.9
1.1984	B.166	C.9
1.1985	B.167	C.9
1.1986	B.168	C.9
1.1987	B.169	C.9
1.1988	B.170	C.9
1.1989	B.171	C.9
1.1990	B.172	C.9
1.1991	B.173	C.9
1.1992	B.174	C.9
1.1993	B.175	C.9
1.1994	B.176	C.9
1.1995	B.177	C.9
1.1996	B.178	C.9
1.1997	B.179	C.9

comp.	herbi-	safener
no.	cide B	C
1.1998	B.180	C.9
1.1999	B.181	C.9
1.2000	B.182	C.9
1.2001	B.183	C.9
1.2002	B.184	C.9
1.2003	B.185	C.9
1.2004	B.186	C.9
1.2005	B.187	C.9
1.2006	B.188	C.9
1.2007	B.189	C.9
1.2008	B.190	C.9
1.2009	B.191	C.9
1.2010	B.192	C.9
1.2011	B.193	C.9
1.2012	B.194	C.9
1.2013	B.195	C.9
1.2014	B.196	C.9
1.2015	B.197	C.9
1.2016	B.198	C.9
1.2017	B.199	C.9
1.2018	B.200	C.9
1.2019	B.201	C.9
1.2020	B.202	C.9
1.2021	B.1	C.10
1.2022	B.2	C.10
1.2023	B.3	C.10
1.2024	B.4	C.10
1.2025	B.5	C.10
1.2026	B.6	C.10
1.2027	B.7	C.10
1.2028	B.8	C.10
1.2029	B.9	C.10
1.2030	B.10	C.10
1.2031	B.11	C.10
1.2032	B.12	C.10
1.2033	B.13	C.10
1.2034	B.14	C.10
1.2035	B.15	C.10
1.2036	B.16	C.10
1.2037	B.17	C.10
1.2038	B.18	C.10
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comp.	herbi-	safener
no.	cide B	С
1.2039	B.19	C.10
1.2040	B.20	C.10
1.2041	B.21	C.10
1.2042	B.22	C.10
1.2043	B.23	C.10
1.2044	B.24	C.10
1.2045	B.25	C.10
1.2046	B.26	C.10
1.2047	B.27	C.10
1.2048	B.28	C.10
1.2049	B.29	C.10
1.2050	B.30	C.10
1.2051	B.31	C.10
1.2052	B.32	C.10
1.2053	B.33	C.10
1.2054	B.34	C.10
1.2055	B.35	C.10
1.2056	B.36	C.10
1.2057	B.37	C.10
1.2058	B.38	C.10
1.2059	B.39	C.10
1.2060	B.40	C.10
1.2061	B.41	C.10
1.2062	B.42	C.10
1.2063	B.43	C.10
1.2064	B.44	C.10
1.2065	B.45	C.10
1.2066	B.46	C.10
1.2067	B.47	C.10
1.2068	B.48	C.10
1.2069	B.49	C.10
1.2070	B.50	C.10
1.2071	B.51	C.10
1.2072	B.52	C.10
1.2073	B.53	C.10
1.2074	B.54	C.10
1.2075	B.55	C.10
1.2076	B.56	C.10
1.2077	B.57	C.10
1.2078	B.58	C.10
1.2079	B.59	C.10

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comp.	herbi-	safener
no.	cide B	C
1.2080	B.60	C.10
1.2081	B.61	C.10
1.2082	B.62	C.10
1.2083	B.63	C.10
1.2084	B.64	C.10
1.2085	B.65	C.10
1.2086	B.66	C.10
1.2087	B.67	C.10
1.2088	B.68	C.10
1.2089	B.69	C.10
1.2090	B.70	C.10
1.2091	B.71	C.10
1.2092	B.72	C.10
1.2093	B.73	C.10
1.2094	B.74	C.10
1.2095	B.75	C.10
1.2096	B.76	C.10
1.2097	B.77	C.10
1.2098	B.78	C.10
1.2099	B.79	C.10
1.2100	B.80	C.10
1.2101	B.81	C.10
1.2102	B.82	C.10
1.2103	B.83	C.10
1.2104	B.84	C.10
1.2105	B.85	C.10
1.2106	B.86	C.10
1.2107	B.87	C.10
1.2108	B.88	C.10
1.2109	B.89	C.10
1.2110	B.90	C.10
1.2111	B.91	C.10
1.2112	B.92	C.10
1.2112	B.93	C.10
1.2114	B.94	C.10
1.2114	B.95	C.10
1.2115	B.95 B.96	C.10 C.10
1.2110	В.96 В.97	C.10 C.10
1.2118	B.98	C.10
1.2119	B.99	C.10

1.2120

B.100

C.10

comp.	herbi-	safener
no.	cide B	С
1.2121	B.101	C.10
1.2122	B.102	C.10
1.2123	B.103	C.10
1.2124	B.104	C.10
1.2125	B.105	C.10
1.2126	B.106	C.10
1.2127	B.107	C.10
1.2128	B.108	C.10
1.2129	B.109	C.10
1.2130	B.110	C.10
1.2131	B.111	C.10
1.2132	B.112	C.10
1.2133	B.113	C.10
1.2134	B.114	C.10
1.2135	B.115	C.10
1.2136	B.116	C.10
1.2137	B.117	C.10
1.2138	B.118	C.10
1.2139	B.119	C.10
1.2140	B.120	C.10
1.2141	B.121	C.10
1.2142	B.122	C.10
1.2143	B.123	C.10
1.2144	B.124	C.10
1.2145	B.125	C.10
1.2146	B.126	C.10
1.2147	B.127	C.10
1.2148	B.128	C.10
1.2149	B.129	C.10
1.2150	B.130	C.10
1.2151	B.131	C.10
1.2152	B.132	C.10
1.2153	B.133	C.10
1.2154	B.134	C.10
1.2155	B.135	C.10
1.2156	B.136	C.10
1.2157	B.137	C.10
1.2158	B.138	C.10
1.2159	B.139	C.10
1.2160	B.140	C.10
1.2161	B.141	C.10

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comp.	herbi-	safener
no.	cide B	С
1.2162	B.142	C.10
1.2163	B.143	C.10
1.2164	B.144	C.10
1.2165	B.145	C.10
1.2166	B.146	C.10
1.2167	B.147	C.10
1.2168	B.148	C.10
1.2169	B.149	C.10
1.2170	B.150	C.10
1.2171	B.151	C.10
1.2172	B.152	C.10
1.2173	B.153	C.10
1.2174	B.154	C.10
1.2175	B.155	C.10
1.2176	B.156	C.10
1.2177	B.157	C.10
1.2178	B.158	C.10
1.2179	B.159	C.10
1.2180	B.160	C.10
1.2181	B.161	C.10
1.2182	B.162	C.10
1.2183	B.163	C.10
1.2184	B.164	C.10
1.2185	B.165	C.10
1.2186	B.166	C.10
1.2187	B.167	C.10
1.2188	B.168	C.10
1.2189	B.169	C.10
1.2190	B.170	C.10
1.2191	B.171	C.10
1.2192	B.172	C.10
1.2193	B.173	C.10
1.2194	B.174	C.10
1.2195	B.175	C.10
1.2196	B.176	C.10
1.2197	B.177	C.10
1.2198	B.178	C.10
1.2199	B.179	C.10
1.2200	B.180	C.10
1.2201	B.181	C.10
1.2202	B.182	C.10
	1	I

	herbi-	safener
no.	cide B	С
1.2203	B.183	C.10
1.2204	B.184	C.10
1.2205	B.185	C.10
1.2206	B.186	C.10
1.2207	B.187	C.10
1.2208	B.188	C.10
1.2209	B.189	C.10
1.2210	B.190	C.10
1.2211	B.191	C.10
1.2212	B.192	C.10
1.2213	B.193	C.10
1.2214	B.194	C.10
1.2215	B.195	C.10
1.2216	B.196	C.10
1.2217	B.197	C.10
1.2218	B.198	C.10
1.2219	B.199	C.10
1.2220	B.200	C.10
1.2221	B.201	C.10
1.2222	B.202	C.10
1.2223	B.1	C.11
1.2224	B.2	C.11
1.2225	B.3	C.11
1.2226	B.4	C.11
1.2227	B.5	C.11
1.2228	B.6	C.11
1.2229	B.7	C.11
1.2230	B.8	C.11
1.2231	B.9	C.11
1.2232	B.10	C.11
1.2233	B.11	C.11
1.2234	B.12	C.11
1.2235	B.13	C.11
1.2236	B.14	C.11
1.2237	B.15	C.11
1.2238	B.16	C.11
1.2239	B.17	C.11
1.2240	B.18	C.11
1.2241	B.19	C.11
1.2242	B.20	C.11
1.2243	B.21	C.11

comp.	herbi-	safener
no.	cide B	С
1.2244	B.22	C.11
1.2245	B.23	C.11
1.2246	B.24	C.11
1.2247	B.25	C.11
1.2248	B.26	C.11
1.2249	B.27	C.11
1.2250	B.28	C.11
1.2251	B.29	C.11
1.2252	B.30	C.11
1.2253	B.31	C.11
1.2254	B.32	C.11
1.2255	B.33	C.11
1.2256	B.34	C.11
1.2257	B.35	C.11
1.2258	B.36	C.11
1.2259	B.37	C.11
1.2260	B.38	C.11
1.2261	B.39	C.11
1.2262	B.40	C.11
1.2263	B.41	C.11
1.2264	B.42	C.11
1.2265	B.43	C.11
1.2266	B.44	C.11
1.2267	B.45	C.11
1.2268	B.46	C.11
1.2269	B.47	C.11
1.2270	B.48	C.11
1.2271	B.49	C.11
1.2272	B.50	C.11
1.2273	B.51	C.11
1.2274	B.52	C.11
1.2275	B.53	C.11
1.2276	B.54	C.11
1.2277	B.55	C.11
1.2278	B.56	C.11
1.2279	B.57	C.11
1.2280	B.58	C.11
1.2281	B.59	C.11
1.2282	B.60	C.11
1.2283	B.61	C.11
1.2284	B.62	C.11

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comp.	herbi-	safener
no.	cide B	С
1.2285	B.63	C.11
1.2286	B.64	C.11
1.2287	B.65	C.11
1.2288	B.66	C.11
1.2289	B.67	C.11
1.2290	B.68	C.11
1.2291	B.69	C.11
1.2292	B.70	C.11
1.2293	B.71	C.11
1.2294	B.72	C.11
1.2295	B.73	C.11
1.2296	B.74	C.11
1.2297	B.75	C.11
1.2298	B.76	C.11
1.2299	B.77	C.11
1.2300	B.78	C.11
1.2301	B.79	C.11
1.2302	B.80	C.11
1.2303	B.81	C.11
1.2304	B.82	C.11
1.2305	B.83	C.11
1.2306	B.84	C.11
1.2307	B.85	C.11
1.2308	B.86	C.11
1.2309	B.87	C.11
1.2310	B.88	C.11
1.2311	B.89	C.11
1.2312	B.90	C.11
1.2313	B.91	C.11
1.2314	B.92	C.11
1.2315	B.93	C.11
1.2316	B.94	C.11
1.2317	B.95	C.11
1.2318	B.96	C.11
1.2319	B.97	C.11
1.2320	B.98	C.11
1.2321	B.99	C.11
1.2322	B.100	C.11
1.2323	B.101	C.11
1.2324	B.102	C.11
1.2325	B.103	C.11

no.cide BC1.2326B.104C.111.2327B.105C.111.2328B.106C.111.2329B.107C.111.2329B.107C.111.2330B.108C.111.2331B.109C.111.2332B.110C.111.2333B.111C.111.2334B.112C.111.2335B.113C.111.2336B.114C.111.2337B.115C.111.2338B.116C.111.2339B.117C.111.2340B.118C.111.2341B.119C.111.2343B.121C.111.2344B.122C.111.2345B.123C.11	
1.2327B.105C.111.2328B.106C.111.2329B.107C.111.2329B.108C.111.2330B.108C.111.2331B.109C.111.2332B.110C.111.2333B.111C.111.2334B.112C.111.2335B.113C.111.2336B.114C.111.2337B.115C.111.2338B.116C.111.2339B.117C.111.2340B.118C.111.2341B.119C.111.2343B.121C.111.2344B.122C.11	
1.2328B.106C.111.2329B.107C.111.2330B.108C.111.2331B.109C.111.2332B.110C.111.2333B.111C.111.2334B.112C.111.2335B.113C.111.2336B.114C.111.2337B.115C.111.2338B.116C.111.2339B.117C.111.2340B.118C.111.2341B.119C.111.2343B.121C.111.2344B.122C.11	
1.2329B.107C.111.2330B.108C.111.2331B.109C.111.2332B.110C.111.2333B.111C.111.2334B.112C.111.2335B.113C.111.2336B.114C.111.2337B.115C.111.2338B.116C.111.2339B.117C.111.2341B.119C.111.2342B.120C.111.2343B.121C.111.2344B.122C.11	
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1.2340B.118C.111.2341B.119C.111.2342B.120C.111.2343B.121C.111.2344B.122C.11	
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1.2342B.120C.111.2343B.121C.111.2344B.122C.11	
1.2343B.121C.111.2344B.122C.11	
1.2344 B.122 C.11	
1.2345 B.123 C.11	
1.2346 B.124 C.11	
1.2347 B.125 C.11	
1.2348 B.126 C.11	
1.2349 B.127 C.11	
1.2350 B.128 C.11	
1.2351 B.129 C.11	
1.2352 B.130 C.11	
1.2353 B.131 C.11	
1.2354 B.132 C.11	
1.2355 B.133 C.11	
1.2356 B.134 C.11	
1.2357 B.135 C.11	
1.2358 B.136 C.11	
1.2359 B.137 C.11	
1.2360 B.138 C.11	
1.2361 B.139 C.11	
1.2362 B.140 C.11	
1.2363 B.141 C.11	
1.2364 B.142 C.11	
1.2365 B.143 C.11	
1.2366 B.144 C.11	

comp.	herbi-	safener
no.	cide B	С
1.2367	B.145	C.11
1.2368	B.146	C.11
1.2369	B.147	C.11
1.2370	B.148	C.11
1.2371	B.149	C.11
1.2372	B.150	C.11
1.2373	B.151	C.11
1.2374	B.152	C.11
1.2375	B.153	C.11
1.2376	B.154	C.11
1.2377	B.155	C.11
1.2378	B.156	C.11
1.2379	B.157	C.11
1.2380	B.158	C.11
1.2381	B.159	C.11
1.2382	B.160	C.11
1.2383	B.161	C.11
1.2384	B.162	C.11
1.2385	B.163	C.11
1.2386	B.164	C.11
1.2387	B.165	C.11
1.2388	B.166	C.11
1.2389	B.167	C.11
1.2390	B.168	C.11
1.2391	B.169	C.11
1.2392	B.170	C.11
1.2393	B.171	C.11
1.2394	B.172	C.11
1.2395	B.173	C.11
1.2396	B.174	C.11
1.2397	B.175	C.11
1.2398	B.176	C.11
1.2399	B.177	C.11
1.2400	B.178	C.11
1.2401	B.179	C.11
1.2402	B.180	C.11
1.2403	B.181	C.11
1.2404	B.182	C.11
1.2405	B.183	C.11
1.2406	B.184	C.11
1.2407	B.185	C.11

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comp.	herbi-	safener
no.	cide B	С
1.2408	B.186	C.11
1.2409	B.187	C.11
1.2410	B.188	C.11
1.2411	B.189	C.11
1.2412	B.190	C.11
1.2413	B.191	C.11
1.2414	B.192	C.11
1.2415	B.193	C.11
1.2416	B.194	C.11
1.2417	B.195	C.11
1.2418	B.196	C.11
1.2419	B.197	C.11
1.2420	B.198	C.11
1.2421	B.199	C.11
1.2422	B.200	C.11
1.2423	B.201	C.11
1.2424	B.202	C.11
1.2425	B.1	C.12
1.2426	B.2	C.12
1.2427	B.3	C.12
1.2428	B.4	C.12
1.2429	B.5	C.12
1.2430	B.6	C.12
1.2431	B.7	C.12
1.2432	B.8	C.12
1.2433	B.9	C.12
1.2434	B.10	C.12
1.2435	B.11	C.12
1.2436	B.12	C.12
1.2437	B.13	C.12
1.2438	B.14	C.12
1.2439	B.15	C.12
1.2440	B.16	C.12
1.2441	B.17	C.12
1.2442	B.18	C.12
1.2443	B.19	C.12
1.2444	B.20	C.12
1.2445	B.21	C.12
1.2446	B.22	C.12
1.2447	B.23	C.12
1.2448	B.24	C.12

comp.	herbi-	safener
no.	cide B	С
1.2449	B.25	C.12
1.2450	B.26	C.12
1.2451	B.27	C.12
1.2452	B.28	C.12
1.2453	B.29	C.12
1.2454	B.30	C.12
1.2455	B.31	C.12
1.2456	B.32	C.12
1.2457	B.33	C.12
1.2458	B.34	C.12
1.2459	B.35	C.12
1.2460	B.36	C.12
1.2461	B.37	C.12
1.2462	B.38	C.12
1.2463	B.39	C.12
1.2464	B.40	C.12
1.2465	B.41	C.12
1.2466	B.42	C.12
1.2467	B.43	C.12
1.2468	B.44	C.12
1.2469	B.45	C.12
1.2470	B.46	C.12
1.2471	B.47	C.12
1.2472	B.48	C.12
1.2473	B.49	C.12
1.2474	B.50	C.12
1.2475	B.51	C.12
1.2476	B.52	C.12
1.2477	B.53	C.12
1.2478	B.54	C.12
1.2479	B.55	C.12
1.2480	B.56	C.12
1.2481	B.57	C.12
1.2482	B.58	C.12
1.2483	B.59	C.12
1.2484	B.60	C.12
1.2485	B.61	C.12
1.2486	B.62	C.12
1.2487	B.63	C.12
1.2488	B.64	C.12
1.2489	B.65	C.12

comp.	herbi-	safener
no.	cide B	С
1.2490	B.66	C.12
1.2491	B.67	C.12
1.2492	B.68	C.12
1.2493	B.69	C.12
1.2494	B.70	C.12
1.2495	B.71	C.12
1.2496	B.72	C.12
1.2497	B.73	C.12
1.2498	B.74	C.12
1.2499	B.75	C.12
1.2500	B.76	C.12
1.2501	B.77	C.12
1.2502	B.78	C.12
1.2503	B.79	C.12
1.2504	B.80	C.12
1.2505	B.81	C.12
1.2506	B.82	C.12
1.2507	B.83	C.12
1.2508	B.84	C.12
1.2509	B.85	C.12
1.2510	B.86	C.12
1.2511	B.87	C.12
1.2512	B.88	C.12
1.2513	B.89	C.12
1.2514	B.90	C.12
1.2515	B.91	C.12
1.2516	B.92	C.12
1.2517	B.93	C.12
1.2518	B.94	C.12
1.2519	B.95	C.12
1.2520	B.96	C.12
1.2521	B.97	C.12
1.2522	B.98	C.12
1.2523	B.99	C.12
1.2524	B.100	C.12
1.2525	B.101	C.12
1.2526	B.102	C.12
1.2527	B.103	C.12
1.2528	B.104	C.12
1.2529	B.105	C.12
1.2530	B.106	C.12

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comp.	herbi-	safener
no.	cide B	С
1.2531	B.107	C.12
1.2532	B.108	C.12
1.2533	B.109	C.12
1.2534	B.110	C.12
1.2535	B.111	C.12
1.2536	B.112	C.12
1.2537	B.113	C.12
1.2538	B.114	C.12
1.2539	B.115	C.12
1.2540	B.116	C.12
1.2541	B.117	C.12
1.2542	B.118	C.12
1.2543	B.119	C.12
1.2544	B.120	C.12
1.2545	B.121	C.12
1.2546	B.122	C.12
1.2547	B.123	C.12
1.2548	B.124	C.12
1.2549	B.125	C.12
1.2550	B.126	C.12
1.2551	B.127	C.12
1.2552	B.128	C.12
1.2553	B.129	C.12
1.2554	B.130	C.12
1.2555	B.131	C.12
1.2556	B.132	C.12
1.2557	B.133	C.12
1.2558	B.134	C.12
1.2559	B.135	C.12
1.2560	B.136	C.12
1.2561	B.137	C.12
1.2562	B.138	C.12
1.2563	B.139	C.12
1.2564	B.140	C.12
1.2565	B.141	C.12
1.2566	B.142	C.12
1.2567	B.143	C.12
1.2568	B.144	C.12
1.2569	B.145	C.12
1.2570	B.146	C.12
1.2571	B.147	C.12

comp.	herbi-	safener
no.	cide B	C
1.2572	B.148	C.12
1.2573	B.149	C.12
1.2574	B.150	C.12
1.2575	B.151	C.12
1.2576	B.152	C.12
1.2577	B.153	C.12
1.2578	B.154	C.12
1.2579	B.155	C.12
1.2580	B.156	C.12
1.2581	B.157	C.12
1.2582	B.158	C.12
1.2583	B.159	C.12
1.2584	B.160	C.12
1.2585	B.161	C.12
1.2586	B.162	C.12
1.2587	B.163	C.12
1.2588	B.164	C.12
1.2589	B.165	C.12
1.2590	B.166	C.12
1.2591	B.167	C.12
1.2592	B.168	C.12
1.2593	B.169	C.12
1.2594	B.170	C.12
1.2595	B.171	C.12
1.2596	B.172	C.12
1.2597	B.173	C.12
1.2598	B.174	C.12
1.2599	B.175	C.12
1.2600	B.176	C.12
1.2601	B.177	C.12
1.2602	B.178	C.12
1.2603	B.179	C.12
1.2604	B.180	C.12
1.2605	B.181	C.12
1.2606	B.182	C.12
1.2607	B.183	C.12
1.2608	B.184	C.12
1.2609	B.185	C.12
1.2610	B.186	C.12
1.2611	B.187	C.12
1 0010		

C.12

1.2612

B.188

comp.	herbi-	safener
no.	cide B	С
1.2613	B.189	C.12
1.2614	B.190	C.12
1.2615	B.191	C.12
1.2616	B.192	C.12
1.2617	B.193	C.12
1.2618	B.194	C.12
1.2619	B.195	C.12
1.2620	B.196	C.12
1.2621	B.197	C.12
1.2622	B.198	C.12
1.2623	B.199	C.12
1.2624	B.200	C.12
1.2625	B.201	C.12
1.2626	B.202	C.12
1.2627	B.1	C.13
1.2628	B.2	C.13
1.2629	B.3	C.13
1.2630	B.4	C.13
1.2631	B.5	C.13
1.2632	B.6	C.13
1.2633	B.7	C.13
1.2634	B.8	C.13
1.2635	B.9	C.13
1.2636	B.10	C.13
1.2637	B.11	C.13
1.2638	B.12	C.13
1.2639	B.13	C.13
1.2640	B.14	C.13
1.2641	B.15	C.13
1.2642	B.16	C.13
1.2643	B.17	C.13
1.2644	B.18	C.13
1.2645	B.19	C.13
1.2646	B.20	C.13
1.2647	B.21	C.13
1.2648	B.22	C.13
1.2649	B.23	C.13
1.2650	B.24	C.13
1.2651	B.25	C.13
1.2652	B.26	C.13
1.2653	B.27	C.13

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comp.	herbi-	safener
no.	cide B	С
1.2654	B.28	C.13
1.2655	B.29	C.13
1.2656	B.30	C.13
1.2657	B.31	C.13
1.2658	B.32	C.13
1.2659	B.33	C.13
1.2660	B.34	C.13
1.2661	B.35	C.13
1.2662	B.36	C.13
1.2663	B.37	C.13
1.2664	B.38	C.13
1.2665	B.39	C.13
1.2666	B.40	C.13
1.2667	B.41	C.13
1.2668	B.42	C.13
1.2669	B.43	C.13
1.2670	B.44	C.13
1.2671	B.45	C.13
1.2672	B.46	C.13
1.2673	B.47	C.13
1.2674	B.48	C.13
1.2675	B.49	C.13
1.2676	B.50	C.13
1.2677	B.51	C.13
1.2678	B.52	C.13
1.2679	B.53	C.13
1.2680	B.54	C.13
1.2681	B.55	C.13
1.2682	B.56	C.13
1.2683	B.57	C.13
1.2684	B.58	C.13
1.2685	B.59	C.13
1.2686	B.60	C.13
1.2687	B.61	C.13
1.2688	B.62	C.13
1.2689	B.63	C.13
1.2690	B.64	C.13
1.2691	B.65	C.13
1.2692	B.66	C.13
1.2693	B.67	C.13
1.2694	B.68	C.13

no.cide BC1.2695B.69C.131.2696B.70C.131.2697B.71C.131.2698B.72C.131.2699B.73C.131.2699B.73C.131.2700B.74C.131.2701B.75C.131.2702B.76C.131.2703B.77C.131.2704B.78C.131.2705B.79C.131.2706B.80C.131.2707B.81C.131.2708B.82C.131.2709B.83C.13
1.2696B.70C.131.2697B.71C.131.2698B.72C.131.2699B.73C.131.2700B.74C.131.2701B.75C.131.2702B.76C.131.2703B.77C.131.2704B.78C.131.2705B.79C.131.2706B.80C.131.2708B.82C.13
1.2697B.71C.131.2698B.72C.131.2699B.73C.131.2700B.74C.131.2701B.75C.131.2702B.76C.131.2703B.77C.131.2704B.78C.131.2705B.79C.131.2706B.80C.131.2708B.82C.13
1.2698B.72C.131.2699B.73C.131.2700B.74C.131.2701B.75C.131.2702B.76C.131.2703B.77C.131.2704B.78C.131.2705B.79C.131.2706B.80C.131.2708B.82C.13
1.2699B.73C.131.2700B.74C.131.2701B.75C.131.2702B.76C.131.2703B.77C.131.2704B.78C.131.2705B.79C.131.2706B.80C.131.2707B.81C.131.2708B.82C.13
1.2700B.74C.131.2701B.75C.131.2702B.76C.131.2703B.77C.131.2704B.78C.131.2705B.79C.131.2706B.80C.131.2707B.81C.131.2708B.82C.13
1.2701B.75C.131.2702B.76C.131.2703B.77C.131.2704B.78C.131.2705B.79C.131.2706B.80C.131.2707B.81C.131.2708B.82C.13
1.2702B.76C.131.2703B.77C.131.2704B.78C.131.2705B.79C.131.2706B.80C.131.2707B.81C.131.2708B.82C.13
1.2703B.77C.131.2704B.78C.131.2705B.79C.131.2706B.80C.131.2707B.81C.131.2708B.82C.13
1.2704B.78C.131.2705B.79C.131.2706B.80C.131.2707B.81C.131.2708B.82C.13
1.2705B.79C.131.2706B.80C.131.2707B.81C.131.2708B.82C.13
1.2706B.80C.131.2707B.81C.131.2708B.82C.13
1.2707B.81C.131.2708B.82C.13
1.2708 B.82 C.13
1.2709 B.83 C.13
1.2710 B.84 C.13
1.2711 B.85 C.13
1.2712 B.86 C.13
1.2713 B.87 C.13
1.2714 B.88 C.13
1.2715 B.89 C.13
1.2716 B.90 C.13
1.2717 B.91 C.13
1.2718 B.92 C.13
1.2719 B.93 C.13
1.2720 B.94 C.13
1.2721 B.95 C.13
1.2722 B.96 C.13
1.2723 B.97 C.13
1.2724 B.98 C.13
1.2725 B.99 C.13
1.2726 B.100 C.13
1.2727 B.101 C.13
1.2728 B.102 C.13
1.2729 B.103 C.13
1.2730 B.104 C.13
1.2731 B.105 C.13
1.2732 B.106 C.13
1.2733 B.107 C.13
1.2734 B.108 C.13
1.2735 B.109 C.13

comp.	herbi-	safener
no.	cide B	С
1.2736	B.110	C.13
1.2737	B.111	C.13
1.2738	B.112	C.13
1.2739	B.113	C.13
1.2740	B.114	C.13
1.2741	B.115	C.13
1.2742	B.116	C.13
1.2743	B.117	C.13
1.2744	B.118	C.13
1.2745	B.119	C.13
1.2746	B.120	C.13
1.2747	B.121	C.13
1.2748	B.122	C.13
1.2749	B.123	C.13
1.2750	B.124	C.13
1.2751	B.125	C.13
1.2752	B.126	C.13
1.2753	B.127	C.13
1.2754	B.128	C.13
1.2755	B.129	C.13
1.2756	B.130	C.13
1.2757	B.131	C.13
1.2758	B.132	C.13
1.2759	B.133	C.13
1.2760	B.134	C.13
1.2761	B.135	C.13
1.2762	B.136	C.13
1.2763	B.137	C.13
1.2764	B.138	C.13
1.2765	B.139	C.13
1.2766	B.140	C.13
1.2767	B.141	C.13
1.2768	B.142	C.13
1.2769	B.143	C.13
1.2770	B.144	C.13
1.2771	B.145	C.13
1.2772	B.146	C.13
1.2773	B.147	C.13
1.2774	B.148	C.13
1.2775	B.149	C.13
1.2776	B.150	C.13
L	1	

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comp.herbi-safenerno.cide BC1.2777B.151C.131.2778B.152C.131.2779B.153C.131.2780B.154C.131.2781B.155C.131.2782B.156C.131.2783B.157C.131.2784B.158C.131.2785B.159C.131.2786B.160C.131.2787B.161C.131.2788B.162C.131.2789B.163C.131.2789B.163C.131.2790B.164C.131.2791B.165C.131.2792B.166C.131.2793B.167C.131.2794B.168C.131.2795B.169C.131.2796B.170C.131.2797B.171C.131.2798B.172C.131.2799B.173C.131.2799B.174C.131.2801B.175C.131.2802B.176C.131.2803B.177C.131.2804B.180C.131.2805B.179C.131.2806B.180C.131.2807B.181C.131.2808B.182C.131.2809B.183C.131.2811B.185C.131.2814B.189C.131.2815B.189C.131.2814B.189C.13	РСТ	/EP2017/0	67285
1.2777B.151C.131.2778B.152C.131.2779B.153C.131.2780B.154C.131.2781B.155C.131.2782B.156C.131.2783B.157C.131.2784B.158C.131.2785B.159C.131.2786B.160C.131.2787B.161C.131.2788B.162C.131.2789B.163C.131.2790B.164C.131.2791B.165C.131.2792B.166C.131.2793B.167C.131.2794B.168C.131.2795B.169C.131.2796B.170C.131.2797B.171C.131.2798B.172C.131.2799B.173C.131.2799B.174C.131.2801B.175C.131.2802B.176C.131.2803B.177C.131.2804B.178C.131.2805B.179C.131.2806B.180C.131.2807B.181C.131.2808B.182C.131.2811B.185C.131.2812B.186C.131.2814B.188C.131.2815B.189C.131.2814B.188C.131.2815B.189C.131.2816B.189C.131.2815B.189C.13 <td>comp.</td> <td>herbi-</td> <td>safener</td>	comp.	herbi-	safener
1.2778B.152C.131.2779B.153C.131.2780B.154C.131.2781B.155C.131.2782B.156C.131.2783B.157C.131.2784B.158C.131.2785B.159C.131.2786B.160C.131.2787B.161C.131.2788B.162C.131.2789B.163C.131.2780B.164C.131.2781B.165C.131.2792B.166C.131.2793B.167C.131.2794B.168C.131.2795B.169C.131.2796B.170C.131.2797B.171C.131.2798B.172C.131.2799B.173C.131.2799B.174C.131.2801B.175C.131.2802B.176C.131.2803B.177C.131.2804B.178C.131.2805B.179C.131.2806B.180C.131.2807B.181C.131.2808B.182C.131.2810B.184C.131.2811B.185C.131.2814B.188C.131.2815B.189C.131.2814B.188C.131.2815B.189C.131.2816B.189C.131.2815B.189C.131.2816B.189C.13 <td>no.</td> <td>cide B</td> <td>С</td>	no.	cide B	С
1.2779B.153C.131.2780B.154C.131.2781B.155C.131.2782B.156C.131.2783B.157C.131.2784B.158C.131.2785B.159C.131.2786B.160C.131.2787B.161C.131.2788B.162C.131.2789B.163C.131.2789B.164C.131.2790B.164C.131.2791B.165C.131.2792B.166C.131.2793B.167C.131.2794B.168C.131.2795B.169C.131.2796B.170C.131.2797B.171C.131.2798B.172C.131.2799B.173C.131.2799B.174C.131.2801B.175C.131.2802B.176C.131.2803B.177C.131.2804B.178C.131.2805B.179C.131.2806B.180C.131.2807B.181C.131.2808B.182C.131.2810B.184C.131.2811B.186C.131.2814B.188C.131.2815B.189C.131.2816B.180C.131.2816B.180C.131.2816B.180C.131.2816B.189C.131.2816B.189C.13 <td>1.2777</td> <td>B.151</td> <td>C.13</td>	1.2777	B.151	C.13
1.2780B.154C.131.2781B.155C.131.2782B.156C.131.2783B.157C.131.2784B.158C.131.2785B.159C.131.2786B.160C.131.2787B.161C.131.2788B.162C.131.2789B.163C.131.2790B.164C.131.2791B.165C.131.2792B.166C.131.2793B.167C.131.2794B.168C.131.2795B.169C.131.2796B.170C.131.2797B.171C.131.2798B.172C.131.2799B.173C.131.2799B.174C.131.2799B.175C.131.2801B.175C.131.2802B.176C.131.2803B.177C.131.2804B.178C.131.2805B.179C.131.2806B.180C.131.2807B.181C.131.2808B.182C.131.2809B.183C.131.2810B.184C.131.2811B.185C.131.2814B.189C.131.2815B.189C.131.2815B.189C.131.2816B.180C.131.2815B.189C.131.2816B.189C.131.2815B.189C.13 <td>1.2778</td> <td>B.152</td> <td>C.13</td>	1.2778	B.152	C.13
1.2781B.155C.131.2782B.156C.131.2783B.157C.131.2784B.158C.131.2785B.159C.131.2786B.160C.131.2787B.161C.131.2788B.162C.131.2789B.163C.131.2790B.164C.131.2791B.165C.131.2792B.166C.131.2793B.167C.131.2794B.168C.131.2795B.169C.131.2796B.170C.131.2797B.171C.131.2798B.172C.131.2799B.173C.131.2799B.174C.131.2799B.175C.131.2801B.175C.131.2802B.176C.131.2803B.177C.131.2804B.178C.131.2805B.179C.131.2806B.180C.131.2807B.181C.131.2808B.182C.131.2809B.184C.131.2810B.184C.131.2811B.185C.131.2812B.180C.131.2814B.188C.131.2815B.189C.131.2816B.189C.131.2815B.189C.131.2816B.180C.131.2815B.189C.131.2816B.189C.13 <td>1.2779</td> <td>B.153</td> <td>C.13</td>	1.2779	B.153	C.13
1.2782B.156C.131.2783B.157C.131.2784B.158C.131.2785B.159C.131.2786B.160C.131.2787B.161C.131.2787B.162C.131.2788B.162C.131.2789B.163C.131.2790B.164C.131.2791B.165C.131.2792B.166C.131.2793B.167C.131.2794B.168C.131.2795B.169C.131.2796B.170C.131.2797B.171C.131.2798B.172C.131.2799B.173C.131.2799B.174C.131.2800B.174C.131.2801B.175C.131.2802B.176C.131.2803B.177C.131.2804B.178C.131.2805B.179C.131.2806B.180C.131.2807B.181C.131.2808B.182C.131.2809B.183C.131.2810B.184C.131.2811B.185C.131.2812B.180C.131.2814B.189C.131.2815B.189C.131.2816B.189C.131.2815B.189C.131.2816B.189C.131.2816B.189C.131.2815B.189C.13 <td>1.2780</td> <td>B.154</td> <td>C.13</td>	1.2780	B.154	C.13
1.2783B.157C.131.2784B.158C.131.2785B.159C.131.2786B.160C.131.2787B.161C.131.2787B.161C.131.2787B.161C.131.2789B.162C.131.2790B.164C.131.2791B.165C.131.2792B.166C.131.2793B.167C.131.2794B.168C.131.2795B.169C.131.2796B.170C.131.2797B.171C.131.2798B.172C.131.2799B.173C.131.2799B.174C.131.2799B.175C.131.2801B.175C.131.2802B.176C.131.2803B.177C.131.2804B.178C.131.2805B.179C.131.2806B.180C.131.2807B.181C.131.2808B.182C.131.2809B.183C.131.2810B.184C.131.2811B.185C.131.2812B.186C.131.2813B.187C.131.2814B.188C.131.2815B.189C.131.2816B.180C.131.2815B.189C.131.2816B.180C.131.2815B.189C.131.2816B.180C.13 <td>1.2781</td> <td>B.155</td> <td>C.13</td>	1.2781	B.155	C.13
1.2784B.158C.131.2785B.159C.131.2786B.160C.131.2787B.161C.131.2787B.162C.131.2788B.162C.131.2789B.163C.131.2790B.164C.131.2791B.165C.131.2792B.166C.131.2793B.167C.131.2794B.168C.131.2795B.169C.131.2796B.170C.131.2797B.171C.131.2798B.172C.131.2799B.173C.131.2799B.174C.131.2790B.175C.131.2801B.175C.131.2802B.176C.131.2803B.177C.131.2804B.178C.131.2805B.179C.131.2806B.180C.131.2807B.181C.131.2808B.182C.131.2809B.183C.131.2810B.184C.131.2811B.185C.131.2812B.186C.131.2813B.187C.131.2814B.188C.131.2815B.189C.131.2816B.190C.13	1.2782	B.156	C.13
1.2785B.159C.131.2786B.160C.131.2787B.161C.131.2787B.162C.131.2788B.162C.131.2789B.163C.131.2790B.164C.131.2791B.165C.131.2792B.166C.131.2793B.167C.131.2794B.168C.131.2795B.169C.131.2796B.170C.131.2797B.171C.131.2798B.172C.131.2799B.173C.131.2799B.174C.131.2799B.175C.131.2801B.175C.131.2802B.176C.131.2803B.177C.131.2804B.178C.131.2805B.179C.131.2806B.180C.131.2807B.181C.131.2808B.182C.131.2809B.183C.131.2810B.184C.131.2811B.185C.131.2813B.187C.131.2814B.188C.131.2815B.189C.131.2816B.180C.131.2815B.189C.131.2816B.180C.131.2815B.189C.131.2816B.180C.131.2815B.189C.131.2816B.180C.131.2815B.189C.13 <td>1.2783</td> <td>B.157</td> <td>C.13</td>	1.2783	B.157	C.13
1.2786B.160C.131.2787B.161C.131.2788B.162C.131.2789B.163C.131.2790B.164C.131.2791B.165C.131.2792B.166C.131.2793B.167C.131.2794B.168C.131.2795B.169C.131.2796B.170C.131.2797B.171C.131.2798B.172C.131.2799B.173C.131.2798B.172C.131.2799B.173C.131.2800B.174C.131.2801B.175C.131.2802B.176C.131.2803B.177C.131.2804B.178C.131.2805B.179C.131.2806B.180C.131.2807B.181C.131.2808B.182C.131.2809B.183C.131.2810B.184C.131.2811B.185C.131.2813B.187C.131.2814B.188C.131.2815B.189C.131.2815B.189C.131.2816B.190C.13	1.2784	B.158	C.13
1.2787B.161C.131.2788B.162C.131.2789B.163C.131.2790B.164C.131.2791B.165C.131.2792B.166C.131.2793B.167C.131.2794B.168C.131.2795B.169C.131.2796B.170C.131.2797B.171C.131.2798B.172C.131.2799B.173C.131.2799B.174C.131.2799B.175C.131.2800B.174C.131.2801B.175C.131.2802B.176C.131.2803B.177C.131.2804B.178C.131.2805B.179C.131.2806B.180C.131.2807B.181C.131.2808B.182C.131.2809B.183C.131.2810B.184C.131.2811B.185C.131.2812B.186C.131.2813B.187C.131.2814B.188C.131.2815B.189C.131.2816B.189C.131.2815B.189C.131.2816B.190C.13	1.2785	B.159	C.13
1.2788B.162C.131.2789B.163C.131.2790B.164C.131.2791B.165C.131.2792B.166C.131.2793B.167C.131.2794B.168C.131.2795B.169C.131.2796B.170C.131.2797B.171C.131.2798B.172C.131.2799B.173C.131.2799B.173C.131.2799B.174C.131.2799B.175C.131.2800B.174C.131.2801B.175C.131.2802B.176C.131.2803B.177C.131.2804B.178C.131.2805B.179C.131.2806B.180C.131.2807B.181C.131.2808B.182C.131.2809B.183C.131.2810B.184C.131.2811B.185C.131.2813B.187C.131.2814B.188C.131.2815B.189C.131.2816B.189C.131.2815B.189C.131.2816B.189C.13	1.2786	B.160	C.13
1.2789B.163C.131.2790B.164C.131.2791B.165C.131.2792B.166C.131.2793B.167C.131.2794B.168C.131.2795B.169C.131.2796B.170C.131.2797B.171C.131.2798B.172C.131.2799B.173C.131.2799B.173C.131.2798B.172C.131.2799B.173C.131.2800B.174C.131.2801B.175C.131.2802B.176C.131.2803B.177C.131.2804B.178C.131.2805B.179C.131.2806B.180C.131.2807B.181C.131.2808B.182C.131.2809B.183C.131.2810B.184C.131.2811B.185C.131.2813B.187C.131.2814B.188C.131.2815B.189C.131.2816B.189C.131.2815B.189C.131.2816B.189C.13	1.2787	B.161	C.13
1.2790B.164C.131.2791B.165C.131.2792B.166C.131.2793B.167C.131.2794B.168C.131.2795B.169C.131.2796B.170C.131.2797B.171C.131.2798B.172C.131.2799B.173C.131.2799B.174C.131.2799B.175C.131.2800B.174C.131.2801B.175C.131.2802B.176C.131.2803B.177C.131.2804B.178C.131.2805B.179C.131.2806B.180C.131.2807B.181C.131.2808B.182C.131.2809B.183C.131.2810B.184C.131.2811B.185C.131.2813B.187C.131.2814B.188C.131.2815B.189C.131.2816B.189C.131.2816B.189C.13	1.2788	B.162	C.13
1.2791B.165C.131.2792B.166C.131.2793B.167C.131.2794B.168C.131.2795B.169C.131.2796B.170C.131.2797B.171C.131.2798B.172C.131.2799B.173C.131.2799B.174C.131.2799B.175C.131.2800B.174C.131.2801B.175C.131.2802B.176C.131.2803B.177C.131.2804B.178C.131.2805B.179C.131.2806B.180C.131.2807B.181C.131.2808B.182C.131.2809B.183C.131.2810B.184C.131.2811B.185C.131.2812B.186C.131.2813B.187C.131.2814B.189C.131.2815B.189C.131.2816B.189C.13	1.2789	B.163	C.13
1.2792B.166C.131.2793B.167C.131.2794B.168C.131.2795B.169C.131.2796B.170C.131.2797B.171C.131.2798B.172C.131.2799B.173C.131.2799B.173C.131.2799B.174C.131.2800B.174C.131.2801B.175C.131.2802B.176C.131.2803B.177C.131.2804B.178C.131.2805B.179C.131.2806B.180C.131.2807B.181C.131.2808B.182C.131.2809B.183C.131.2810B.184C.131.2811B.185C.131.2812B.186C.131.2813B.187C.131.2814B.188C.131.2815B.189C.131.2816B.190C.13	1.2790	B.164	C.13
1.2793B.167C.131.2794B.168C.131.2795B.169C.131.2796B.170C.131.2797B.171C.131.2798B.172C.131.2799B.173C.131.2799B.174C.131.2799B.175C.131.2800B.174C.131.2801B.175C.131.2802B.176C.131.2803B.177C.131.2804B.178C.131.2805B.179C.131.2806B.180C.131.2807B.181C.131.2808B.182C.131.2809B.183C.131.2810B.184C.131.2811B.185C.131.2812B.186C.131.2813B.187C.131.2814B.188C.131.2815B.189C.131.2816B.190C.13	1.2791	B.165	C.13
1.2794B.168C.131.2795B.169C.131.2796B.170C.131.2797B.171C.131.2798B.172C.131.2798B.172C.131.2799B.173C.131.2799B.174C.131.2800B.174C.131.2801B.175C.131.2802B.176C.131.2803B.177C.131.2804B.178C.131.2805B.179C.131.2806B.180C.131.2807B.181C.131.2808B.182C.131.2809B.183C.131.2810B.184C.131.2811B.185C.131.2812B.186C.131.2813B.187C.131.2814B.188C.131.2815B.189C.131.2816B.190C.13	1.2792	B.166	C.13
1.2795B.169C.131.2796B.170C.131.2797B.171C.131.2798B.172C.131.2799B.173C.131.2799B.174C.131.2800B.174C.131.2801B.175C.131.2802B.176C.131.2803B.177C.131.2804B.178C.131.2805B.179C.131.2806B.180C.131.2807B.181C.131.2808B.182C.131.2809B.183C.131.2810B.184C.131.2811B.185C.131.2812B.186C.131.2813B.187C.131.2814B.188C.131.2815B.189C.131.2816B.190C.13	1.2793	B.167	C.13
1.2796B.170C.131.2797B.171C.131.2798B.172C.131.2799B.173C.131.2799B.174C.131.2800B.174C.131.2801B.175C.131.2802B.176C.131.2803B.177C.131.2804B.178C.131.2805B.179C.131.2806B.180C.131.2807B.181C.131.2808B.182C.131.2809B.183C.131.2810B.184C.131.2811B.185C.131.2812B.186C.131.2813B.187C.131.2814B.188C.131.2815B.189C.131.2816B.190C.13	1.2794	B.168	C.13
1.2797B.171C.131.2798B.172C.131.2799B.173C.131.2800B.174C.131.2801B.175C.131.2802B.176C.131.2803B.177C.131.2804B.178C.131.2805B.179C.131.2806B.180C.131.2807B.181C.131.2808B.182C.131.2809B.183C.131.2810B.184C.131.2811B.185C.131.2812B.186C.131.2813B.187C.131.2814B.188C.131.2815B.189C.131.2816B.190C.13	1.2795	B.169	C.13
1.2798B.172C.131.2799B.173C.131.2800B.174C.131.2801B.175C.131.2802B.176C.131.2803B.177C.131.2804B.178C.131.2805B.179C.131.2806B.180C.131.2807B.181C.131.2808B.182C.131.2809B.183C.131.2810B.184C.131.2811B.185C.131.2812B.186C.131.2813B.187C.131.2814B.188C.131.2815B.189C.131.2816B.190C.13	1.2796	B.170	C.13
1.2799B.173C.131.2800B.174C.131.2801B.175C.131.2802B.176C.131.2803B.177C.131.2804B.178C.131.2805B.179C.131.2806B.180C.131.2807B.181C.131.2808B.182C.131.2809B.183C.131.2810B.184C.131.2811B.185C.131.2812B.186C.131.2813B.187C.131.2814B.188C.131.2815B.189C.131.2816B.190C.13	1.2797	B.171	C.13
1.2800B.174C.131.2801B.175C.131.2802B.176C.131.2803B.177C.131.2804B.178C.131.2805B.179C.131.2806B.180C.131.2807B.181C.131.2808B.182C.131.2809B.183C.131.2810B.184C.131.2811B.185C.131.2812B.186C.131.2813B.187C.131.2814B.188C.131.2815B.189C.131.2816B.190C.13	1.2798	B.172	C.13
1.2801B.175C.131.2802B.176C.131.2803B.177C.131.2804B.178C.131.2805B.179C.131.2806B.180C.131.2807B.181C.131.2808B.182C.131.2809B.183C.131.2810B.184C.131.2811B.185C.131.2812B.186C.131.2813B.187C.131.2814B.188C.131.2815B.189C.131.2816B.190C.13	1.2799	B.173	C.13
1.2802B.176C.131.2803B.177C.131.2804B.178C.131.2805B.179C.131.2806B.180C.131.2807B.181C.131.2808B.182C.131.2809B.183C.131.2810B.184C.131.2811B.185C.131.2812B.186C.131.2813B.187C.131.2814B.188C.131.2815B.189C.131.2816B.190C.13	1.2800	B.174	C.13
1.2803B.177C.131.2804B.178C.131.2805B.179C.131.2806B.180C.131.2807B.181C.131.2808B.182C.131.2809B.183C.131.2810B.184C.131.2811B.185C.131.2812B.186C.131.2813B.187C.131.2814B.188C.131.2815B.189C.131.2816B.190C.13	1.2801	B.175	C.13
1.2804B.178C.131.2805B.179C.131.2806B.180C.131.2807B.181C.131.2807B.181C.131.2808B.182C.131.2809B.183C.131.2810B.184C.131.2811B.185C.131.2812B.186C.131.2813B.187C.131.2814B.188C.131.2815B.189C.131.2816B.190C.13	1.2802	B.176	C.13
1.2805B.179C.131.2806B.180C.131.2807B.181C.131.2808B.182C.131.2809B.183C.131.2810B.184C.131.2811B.185C.131.2812B.186C.131.2813B.187C.131.2814B.188C.131.2815B.189C.131.2816B.190C.13	1.2803	B.177	C.13
1.2806B.180C.131.2807B.181C.131.2808B.182C.131.2809B.183C.131.2810B.184C.131.2811B.185C.131.2812B.186C.131.2813B.187C.131.2814B.188C.131.2815B.189C.131.2816B.190C.13	1.2804	B.178	C.13
1.2807B.181C.131.2808B.182C.131.2809B.183C.131.2810B.184C.131.2811B.185C.131.2812B.186C.131.2813B.187C.131.2814B.188C.131.2815B.189C.131.2816B.190C.13	1.2805	B.179	C.13
1.2808B.182C.131.2809B.183C.131.2810B.184C.131.2811B.185C.131.2812B.186C.131.2813B.187C.131.2814B.188C.131.2815B.189C.131.2816B.190C.13	1.2806	B.180	C.13
1.2809B.183C.131.2810B.184C.131.2811B.185C.131.2812B.186C.131.2813B.187C.131.2814B.188C.131.2815B.189C.131.2816B.190C.13	1.2807	B.181	C.13
1.2810B.184C.131.2811B.185C.131.2812B.186C.131.2813B.187C.131.2814B.188C.131.2815B.189C.131.2816B.190C.13	1.2808	B.182	C.13
1.2811B.185C.131.2812B.186C.131.2813B.187C.131.2814B.188C.131.2815B.189C.131.2816B.190C.13	1.2809	B.183	C.13
1.2812B.186C.131.2813B.187C.131.2814B.188C.131.2815B.189C.131.2816B.190C.13	1.2810	B.184	C.13
1.2813B.187C.131.2814B.188C.131.2815B.189C.131.2816B.190C.13	1.2811	B.185	C.13
1.2814B.188C.131.2815B.189C.131.2816B.190C.13	1.2812	B.186	C.13
1.2815B.189C.131.2816B.190C.13	1.2813	B.187	C.13
1.2816 B.190 C.13	1.2814	B.188	C.13
	1.2815	B.189	C.13
1.2817 B.191 C.13	1.2816	B.190	C.13
	1.2817	B.191	C.13

no.cide BC1.2818B.192C.131.2819B.193C.131.2820B.194C.131.2821B.195C.131.2822B.196C.131.2823B.197C.131.2824B.198C.131.2825B.199C.131.2826B.200C.131.2827B.201C.131.2828B.202C.131.2829B.1C.141.2830B.2C.141.2831B.3C.141.2832B.4C.141.2833B.5C.141.2834B.6C.141.2835B.7C.141.2836B.7C.141.2837B.9C.141.2838B.10C.141.2839B.11C.141.2839B.11C.141.2839B.11C.141.2841B.13C.141.2843B.15C.141.2844B.16C.141.2845B.17C.141.2846B.18C.141.2847B.19C.141.2848B.20C.141.2849B.21C.141.2849B.22C.141.2841B.23C.141.2845B.24C.141.2846B.28C.141.2857B.29C.141.2854B.26C.141.2855B.27C.141.2856B.28C.14	comp.	herbi-	safener
1.2819B.193C.131.2820B.194C.131.2821B.195C.131.2822B.196C.131.2823B.197C.131.2824B.198C.131.2825B.199C.131.2826B.200C.131.2827B.201C.131.2828B.202C.131.2829B.1C.141.2830B.2C.141.2831B.3C.141.2832B.4C.141.2833B.5C.141.2834B.6C.141.2835B.7C.141.2836B.8C.141.2837B.9C.141.2838B.10C.141.2839B.11C.141.2840B.12C.141.2841B.13C.141.2842B.14C.141.2843B.15C.141.2844B.16C.141.2845B.17C.141.2846B.18C.141.2847B.19C.141.2848B.20C.141.2849B.21C.141.2849B.22C.141.2850B.24C.141.2851B.23C.141.2854B.26C.141.2855B.27C.141.2856B.28C.141.2857B.29C.14	no.	cide B	С
1.2820B.194C.131.2821B.195C.131.2822B.196C.131.2823B.197C.131.2824B.198C.131.2825B.199C.131.2826B.200C.131.2827B.201C.131.2828B.202C.131.2829B.1C.141.2830B.2C.141.2831B.3C.141.2833B.5C.141.2834B.6C.141.2835B.7C.141.2836B.8C.141.2837B.9C.141.2838B.10C.141.2839B.11C.141.2830B.12C.141.2840B.12C.141.2841B.13C.141.2842B.14C.141.2843B.15C.141.2844B.16C.141.2845B.17C.141.2846B.18C.141.2847B.19C.141.2848B.20C.141.2849B.21C.141.2849B.22C.141.2850B.23C.141.2851B.23C.141.2855B.27C.141.2856B.28C.141.2857B.29C.14	1.2818	B.192	C.13
1.2821B.195C.131.2822B.196C.131.2823B.197C.131.2824B.198C.131.2825B.199C.131.2826B.200C.131.2827B.201C.131.2828B.202C.131.2829B.1C.141.2830B.2C.141.2831B.3C.141.2832B.4C.141.2833B.5C.141.2834B.6C.141.2835B.7C.141.2836B.8C.141.2837B.9C.141.2838B.10C.141.2839B.11C.141.2840B.12C.141.2841B.13C.141.2842B.14C.141.2843B.15C.141.2844B.16C.141.2845B.17C.141.2846B.18C.141.2847B.19C.141.2848B.20C.141.2849B.21C.141.2845B.7C.141.2845B.28C.141.2851B.23C.141.2851B.23C.141.2855B.27C.141.2856B.28C.141.2856B.28C.141.2857B.29C.14	1.2819	B.193	C.13
1.2822B.196C.131.2823B.197C.131.2824B.198C.131.2825B.199C.131.2826B.200C.131.2827B.201C.131.2828B.202C.131.2829B.1C.141.2830B.2C.141.2831B.3C.141.2832B.4C.141.2833B.5C.141.2834B.6C.141.2835B.7C.141.2836B.8C.141.2837B.9C.141.2838B.10C.141.2839B.11C.141.2840B.12C.141.2841B.13C.141.2842B.14C.141.2843B.15C.141.2844B.16C.141.2845B.17C.141.2846B.18C.141.2847B.19C.141.2848B.20C.141.2849B.21C.141.2841B.23C.141.2845B.17C.141.2846B.18C.141.2847B.19C.141.2848B.20C.141.2851B.23C.141.2851B.24C.141.2855B.27C.141.2856B.28C.141.2857B.29C.14	1.2820	B.194	C.13
1.2823B.197C.131.2824B.198C.131.2825B.199C.131.2826B.200C.131.2827B.201C.131.2828B.202C.131.2829B.1C.141.2830B.2C.141.2831B.3C.141.2832B.4C.141.2833B.5C.141.2834B.6C.141.2835B.7C.141.2836B.8C.141.2837B.9C.141.2838B.10C.141.2839B.11C.141.2840B.12C.141.2841B.13C.141.2842B.14C.141.2843B.15C.141.2844B.16C.141.2845B.17C.141.2846B.18C.141.2847B.19C.141.2848B.20C.141.2851B.23C.141.2851B.24C.141.2853B.25C.141.2854B.26C.141.2855B.27C.141.2856B.28C.141.2857B.29C.14	1.2821	B.195	C.13
1.2824B.198C.131.2825B.199C.131.2826B.200C.131.2827B.201C.131.2828B.202C.131.2829B.1C.141.2830B.2C.141.2831B.3C.141.2832B.4C.141.2833B.5C.141.2834B.6C.141.2835B.7C.141.2836B.8C.141.2837B.9C.141.2838B.10C.141.2839B.11C.141.2840B.12C.141.2841B.13C.141.2842B.14C.141.2843B.15C.141.2844B.16C.141.2845B.17C.141.2846B.18C.141.2847B.19C.141.2848B.20C.141.2849B.21C.141.2851B.23C.141.2853B.25C.141.2854B.26C.141.2855B.27C.141.2856B.28C.141.2856B.28C.14	1.2822	B.196	C.13
1.2825B.199C.131.2826B.200C.131.2827B.201C.131.2828B.202C.131.2829B.1C.141.2830B.2C.141.2831B.3C.141.2832B.4C.141.2833B.5C.141.2834B.6C.141.2835B.7C.141.2836B.8C.141.2837B.9C.141.2838B.10C.141.2839B.11C.141.2840B.12C.141.2841B.13C.141.2842B.14C.141.2843B.15C.141.2844B.16C.141.2845B.17C.141.2846B.18C.141.2847B.19C.141.2848B.20C.141.2850B.22C.141.2851B.23C.141.2853B.25C.141.2854B.26C.141.2855B.27C.141.2856B.28C.141.2856B.28C.14	1.2823	B.197	C.13
1.2826B.200C.131.2827B.201C.131.2828B.202C.131.2829B.1C.141.2830B.2C.141.2831B.3C.141.2831B.3C.141.2832B.4C.141.2833B.5C.141.2834B.6C.141.2835B.7C.141.2836B.8C.141.2837B.9C.141.2838B.10C.141.2839B.11C.141.2840B.12C.141.2841B.13C.141.2842B.14C.141.2843B.15C.141.2844B.16C.141.2845B.17C.141.2846B.18C.141.2847B.19C.141.2848B.20C.141.2850B.22C.141.2851B.23C.141.2853B.25C.141.2854B.26C.141.2855B.27C.141.2856B.28C.141.2856B.28C.14	1.2824	B.198	C.13
1.2827B.201C.131.2828B.202C.131.2829B.1C.141.2830B.2C.141.2831B.3C.141.2832B.4C.141.2833B.5C.141.2834B.6C.141.2835B.7C.141.2836B.8C.141.2837B.9C.141.2838B.10C.141.2839B.11C.141.2840B.12C.141.2841B.13C.141.2842B.14C.141.2843B.15C.141.2844B.16C.141.2845B.17C.141.2846B.18C.141.2847B.19C.141.2848B.20C.141.2849B.21C.141.2850B.22C.141.2851B.23C.141.2854B.26C.141.2856B.27C.141.2856B.28C.141.2857B.29C.14	1.2825	B.199	C.13
1.2828B.202C.131.2829B.1C.141.2830B.2C.141.2831B.3C.141.2832B.4C.141.2833B.5C.141.2834B.6C.141.2835B.7C.141.2836B.8C.141.2837B.9C.141.2838B.10C.141.2839B.11C.141.2839B.12C.141.2840B.12C.141.2841B.13C.141.2842B.14C.141.2843B.15C.141.2844B.16C.141.2845B.17C.141.2846B.18C.141.2847B.19C.141.2848B.20C.141.2849B.21C.141.2850B.22C.141.2851B.23C.141.2854B.26C.141.2855B.27C.141.2856B.28C.141.2857B.29C.14	1.2826	B.200	C.13
1.2829B.1C.141.2830B.2C.141.2831B.3C.141.2832B.4C.141.2833B.5C.141.2834B.6C.141.2835B.7C.141.2836B.8C.141.2837B.9C.141.2838B.10C.141.2839B.11C.141.2840B.12C.141.2841B.13C.141.2842B.14C.141.2843B.15C.141.2844B.16C.141.2845B.17C.141.2846B.18C.141.2847B.19C.141.2848B.20C.141.2849B.21C.141.2850B.22C.141.2851B.23C.141.2854B.26C.141.2855B.27C.141.2856B.28C.141.2857B.29C.14	1.2827	B.201	C.13
1.2830B.2C.141.2831B.3C.141.2832B.4C.141.2833B.5C.141.2833B.7C.141.2834B.6C.141.2835B.7C.141.2836B.8C.141.2837B.9C.141.2838B.10C.141.2839B.11C.141.2840B.12C.141.2841B.13C.141.2842B.14C.141.2843B.15C.141.2844B.16C.141.2845B.17C.141.2846B.18C.141.2847B.19C.141.2848B.20C.141.2849B.21C.141.2850B.22C.141.2851B.23C.141.2854B.26C.141.2855B.27C.141.2856B.28C.141.2857B.29C.14	1.2828	B.202	C.13
1.2831B.3C.141.2832B.4C.141.2833B.5C.141.2834B.6C.141.2835B.7C.141.2836B.8C.141.2837B.9C.141.2838B.10C.141.2839B.11C.141.2840B.12C.141.2841B.13C.141.2842B.14C.141.2843B.15C.141.2844B.16C.141.2845B.17C.141.2846B.18C.141.2847B.19C.141.2848B.20C.141.2849B.21C.141.2850B.22C.141.2851B.23C.141.2853B.25C.141.2854B.26C.141.2855B.27C.141.2856B.28C.141.2857B.29C.14	1.2829	B.1	C.14
1.2832B.4C.141.2833B.5C.141.2834B.6C.141.2835B.7C.141.2836B.8C.141.2837B.9C.141.2838B.10C.141.2839B.11C.141.2839B.12C.141.2840B.12C.141.2841B.13C.141.2842B.14C.141.2843B.15C.141.2844B.16C.141.2845B.17C.141.2846B.18C.141.2847B.19C.141.2848B.20C.141.2849B.21C.141.2850B.22C.141.2851B.23C.141.2853B.25C.141.2854B.26C.141.2855B.27C.141.2856B.28C.141.2857B.29C.14	1.2830	B.2	C.14
1.2833B.5C.141.2834B.6C.141.2835B.7C.141.2836B.8C.141.2837B.9C.141.2837B.9C.141.2838B.10C.141.2839B.11C.141.2840B.12C.141.2841B.13C.141.2842B.14C.141.2843B.15C.141.2844B.16C.141.2845B.17C.141.2846B.18C.141.2848B.20C.141.2849B.21C.141.2849B.22C.141.2850B.22C.141.2851B.23C.141.2852B.24C.141.2854B.25C.141.2855B.27C.141.2856B.28C.141.2857B.29C.14	1.2831	B.3	C.14
1.2834B.6C.141.2835B.7C.141.2836B.8C.141.2837B.9C.141.2837B.9C.141.2838B.10C.141.2839B.11C.141.2840B.12C.141.2841B.13C.141.2842B.14C.141.2843B.15C.141.2844B.16C.141.2845B.17C.141.2846B.18C.141.2847B.19C.141.2848B.20C.141.2849B.21C.141.2850B.22C.141.2851B.23C.141.2852B.24C.141.2854B.25C.141.2854B.26C.141.2855B.27C.141.2856B.28C.141.2857B.29C.14	1.2832	B.4	C.14
1.2835B.7C.141.2836B.8C.141.2837B.9C.141.2837B.9C.141.2838B.10C.141.2839B.11C.141.2840B.12C.141.2841B.13C.141.2842B.14C.141.2843B.15C.141.2844B.16C.141.2845B.17C.141.2846B.18C.141.2847B.19C.141.2848B.20C.141.2849B.21C.141.2850B.22C.141.2851B.23C.141.2852B.24C.141.2854B.25C.141.2854B.26C.141.2855B.27C.141.2856B.28C.141.2857B.29C.14	1.2833	B.5	C.14
1.2836B.8C.141.2837B.9C.141.2838B.10C.141.2839B.11C.141.2840B.12C.141.2841B.13C.141.2842B.14C.141.2843B.15C.141.2844B.16C.141.2845B.17C.141.2846B.18C.141.2847B.19C.141.2848B.20C.141.2849B.21C.141.2850B.22C.141.2851B.23C.141.2852B.24C.141.2854B.25C.141.2854B.26C.141.2855B.27C.141.2856B.28C.141.2857B.29C.14	1.2834	B.6	C.14
1.2837B.9C.141.2838B.10C.141.2839B.11C.141.2840B.12C.141.2840B.13C.141.2841B.13C.141.2842B.14C.141.2843B.15C.141.2843B.16C.141.2844B.16C.141.2845B.17C.141.2846B.18C.141.2847B.19C.141.2848B.20C.141.2849B.21C.141.2850B.22C.141.2851B.23C.141.2853B.25C.141.2854B.26C.141.2855B.27C.141.2856B.28C.141.2857B.29C.14	1.2835	B.7	C.14
1.2838B.10C.141.2839B.11C.141.2840B.12C.141.2841B.13C.141.2842B.14C.141.2843B.15C.141.2843B.16C.141.2844B.16C.141.2845B.17C.141.2846B.18C.141.2847B.19C.141.2848B.20C.141.2849B.21C.141.2850B.22C.141.2851B.23C.141.2852B.24C.141.2853B.25C.141.2854B.26C.141.2855B.27C.141.2856B.28C.141.2857B.29C.14	1.2836	B.8	C.14
1.2839B.11C.141.2840B.12C.141.2841B.13C.141.2842B.14C.141.2843B.15C.141.2844B.16C.141.2845B.17C.141.2846B.18C.141.2847B.19C.141.2848B.20C.141.2849B.21C.141.2850B.22C.141.2851B.23C.141.2852B.24C.141.2853B.25C.141.2854B.26C.141.2855B.27C.141.2856B.28C.141.2857B.29C.14	1.2837	B.9	C.14
1.2840B.12C.141.2841B.13C.141.2842B.14C.141.2843B.15C.141.2843B.16C.141.2844B.16C.141.2845B.17C.141.2846B.18C.141.2847B.19C.141.2848B.20C.141.2849B.21C.141.2850B.22C.141.2851B.23C.141.2852B.24C.141.2853B.25C.141.2854B.26C.141.2855B.27C.141.2856B.28C.141.2857B.29C.14	1.2838	B.10	C.14
1.2841B.13C.141.2842B.14C.141.2843B.15C.141.2843B.16C.141.2844B.16C.141.2845B.17C.141.2846B.18C.141.2847B.19C.141.2848B.20C.141.2849B.21C.141.2850B.22C.141.2851B.23C.141.2852B.24C.141.2853B.25C.141.2854B.26C.141.2855B.27C.141.2856B.28C.141.2857B.29C.14	1.2839	B.11	C.14
1.2842B.14C.141.2843B.15C.141.2844B.16C.141.2845B.17C.141.2846B.18C.141.2847B.19C.141.2848B.20C.141.2849B.21C.141.2850B.22C.141.2851B.23C.141.2852B.24C.141.2853B.25C.141.2854B.26C.141.2855B.27C.141.2856B.28C.141.2857B.29C.14	1.2840	B.12	C.14
1.2843B.15C.141.2844B.16C.141.2845B.17C.141.2846B.18C.141.2847B.19C.141.2848B.20C.141.2849B.21C.141.2850B.22C.141.2851B.23C.141.2852B.24C.141.2853B.25C.141.2854B.26C.141.2855B.27C.141.2856B.28C.141.2857B.29C.14	1.2841	B.13	C.14
1.2844B.16C.141.2845B.17C.141.2846B.18C.141.2847B.19C.141.2847B.20C.141.2848B.20C.141.2849B.21C.141.2850B.22C.141.2851B.23C.141.2852B.24C.141.2853B.25C.141.2854B.26C.141.2855B.27C.141.2856B.28C.141.2857B.29C.14	1.2842	B.14	C.14
1.2845B.17C.141.2846B.18C.141.2847B.19C.141.2847B.19C.141.2848B.20C.141.2849B.21C.141.2850B.22C.141.2851B.23C.141.2852B.24C.141.2853B.25C.141.2854B.26C.141.2855B.27C.141.2856B.28C.141.2857B.29C.14	1.2843	B.15	C.14
1.2846B.18C.141.2847B.19C.141.2847B.20C.141.2848B.20C.141.2849B.21C.141.2850B.22C.141.2851B.23C.141.2852B.24C.141.2853B.25C.141.2854B.26C.141.2855B.27C.141.2856B.28C.141.2857B.29C.14	1.2844	B.16	C.14
1.2847B.19C.141.2848B.20C.141.2849B.21C.141.2850B.22C.141.2851B.23C.141.2852B.24C.141.2853B.25C.141.2854B.26C.141.2855B.27C.141.2856B.28C.141.2857B.29C.14	1.2845	B.17	C.14
1.2848B.20C.141.2849B.21C.141.2850B.22C.141.2851B.23C.141.2852B.24C.141.2853B.25C.141.2854B.26C.141.2855B.27C.141.2856B.28C.141.2857B.29C.14	1.2846	B.18	C.14
1.2849B.21C.141.2850B.22C.141.2851B.23C.141.2852B.24C.141.2853B.25C.141.2854B.26C.141.2855B.27C.141.2856B.28C.141.2857B.29C.14	1.2847	B.19	C.14
1.2850B.22C.141.2851B.23C.141.2852B.24C.141.2853B.25C.141.2854B.26C.141.2855B.27C.141.2856B.28C.141.2857B.29C.14	1.2848	B.20	C.14
1.2851B.23C.141.2852B.24C.141.2853B.25C.141.2854B.26C.141.2855B.27C.141.2856B.28C.141.2857B.29C.14	1.2849	B.21	C.14
1.2852B.24C.141.2853B.25C.141.2854B.26C.141.2855B.27C.141.2856B.28C.141.2857B.29C.14	1.2850	B.22	C.14
1.2853B.25C.141.2854B.26C.141.2855B.27C.141.2856B.28C.141.2857B.29C.14	1.2851	B.23	C.14
1.2854B.26C.141.2855B.27C.141.2856B.28C.141.2857B.29C.14	1.2852	B.24	C.14
1.2855B.27C.141.2856B.28C.141.2857B.29C.14	1.2853	B.25	C.14
1.2856B.28C.141.2857B.29C.14	1.2854	B.26	C.14
1.2857 B.29 C.14	1.2855	B.27	C.14
	1.2856	B.28	C.14
1.2858 B.30 C.14	1.2857	B.29	C.14
	1.2858	B.30	C.14

comp.	herbi-	safener
no.	cide B	C
1.2859	B.31	C.14
1.2860	B.32	C.14
1.2861	B.33	C.14
1.2862	B.34	C.14
1.2863	B.35	C.14
1.2864	B.36	C.14
1.2865	B.37	C.14
1.2866	B.38	C.14
1.2867	B.39	C.14
1.2868	B.40	C.14
1.2869	B.41	C.14
1.2870	B.42	C.14
1.2871	B.43	C.14
1.2872	B.44	C.14
1.2873	B.45	C.14
1.2874	B.46	C.14
1.2875	B.47	C.14
1.2876	B.48	C.14
1.2877	B.49	C.14
1.2878	B.50	C.14
1.2879	B.51	C.14
1.2880	B.52	C.14
1.2881	B.53	C.14
1.2882	B.54	C.14
1.2883	B.55	C.14
1.2884	B.56	C.14
1.2885	B.57	C.14
1.2886	B.58	C.14
1.2887	B.59	C.14
1.2888	B.60	C.14
1.2889	B.61	C.14
1.2890	B.62	C.14
1.2891	B.63	C.14
1.2892	B.64	C.14
1.2893	B.65	C.14
1.2894	B.66	C.14
1.2895	B.67	C.14
1.2896	B.68	C.14
1.2897	B.69	C.14
1.2898	B.70	C.14
1.2899	B.71	C.14
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comp.	herbi-	safener
no.	cide B	С
1.2900	B.72	C.14
1.2901	B.73	C.14
1.2902	B.74	C.14
1.2903	B.75	C.14
1.2904	B.76	C.14
1.2905	B.77	C.14
1.2906	B.78	C.14
1.2907	B.79	C.14
1.2908	B.80	C.14
1.2909	B.81	C.14
1.2910	B.82	C.14
1.2911	B.83	C.14
1.2912	B.84	C.14
1.2913	B.85	C.14
1.2914	B.86	C.14
1.2915	B.87	C.14
1.2916	B.88	C.14
1.2917	B.89	C.14
1.2918	B.90	C.14
1.2919	B.91	C.14
1.2920	B.92	C.14
1.2921	B.93	C.14
1.2922	B.94	C.14
1.2923	B.95	C.14
1.2924	B.96	C.14
1.2925	B.97	C.14
1.2926	B.98	C.14
1.2927	B.99	C.14
1.2928	B.100	C.14
1.2929	B.101	C.14
1.2930	B.102	C.14
1.2931	B.103	C.14
1.2932	B.104	C.14
1.2933	B.105	C.14
1.2934	B.106	C.14
1.2935	B.107	C.14
1.2936	B.108	C.14
1.2937	B.109	C.14
1.2938	B.110	C.14
1.2939	B.111	C.14
1.2940	B.112	C.14

comp.	herbi-	safener
no.	cide B	С
1.2941	B.113	C.14
1.2942	B.114	C.14
1.2943	B.115	C.14
1.2944	B.116	C.14
1.2945	B.117	C.14
1.2946	B.118	C.14
1.2947	B.119	C.14
1.2948	B.120	C.14
1.2949	B.121	C.14
1.2950	B.122	C.14
1.2951	B.123	C.14
1.2952	B.124	C.14
1.2953	B.125	C.14
1.2954	B.126	C.14
1.2955	B.127	C.14
1.2956	B.128	C.14
1.2957	B.129	C.14
1.2958	B.130	C.14
1.2959	B.131	C.14
1.2960	B.132	C.14
1.2961	B.133	C.14
1.2962	B.134	C.14
1.2963	B.135	C.14
1.2964	B.136	C.14
1.2965	B.137	C.14
1.2966	B.138	C.14
1.2967	B.139	C.14
1.2968	B.140	C.14
1.2969	B.141	C.14
1.2970	B.142	C.14
1.2971	B.143	C.14
1.2972	B.144	C.14
1.2973	B.145	C.14
1.2974	B.146	C.14
1.2975	B.147	C.14
1.2976	B.148	C.14
1.2977	B.149	C.14
1.2978	B.150	C.14
1.2979	B.151	C.14
1.2980	B.152	C.14
1.2981	B.153	C.14
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comp.	herbi-	safener
no.	cide B	С
1.2982	B.154	C.14
1.2983	B.155	C.14
1.2984	B.156	C.14
1.2985	B.157	C.14
1.2986	B.158	C.14
1.2987	B.159	C.14
1.2988	B.160	C.14
1.2989	B.161	C.14
1.2990	B.162	C.14
1.2991	B.163	C.14
1.2992	B.164	C.14
1.2993	B.165	C.14
1.2994	B.166	C.14
1.2995	B.167	C.14
1.2996	B.168	C.14
1.2997	B.169	C.14
1.2998	B.170	C.14
1.2999	B.171	C.14
1.3000	B.172	C.14
1.3001	B.173	C.14
1.3002	B.174	C.14
1.3003	B.175	C.14
1.3004	B.176	C.14
1.3005	B.177	C.14
1.3006	B.178	C.14
1.3007	B.179	C.14
1.3008	B.180	C.14
1.3009	B.181	C.14
1.3010	B.182	C.14
1.3011	B.183	C.14
1.3012	B.184	C.14
1.3013	B.185	C.14
1.3014	B.186	C.14
1.3015	B.187	C.14
1.3016	B.188	C.14
1.3017	B.189	C.14
1.3018	B.190	C.14
1.3019	B.191	C.14
1.3020	B.192	C.14
1.3021	B.193	C.14
1.3022	B.194	C.14
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comp.	herbi-	safener
no.	cide B	С
1.3023	B.195	C.14
1.3024	B.196	C.14
1.3025	B.197	C.14
1.3026	B.198	C.14
1.3027	B.199	C.14
1.3028	B.200	C.14
1.3029	B.201	C.14
1.3030	B.202	C.14
1.3031	B.1	C.15
1.3032	B.2	C.15
1.3033	B.3	C.15
1.3034	B.4	C.15
1.3035	B.5	C.15
1.3036	B.6	C.15
1.3037	B.7	C.15
1.3038	B.8	C.15
1.3039	B.9	C.15
1.3040	B.10	C.15
1.3041	B.11	C.15
1.3042	B.12	C.15
1.3043	B.13	C.15
1.3044	B.14	C.15
1.3045	B.15	C.15
1.3046	B.16	C.15
1.3047	B.17	C.15
1.3048	B.18	C.15
1.3049	B.19	C.15
1.3050	B.20	C.15
1.3051	B.21	C.15
1.3052	B.22	C.15
1.3053	B.23	C.15
1.3054	B.24	C.15
1.3055	B.25	C.15
1.3056	B.26	C.15
1.3057	B.27	C.15
1.3058	B.28	C.15
1.3059	B.29	C.15
1.3060	B.30	C.15
1.3061	B.31	C.15
1.3062	B.32	C.15
1.3063	B.33	C.15

no.cide BC1.3064B.34C.151.3065B.35C.151.3066B.36C.151.3067B.37C.151.3068B.38C.151.3069B.39C.151.3070B.40C.151.3071B.41C.151.3072B.42C.151.3073B.43C.151.3074B.44C.151.3075B.45C.151.3076B.46C.151.3077B.47C.151.3078B.48C.151.3079B.49C.151.3078B.48C.151.3079B.49C.151.3080B.50C.151.3081B.51C.151.3082B.52C.151.3084B.54C.151.3085B.55C.151.3084B.54C.151.3085B.55C.151.3086B.56C.151.3087B.57C.151.3088B.58C.151.3090B.60C.151.3091B.61C.151.3092B.62C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3094B.64C.151.3095B.65C.151.3094B.64C.151.3095B.65C.151.3094B.64C.151.3095B.65C.15 </th <th>comp.</th> <th>herbi-</th> <th>safener</th>	comp.	herbi-	safener
1.3065B.35C.151.3066B.36C.151.3067B.37C.151.3068B.38C.151.3069B.39C.151.3070B.40C.151.3071B.41C.151.3072B.42C.151.3073B.43C.151.3074B.44C.151.3075B.45C.151.3076B.46C.151.3077B.47C.151.3078B.48C.151.3079B.49C.151.3079B.49C.151.3080B.50C.151.3081B.51C.151.3082B.52C.151.3083B.53C.151.3084B.54C.151.3085B.55C.151.3086B.56C.151.3087B.57C.151.3088B.58C.151.3090B.60C.151.3091B.61C.151.3092B.62C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.66C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3091B.67C.151.3093B.68C.151.3094B.69C.151.3095B.69C.151.3096B.69C.151.3097B.67C.	no.	cide B	С
1.3066B.36C.151.3067B.37C.151.3068B.38C.151.3069B.39C.151.3070B.40C.151.3071B.41C.151.3072B.42C.151.3073B.43C.151.3074B.44C.151.3075B.45C.151.3076B.46C.151.3077B.47C.151.3078B.48C.151.3079B.49C.151.3079B.49C.151.3080B.50C.151.3081B.51C.151.3082B.52C.151.3084B.54C.151.3085B.55C.151.3086B.56C.151.3087B.57C.151.3088B.58C.151.3090B.60C.151.3091B.61C.151.3092B.62C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.66C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3091B.61C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.69C.151.3097B.67C.151.3098B.68C.151.3099B.69C.	1.3064	B.34	C.15
1.3067B.37C.151.3068B.38C.151.3070B.40C.151.3071B.41C.151.3072B.42C.151.3073B.43C.151.3074B.44C.151.3075B.45C.151.3076B.46C.151.3077B.47C.151.3078B.48C.151.3079B.49C.151.3079B.49C.151.3078B.48C.151.3079B.49C.151.3080B.50C.151.3081B.51C.151.3082B.52C.151.3083B.53C.151.3084B.54C.151.3085B.55C.151.3086B.56C.151.3087B.57C.151.3088B.58C.151.3091B.61C.151.3092B.62C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.66C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3091B.61C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.69C.151.3097B.67C.151.3098B.68C.151.3099B.69C.	1.3065	B.35	C.15
1.3068B.38C.151.3069B.39C.151.3070B.40C.151.3071B.41C.151.3072B.42C.151.3073B.43C.151.3074B.44C.151.3075B.45C.151.3076B.46C.151.3077B.47C.151.3078B.48C.151.3079B.49C.151.3079B.49C.151.3080B.50C.151.3081B.51C.151.3082B.52C.151.3083B.53C.151.3084B.54C.151.3085B.55C.151.3086B.56C.151.3087B.57C.151.3089B.59C.151.3090B.60C.151.3091B.61C.151.3092B.62C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.66C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3091B.61C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.68C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3101B.71C.	1.3066	B.36	C.15
1.3069B.39C.151.3070B.40C.151.3071B.41C.151.3072B.42C.151.3073B.43C.151.3074B.44C.151.3075B.45C.151.3076B.46C.151.3077B.47C.151.3078B.48C.151.3079B.49C.151.3079B.49C.151.3080B.50C.151.3081B.51C.151.3082B.52C.151.3083B.53C.151.3084B.54C.151.3085B.55C.151.3086B.56C.151.3087B.57C.151.3080B.59C.151.3081B.58C.151.3084B.58C.151.3085B.55C.151.3086B.56C.151.3087B.57C.151.3089B.59C.151.3091B.61C.151.3092B.62C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.68C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3101B.71C.151.3102B.72C.151.3103B.73C.15	1.3067	B.37	C.15
1.3070B.40C.151.3071B.41C.151.3072B.42C.151.3073B.43C.151.3074B.44C.151.3075B.45C.151.3076B.46C.151.3077B.47C.151.3078B.48C.151.3079B.49C.151.3079B.49C.151.3070B.50C.151.3071B.51C.151.3072B.52C.151.3080B.53C.151.3081B.51C.151.3082B.52C.151.3083B.53C.151.3084B.54C.151.3085B.55C.151.3086B.56C.151.3087B.57C.151.3088B.58C.151.3090B.60C.151.3091B.61C.151.3092B.62C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.66C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3090B.69C.151.3101B.71C.151.3102B.72C.151.3103B.73C.15	1.3068	B.38	C.15
1.3071B.41C.151.3072B.42C.151.3073B.43C.151.3074B.44C.151.3075B.45C.151.3076B.46C.151.3077B.47C.151.3078B.48C.151.3079B.49C.151.3079B.49C.151.3080B.50C.151.3081B.51C.151.3082B.52C.151.3083B.53C.151.3084B.54C.151.3085B.55C.151.3086B.56C.151.3087B.57C.151.3088B.58C.151.3090B.60C.151.3091B.61C.151.3092B.62C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.66C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3090B.69C.151.3091B.67C.151.3093B.68C.151.3094B.69C.151.3095B.69C.151.3096B.69C.151.3097B.67C.151.3101B.71C.151.3102B.72C.151.3103B.73C.15	1.3069	B.39	C.15
1.3072B.42C.151.3073B.43C.151.3074B.44C.151.3075B.45C.151.3076B.46C.151.3077B.47C.151.3078B.48C.151.3079B.49C.151.3079B.49C.151.3080B.50C.151.3081B.51C.151.3082B.52C.151.3083B.53C.151.3084B.54C.151.3085B.55C.151.3086B.56C.151.3087B.57C.151.3088B.58C.151.3089B.59C.151.3090B.60C.151.3091B.61C.151.3092B.62C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.66C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3090B.69C.151.3091B.67C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.69C.151.3097B.67C.151.3098B.68C.151.3101B.71C.151.3102B.72C.151.3103B.73C.15	1.3070	B.40	C.15
1.3073B.43C.151.3074B.44C.151.3075B.45C.151.3076B.46C.151.3077B.47C.151.3078B.48C.151.3079B.49C.151.3079B.49C.151.3080B.50C.151.3081B.51C.151.3082B.52C.151.3083B.53C.151.3084B.54C.151.3085B.55C.151.3086B.56C.151.3087B.57C.151.3088B.58C.151.3089B.59C.151.3090B.60C.151.3091B.61C.151.3092B.62C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.66C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3094B.64C.151.3095B.65C.151.3096B.68C.151.3097B.67C.151.3098B.68C.151.3100B.70C.151.3101B.71C.151.3102B.72C.151.3103B.73C.15	1.3071	B.41	C.15
1.3074B.44C.151.3075B.45C.151.3076B.46C.151.3077B.47C.151.3078B.48C.151.3079B.49C.151.3079B.49C.151.3080B.50C.151.3081B.51C.151.3082B.52C.151.3083B.53C.151.3084B.54C.151.3085B.55C.151.3086B.56C.151.3087B.57C.151.3088B.58C.151.3089B.59C.151.3090B.60C.151.3091B.61C.151.3092B.62C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.66C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3091B.70C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.68C.151.3097B.67C.151.3100B.70C.151.3101B.71C.151.3102B.72C.151.3103B.73C.15	1.3072	B.42	C.15
1.3075B.45C.151.3076B.46C.151.3077B.47C.151.3078B.48C.151.3079B.49C.151.3079B.49C.151.3080B.50C.151.3081B.51C.151.3082B.52C.151.3083B.53C.151.3084B.54C.151.3085B.55C.151.3086B.56C.151.3087B.57C.151.3088B.58C.151.3089B.59C.151.3090B.60C.151.3091B.61C.151.3092B.62C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.66C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3091B.71C.151.3093B.72C.151.3094B.72C.151.3101B.72C.151.3103B.73C.15	1.3073	B.43	C.15
1.3076B.46C.151.3077B.47C.151.3078B.48C.151.3079B.49C.151.3080B.50C.151.3081B.51C.151.3082B.52C.151.3083B.53C.151.3084B.54C.151.3085B.55C.151.3086B.56C.151.3087B.57C.151.3088B.58C.151.3089B.59C.151.3090B.60C.151.3091B.61C.151.3092B.62C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.66C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3091B.70C.151.3093B.73C.15	1.3074	B.44	C.15
1.3077B.47C.151.3078B.48C.151.3079B.49C.151.3080B.50C.151.3081B.51C.151.3082B.52C.151.3083B.53C.151.3084B.54C.151.3085B.55C.151.3086B.56C.151.3087B.57C.151.3088B.58C.151.3089B.59C.151.3090B.60C.151.3091B.61C.151.3092B.62C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.66C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3091B.70C.151.3093B.73C.151.3101B.71C.151.3103B.73C.15	1.3075	B.45	C.15
1.3078B.48C.151.3079B.49C.151.3080B.50C.151.3081B.51C.151.3082B.52C.151.3083B.53C.151.3084B.54C.151.3085B.55C.151.3086B.56C.151.3087B.57C.151.3088B.58C.151.3089B.59C.151.3090B.60C.151.3091B.61C.151.3092B.62C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.66C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3091B.70C.151.3101B.71C.151.3102B.72C.151.3103B.73C.15	1.3076	B.46	C.15
1.3079B.49C.151.3080B.50C.151.3081B.51C.151.3082B.52C.151.3083B.53C.151.3084B.54C.151.3085B.55C.151.3086B.56C.151.3087B.57C.151.3088B.58C.151.3089B.59C.151.3090B.60C.151.3091B.61C.151.3092B.62C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.66C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3091B.70C.151.3093B.73C.151.3100B.72C.151.3103B.73C.15	1.3077	B.47	C.15
1.3080B.50C.151.3081B.51C.151.3082B.52C.151.3083B.53C.151.3084B.54C.151.3085B.55C.151.3086B.56C.151.3087B.57C.151.3088B.58C.151.3089B.59C.151.3090B.60C.151.3091B.61C.151.3092B.62C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.66C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3091B.70C.151.3100B.70C.151.3102B.72C.151.3103B.73C.15	1.3078	B.48	C.15
1.3081B.51C.151.3082B.52C.151.3083B.53C.151.3084B.54C.151.3085B.55C.151.3086B.56C.151.3087B.57C.151.3088B.58C.151.3089B.59C.151.3090B.60C.151.3091B.61C.151.3092B.62C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.66C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3100B.70C.151.3101B.71C.151.3103B.73C.15	1.3079	B.49	C.15
1.3082B.52C.151.3083B.53C.151.3084B.54C.151.3085B.55C.151.3086B.56C.151.3087B.57C.151.3087B.57C.151.3087B.59C.151.3089B.59C.151.3090B.60C.151.3091B.61C.151.3092B.62C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.66C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3100B.70C.151.3101B.71C.151.3102B.72C.151.3103B.73C.15	1.3080	B.50	C.15
1.3083B.53C.151.3084B.54C.151.3085B.55C.151.3086B.56C.151.3087B.57C.151.3087B.57C.151.3088B.58C.151.3089B.59C.151.3090B.60C.151.3091B.61C.151.3092B.62C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.66C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3101B.71C.151.3102B.72C.151.3103B.73C.15	1.3081	B.51	C.15
1.3084B.54C.151.3085B.55C.151.3086B.56C.151.3087B.57C.151.3087B.57C.151.3088B.58C.151.3089B.59C.151.3090B.60C.151.3091B.61C.151.3092B.62C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.66C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3100B.70C.151.3101B.71C.151.3103B.73C.15	1.3082	B.52	C.15
1.3085B.55C.151.3086B.56C.151.3087B.57C.151.3087B.57C.151.3088B.58C.151.3089B.59C.151.3090B.60C.151.3091B.61C.151.3092B.62C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.66C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3100B.70C.151.3101B.71C.151.3102B.72C.151.3103B.73C.15	1.3083	B.53	C.15
1.3086B.56C.151.3087B.57C.151.3088B.58C.151.3089B.59C.151.3090B.60C.151.3091B.61C.151.3092B.62C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.66C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3100B.70C.151.3101B.71C.151.3103B.73C.15	1.3084	B.54	C.15
1.3087B.57C.151.3088B.58C.151.3089B.59C.151.3090B.60C.151.3091B.61C.151.3092B.62C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.66C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3100B.70C.151.3102B.72C.151.3103B.73C.15	1.3085	B.55	C.15
1.3088B.58C.151.3089B.59C.151.3090B.60C.151.3091B.61C.151.3092B.62C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.66C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3100B.70C.151.3102B.72C.151.3103B.73C.15	1.3086	B.56	C.15
1.3089B.59C.151.3090B.60C.151.3091B.61C.151.3092B.62C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.66C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3100B.70C.151.3101B.71C.151.3103B.73C.15	1.3087	B.57	C.15
1.3090B.60C.151.3091B.61C.151.3092B.62C.151.3093B.63C.151.3093B.64C.151.3094B.64C.151.3095B.65C.151.3096B.66C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3100B.70C.151.3101B.71C.151.3103B.73C.15	1.3088	B.58	C.15
1.3091B.61C.151.3092B.62C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.66C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3100B.70C.151.3102B.72C.151.3103B.73C.15	1.3089	B.59	C.15
1.3092B.62C.151.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.66C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3100B.70C.151.3101B.71C.151.3102B.72C.151.3103B.73C.15	1.3090	B.60	C.15
1.3093B.63C.151.3094B.64C.151.3095B.65C.151.3096B.66C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3100B.70C.151.3102B.72C.151.3103B.73C.15	1.3091	B.61	C.15
1.3094B.64C.151.3095B.65C.151.3096B.66C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3100B.70C.151.3101B.71C.151.3102B.72C.151.3103B.73C.15	1.3092	B.62	C.15
1.3095B.65C.151.3096B.66C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3100B.70C.151.3101B.71C.151.3102B.72C.151.3103B.73C.15	1.3093	B.63	C.15
1.3096B.66C.151.3097B.67C.151.3098B.68C.151.3099B.69C.151.3100B.70C.151.3101B.71C.151.3102B.72C.151.3103B.73C.15	1.3094	B.64	C.15
1.3097B.67C.151.3098B.68C.151.3099B.69C.151.3100B.70C.151.3101B.71C.151.3102B.72C.151.3103B.73C.15	1.3095	B.65	C.15
1.3098B.68C.151.3099B.69C.151.3100B.70C.151.3101B.71C.151.3102B.72C.151.3103B.73C.15	1.3096	B.66	C.15
1.3099B.69C.151.3100B.70C.151.3101B.71C.151.3102B.72C.151.3103B.73C.15	1.3097	B.67	C.15
1.3100B.70C.151.3101B.71C.151.3102B.72C.151.3103B.73C.15	1.3098	B.68	C.15
1.3101B.71C.151.3102B.72C.151.3103B.73C.15	1.3099	B.69	C.15
1.3102B.72C.151.3103B.73C.15	1.3100	B.70	C.15
1.3103 B.73 C.15	1.3101	B.71	C.15
	1.3102	B.72	C.15
1.3104 B 74 C 15	1.3103	B.73	C.15
	1.3104	B.74	C.15

comp.	herbi-	safener
no.	cide B	С
1.3105	B.75	C.15
1.3106	B.76	C.15
1.3107	B.77	C.15
1.3108	B.78	C.15
1.3109	B.79	C.15
1.3110	B.80	C.15
1.3111	B.81	C.15
1.3112	B.82	C.15
1.3113	B.83	C.15
1.3114	B.84	C.15
1.3115	B.85	C.15
1.3116	B.86	C.15
1.3117	B.87	C.15
1.3118	B.88	C.15
1.3119	B.89	C.15
1.3120	B.90	C.15
1.3121	B.91	C.15
1.3122	B.92	C.15
1.3123	B.93	C.15
1.3124	B.94	C.15
1.3125	B.95	C.15
1.3126	B.96	C.15
1.3127	B.97	C.15
1.3128	B.98	C.15
1.3129	B.99	C.15
1.3130	B.100	C.15
1.3131	B.101	C.15
1.3132	B.102	C.15
1.3133	B.103	C.15
1.3134	B.104	C.15
1.3135	B.105	C.15
1.3136	B.106	C.15
1.3137	B.107	C.15
1.3138	B.108	C.15
1.3139	B.109	C.15
1.3140	B.110	C.15
1.3141	B.111	C.15
1.3142	B.112	C.15
1.3143	B.113	C.15
1.3144	B.114	C.15
1.3145	B.115	C.15

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comp.	herbi-	safener
no.	cide B	С
1.3146	B.116	C.15
1.3147	B.117	C.15
1.3148	B.118	C.15
1.3149	B.119	C.15
1.3150	B.120	C.15
1.3151	B.121	C.15
1.3152	B.122	C.15
1.3153	B.123	C.15
1.3154	B.124	C.15
1.3155	B.125	C.15
1.3156	B.126	C.15
1.3157	B.127	C.15
1.3158	B.128	C.15
1.3159	B.129	C.15
1.3160	B.130	C.15
1.3161	B.131	C.15
1.3162	B.132	C.15
1.3163	B.133	C.15
1.3164	B.134	C.15
1.3165	B.135	C.15
1.3166	B.136	C.15
1.3167	B.137	C.15
1.3168	B.138	C.15
1.3169	B.139	C.15
1.3170	B.140	C.15
1.3171	B.141	C.15
1.3172	B.142	C.15
1.3173	B.143	C.15
1.3174	B.144	C.15
1.3175	B.145	C.15
1.3176	B.146	C.15
1.3177	B.147	C.15
1.3178	B.148	C.15
1.3179	B.149	C.15
1.3180	B.150	C.15
1.3181	B.151	C.15
1.3182	B.152	C.15
1.3183	B.153	C.15
1.3184	B.154	C.15
1.3185	B.155	C.15
1.3186	B.156	C.15
L		

comp.	herbi-	safener
no.	cide B	С
1.3187	B.157	C.15
1.3188	B.158	C.15
1.3189	B.159	C.15
1.3190	B.160	C.15
1.3191	B.161	C.15
1.3192	B.162	C.15
1.3193	B.163	C.15
1.3194	B.164	C.15
1.3195	B.165	C.15
1.3196	B.166	C.15
1.3197	B.167	C.15
1.3198	B.168	C.15
1.3199	B.169	C.15
1.3200	B.170	C.15
1.3201	B.171	C.15
1.3202	B.172	C.15
1.3203	B.173	C.15
1.3204	B.174	C.15
1.3205	B.175	C.15
1.3206	B.176	C.15
1.3207	B.177	C.15
1.3208	B.178	C.15
1.3209	B.179	C.15
1.3210	B.180	C.15
1.3211	B.181	C.15
1.3212	B.182	C.15
1.3213	B.183	C.15
1.3214	B.184	C.15
1.3215	B.185	C.15
1.3216	B.186	C.15
1.3217	B.187	C.15
1.3218	B.188	C.15
1.3219	B.189	C.15
1.3220	B.190	C.15
1.3221	B.191	C.15
1.3222	B.192	C.15
1.3223	B.193	C.15
1.3224	B.194	C.15
1.3225	B.195	C.15
1.3226	B.196	C.15
1.3227	B.197	C.15

comp.	herbi-	safener		
no.	cide B	С		
1.3228	B.198	C.15		
1.3229	B.199	C.15		
1.3230	B.200	C.15		
1.3231	B.201	C.15		
1.3232	B.202	C.15		
1.3233	B.1	C.16		
1.3234	B.2	C.16		
1.3235	B.3	C.16		
1.3236	B.4	C.16		
1.3237	B.5	C.16		
1.3237	B.6	C.16		
1.3230	B.7	C.16		
1.3239	В.7 В.8	C.16 C.16		
1.3240	В.8 В.9	C.16 C.16		
1.3242	B.10	C.16		
1.3243	B.11	C.16		
1.3244	B.12	C.16		
1.3245	B.13	C.16		
1.3246	B.14	C.16		
1.3247	B.15	C.16		
1.3248	B.16	C.16		
1.3249	B.17	C.16		
1.3250	B.18	C.16		
1.3251	B.19	C.16		
1.3252	B.20	C.16		
1.3253	B.21	C.16		
1.3254	B.22	C.16		
1.3255	B.23	C.16		
1.3256	B.24	C.16		
1.3257	B.25	C.16		
1.3258	B.26	C.16		
1.3259	B.27	C.16		
1.3260	B.28	C.16		
1.3261	B.29	C.16		
1.3262	B.30	C.16		
1.3263	B.31	C.16		
1.3264	B.32	C.16		
1.3265	B.33	C.16		
1.3266	B.34	C.16		
1.3267	B.35	C.16		
1.3268	B.36	C.16		

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comp.	herbi-	safener			
no.	cide B	С			
1.3269	B.37	C.16			
1.3270	B.38	C.16			
1.3271	B.39	C.16			
1.3272	B.40	C.16			
1.3273	B.41	C.16			
1.3274	B.42	C.16			
1.3275	B.43	C.16			
1.3276	B.44	C.16			
1.3277	B.45	C.16			
1.3278	B.46	C.16			
1.3279	B.47	C.16			
1.3280	B.48	C.16			
1.3281	B.49	C.16			
1.3282	B.50	C.16			
1.3283	B.51	C.16			
1.3284	B.52	C.16			
1.3285	B.53	C.16			
1.3286	B.54	C.16			
1.3287	B.55	C.16			
1.3288	B.56	C.16			
1.3289	B.57	C.16			
1.3290	B.58	C.16			
1.3291	B.59	C.16			
1.3292	B.60	C.16			
1.3293	B.61	C.16			
1.3294	B.62	C.16			
1.3295	B.63	C.16			
1.3296	B.64	C.16			
1.3297	B.65	C.16			
1.3298	B.66	C.16			
1.3299	B.67	C.16			
1.3300	B.68	C.16			
1.3301	B.69	C.16			
1.3302	B.70	C.16			
1.3303	B.71	C.16			
1.3304	B.72	C.16			
1.3305	B.73	C.16			
1.3306	B.74	C.16			
1.3307	B.75	C.16			
1.3308	B.76	C.16			
1.3309	B.77	C.16			

comp.	comp. herbi-			
no.	cide B	С		
1.3310	B.78	C.16		
1.3311	B.79	C.16		
1.3312	B.80	C.16		
1.3313	B.81	C.16		
1.3314	B.82	C.16		
1.3315	B.83	C.16		
1.3316	B.84	C.16		
1.3317	B.85	C.16		
1.3318	B.86	C.16		
1.3319	B.87	C.16		
1.3320	B.88	C.16		
1.3321	B.89	C.16		
1.3322	B.90	C.16		
1.3323	B.91	C.16		
1.3324	B.92	C.16		
1.3325	B.93	C.16		
1.3326	B.94	C.16		
1.3327	B.95	C.16		
1.3328	B.96	C.16		
1.3329	B.97	C.16		
1.3330	B.98	C.16		
1.3331	B.99	C.16		
1.3332	B.100	C.16		
1.3333	B.101	C.16		
1.3334	B.102	C.16		
1.3335	B.103	C.16		
1.3336	B.104	C.16		
1.3337	B.105	C.16		
1.3338	B.106	C.16		
1.3339	B.107	C.16		
1.3340	B.108	C.16		
1.3341	B.109	C.16		
1.3342	B.110	C.16		
1.3343	B.111	C.16		
1.3344	B.112	C.16		
1.3345	B.113	C.16		
1.3346	B.114	C.16		
1.3347	B.115	C.16		
1.3348	B.116	C.16		
1.3349	B.117	C.16		
1.3350	B.118	C.16		

comp.	herbi-	safener		
no.	cide B	С		
1.3351	B.119	C.16		
1.3352	B.120	C.16		
1.3353	B.121	C.16		
1.3354	B.122	C.16		
1.3355	B.123	C.16		
1.3356	B.124	C.16		
1.3357	B.125	C.16		
1.3358	B.126	C.16		
1.3359	B.127	C.16		
1.3360	B.128	C.16		
1.3361	B.129	C.16		
1.3362	B.130	C.16		
1.3363	B.131	C.16		
1.3364	B.132	C.16		
1.3365	B.133	C.16		
1.3366	B.134	C.16		
1.3367	B.135	C.16		
1.3368	B.136	C.16		
1.3369	B.137	C.16		
1.3370	B.138	C.16		
1.3371	B.139	C.16		
1.3372	B.140	C.16		
1.3373	B.141	C.16		
1.3374	B.142	C.16		
1.3375	B.143	C.16		
1.3376	B.144	C.16		
1.3377	B.145	C.16		
1.3378	B.146	C.16		
1.3379	B.147	C.16		
1.3380	B.148	C.16		
1.3381	B.149	C.16		
1.3382	B.150	C.16		
1.3383	B.151	C.16		
1.3384	B.152	C.16		
1.3385	B.153	C.16		
1.3386	B.154	C.16		
1.3387	B.155	C.16		
1.3388	B.156	C.16		
1.3389	B.157	C.16		
1.3390	B.158	C.16		
1.3391	B.159	C.16		

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comp.	herbi-	safener			
no.	cide B	С			
1.3392	B.160	C.16			
1.3393	B.161	C.16			
1.3394	B.162	C.16			
1.3395	B.163	C.16			
1.3396	B.164	C.16			
1.3397	B.165	C.16			
1.3398	B.166	C.16			
1.3399	B.167	C.16			
1.3400	B.168	C.16			
1.3401	B.169	C.16			
1.3402	B.170	C.16			
1.3403	B.171	C.16			
1.3404	B.172	C.16			
1.3405	B.173	C.16			
1.3406	B.174	C.16			
1.3407	B.175	C.16			
1.3408	B.176	C.16			
1.3409	B.177	C.16			
1.3410	B.178	C.16			
1.3411	B.179	C.16			
1.3412	B.180	C.16			
1.3413	B.181	C.16			
1.3414	B.182	C.16			
1.3415	B.183	C.16			
1.3416	B.184	C.16			
1.3417	B.185	C.16			
1.3418	B.186	C.16			
1.3419	B.187	C.16			
1.3420	B.188	C.16			
1.3421	B.189	C.16			
1.3422	B.190	C.16			
1.3423	B.191	C.16			
1.3424	B.192	C.16			
1.3425	B.193	C.16			
1.3426	B.194	C.16			
1.3427	B.195	C.16			
1.3428	B.196	C.16			
1.3429	B.197	C.16			
1.3430	B.198	C.16			
1.3431	B.199	C.16			
1.3432	B.200	C.16			
	1	1			

comp.	herbi-	safener
no.	cide B	С
1.3433	B.201	C.16
1.3434	B.202	C.16
1.3435	B.1	C.17
1.3436	B.2	C.17
1.3437	B.3	C.17
1.3438	B.4	C.17
1.3439	B.5	C.17
1.3440	B.6	C.17
1.3441	B.7	C.17
1.3442	B.8	C.17
1.3443	B.9	C.17
1.3444	B.10	C.17
1.3445	B.11	C.17
1.3446	B.12	C.17
1.3447	B.13	C.17
1.3448	B.14	C.17
1.3449	B.15	C.17
1.3450	B.16	C.17
1.3451	B.17	C.17
1.3452	B.18	C.17
1.3453	B.19	C.17
1.3454	B.20	C.17
1.3455	B.21	C.17
1.3456	B.22	C.17
1.3457	B.23	C.17
1.3458	B.24	C.17
1.3459	B.25	C.17
1.3460	B.26	C.17
1.3461	B.27	C.17
1.3462	B.28	C.17
1.3463	B.29	C.17
1.3464	B.30	C.17
1.3465	B.31	C.17
1.3466	B.32	C.17
1.3467	B.33	C.17
1.3468	B.34	C.17
1.3469	B.35 C.17	
1.3470	B.36 C.17	
1.3471	B.37 C.17	
1.3472	B.38	C.17
1.3473	B.39	C.17

comp.	herbi-	safener
no.	cide B	С
1.3474	B.40	C.17
1.3475	B.41	C.17
1.3476	B.42	C.17
1.3477	B.43	C.17
1.3478	B.44	C.17
1.3479	B.45	C.17
1.3480	B.46	C.17
1.3481	B.47	C.17
1.3482	B.48	C.17
1.3483	B.49	C.17
1.3484	B.50	C.17
1.3485	B.51	C.17
1.3486	B.52	C.17
1.3487	B.53	C.17
1.3488	B.54	C.17
1.3489	B.55	C.17
1.3490	B.56	C.17
1.3491	B.57	C.17
1.3492	B.58	C.17
1.3493	B.59	C.17
1.3494	B.60	C.17
1.3495	B.61	C.17
1.3496	B.62	C.17
1.3497	B.63	C.17
1.3498	B.64	C.17
1.3499	B.65	C.17
1.3500	B.66	C.17
1.3501	B.67	C.17
1.3502	B.68	C.17
1.3503	B.69	C.17
1.3504	B.70	C.17
1.3505	B.71	C.17
1.3506	B.72	C.17
1.3507	B.73	C.17
1.3508	B.74	C.17
1.3509	B.75	C.17
1.3510	B.76	C.17
1.3511	B.77	C.17
1.3512	B.78	C.17
1.3513	B.79	C.17
1.3514	B.80	C.17

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comp.	herbi-	safener				
no.	cide B	C				
1.3515	B.81	C.17				
1.3516	B.82	C.17				
1.3517	B.83	C.17				
1.3518	B.84	C.17				
1.3519	B.85	C.17				
1.3520	B.86	C.17				
1.3521	B.87	C.17				
1.3522	B.88	C.17				
1.3523	B.89	C.17				
1.3524	B.90	C.17				
1.3525	B.91	C.17				
1.3526	B.92	C.17				
1.3527	B.93	C.17				
1.3528	B.94	C.17				
1.3529	B.95	C.17				
1.3530	B.96	C.17				
1.3531	B.97	C.17				
1.3532	B.98	C.17				
1.3533	B.99	C.17				
1.3534	B.100	C.17				
1.3535	B.101	C.17				
1.3536	B.102	C.17				
1.3537	B.103	C.17				
1.3538	B.104	C.17				
1.3539	B.105	C.17				
1.3540	B.106	C.17				
1.3541	B.107	C.17				
1.3542	B.108	C.17				
1.3543	B.109	C.17				
1.3544	B.110	C.17				
1.3545	B.111	C.17				
1.3546	B.112	C.17				
1.3547	B.113	C.17				
1.3548	B.114	C.17				
1.3549	B.115	C.17				
1.3550	B.116	C.17				
1.3551	B.117	C.17				
1.3552	B.118	C.17				
1.3553	B.119	C.17				
1.3554	B.120	C.17				
1.3555	B.121	C.17				

comp. no. 1.3556 1.3557 1.3558 1.3559 1.3560 1.3561 1.3562 1.3563 1.3564 1.3565 1.3566 1.3567 1.3568 1.3569 1.3570 1.3571 1.3572 1.3573 1.3574 1.3575 1.3576 1.3577 1.3578 1.3579 1.3580 1.3581 1.3582 1.3583 1.3584 1.3585 1.3586

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	herbi-	safener		comp.	herbi-	safener	con
	cide B	С		no.	cide B	C	no.
	B.122	C.17		1.3589	B.155	C.17	1.3
	B.123	C.17		1.3590	B.156	C.17	1.3
	B.124	C.17		1.3591	B.157	C.17	1.3
	B.125	C.17		1.3592	B.158	C.17	1.3
	B.126	C.17		1.3593	B.159	C.17	1.3
	B.127	C.17		1.3594	B.160	C.17	1.3
	B.128	C.17		1.3595	B.161	C.17	1.3
	B.129	C.17		1.3596	B.162	C.17	1.3
	B.130	C.17		1.3597	B.163	C.17	1.3
	B.131	C.17		1.3598	B.164	C.17	1.3
	B.132	C.17		1.3599	B.165	C.17	1.3
	B.133	C.17		1.3600	B.166	C.17	1.3
	B.134	C.17		1.3601	B.167	C.17	1.3
	B.135	C.17		1.3602	B.168	C.17	1.3
	B.136	C.17		1.3603	B.169	C.17	1.3
	B.137	C.17		1.3604	B.170	C.17	1.3
	B.138	C.17		1.3605	B.171	C.17	1.3
	B.139	C.17		1.3606	B.172	C.17	1.3
	B.140	C.17		1.3607	B.173	C.17	1.3
	B.141	C.17		1.3608	B.174	C.17	1.3
	B.142	C.17		1.3609	B.175	C.17	1.3
	B.143	C.17		1.3610	B.176	C.17	1.3
	B.144	C.17		1.3611	B.177	C.17	1.3
	B.145	C.17		1.3612	B.178	C.17	1.3
	B.146	C.17		1.3613	B.179	C.17	1.3
	B.147	C.17		1.3614	B.180	C.17	1.3
	B.148	C.17		1.3615	B.181	C.17	1.3
	B.149	C.17		1.3616	B.182	C.17	1.3
	B.150	C.17		1.3617	B.183	C.17	1.3
	B.151	C.17		1.3618	B.184	C.17	1.3
	1		1		1		

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rt	PC1/EF201//00/285				
comp.	herbi-	safener			
no.	cide B	С			
1.3622	B.188	C.17			
1.3623	B.189	C.17			
1.3624	B.190	C.17			
1.3625	B.191	C.17			
1.3626	B.192	C.17			
1.3627	B.193	C.17			
1.3628	B.194	C.17			
1.3629	B.195	C.17			
1.3630	B.196	C.17			
1.3631	B.197	C.17			
1.3632	B.198	C.17			
1.3633	B.199	C.17			
1.3634	B.200	C.17			
1.3635	B.201	C.17			
1.3636	B.202	C.17			
1.3637		C.1			
1.3638		C.2			
1.3639		C.3			
1.3640		C.4			
1.3641		C.5			
1.3642		C.6			
1.3643		C.7			
1.3644		C.8			
1.3645		C.9			
1.3646		C.10			
1.3647		C.11			
1.3648		C.12			
1.3649		C.13			
1.3650		C.14			
1.3651		C.15			
1.3652		C.16			
1.3653		C.17			
	*	-			

The specific number for each single composition is deductible as follows: Composition 1.203 e.g. comprises the compound (1.1.I-25), clethodim (B.1) and benoxacor

1.3619

1.3620

1.3621

(C.1) (see table B, entry B.1 and table C, entry C.1).

C.17

C.17

C.17

B.152

B.153

B.154

1.3587

1.3588

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Also especially preferred are compositions 2.1 to 2.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they comprise the active compound (1.15.I-197) in place of the compound (1.1.I-3).

B.185

B.186

B.187

C.17

C.17

C.17

Also especially preferred are compositions 3.1 to 3.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they comprise the active compound (1.15.I-198) in place of the compound (1.1.I-3).

Also especially preferred are compositions 4.1 to 4.3653 which differ from the corresponding

5 compositions 1.1 to 1.3653 only in that they comprise the active compound (1.16.I-197) in place of the compound (1.1.I-3).

Also especially preferred are compositions 5.1 to 5.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they comprise the active compound (1.16.I-198) in place of the compound (1.1.I-3).

10 Also especially preferred are compositions 6.1 to 6.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they comprise the active compound (1.35.I-197) in place of the compound (1.1.I-3).

Also especially preferred are compositions 7.1 to 7.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.2 as further herbicide B.

- Also especially preferred are compositions 8.1 to 8.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.8 as further herbicide B. Also especially preferred are compositions 9.1 to 9.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.30 as further herbicide B. Also especially preferred are compositions 10.1 to 10.3653 which differ from the correspond-
- ing compositions 1.1 to 1.3653 only in that they additionally comprise B.32 as further herbicideB.

Also especially preferred are compositions 11.1 to 11.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.35 as further herbicide B.

Also especially preferred are compositions 12.1 to 12.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.38 as further herbicide B.

Also especially preferred are compositions 13.1 to 13.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.40 as further herbicide B.

Also especially preferred are compositions 14.1 to 14.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.51 as further herbicide B.

Also especially preferred are compositions 15.1 to 15.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.55 as further herbicide B.

Also especially preferred are compositions 16.1 to 16.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.56 as further herbicide B.

40 Also especially preferred are compositions 17.1 to 17.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.64 as further herbicide B.

Also especially preferred are compositions 18.1 to 18.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.66 as further herbicide Β.

Also especially preferred are compositions 19.1 to 19.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.67 as further herbicide B.

5 Also especially preferred are compositions 20.1 to 20.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.68 as further herbicide B.

Also especially preferred are compositions 21.1 to 21.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.69 as further herbicide

10 B.

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Also especially preferred are compositions 22.1 to 22.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.73 as further herbicide B.

Also especially preferred are compositions 23.1 to 23.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.76 as further herbicide B.

Also especially preferred are compositions 24.1 to 24.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.81 as further herbicide B.

Also especially preferred are compositions 25.1 to 25.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.82 as further herbicide B.

Also especially preferred are compositions 26.1 to 26.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.85 as further herbicide

25 B.

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Also especially preferred are compositions 27.1 to 27.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.88 as further herbicide B.

Also especially preferred are compositions 28.1 to 28.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.89 as further herbicide B.

Also especially preferred are compositions 29.1 to 29.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.94 as further herbicide B.

Also especially preferred are compositions 30.1 to 30.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.95 as further herbicide B.

Also especially preferred are compositions 31.1 to 31.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.98 as further herbicide B.

Also especially preferred are compositions 32.1 to 32.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.100 as further herbicide B. Also especially preferred are compositions 33.1 to 33.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.103 as further herbicide B.

Also especially preferred are compositions 34.1 to 34.3653 which differ from the correspond-

5 ing compositions 1.1 to 1.3653 only in that they additionally comprise B.103 and B.67 as further herbicides B.

Also especially preferred are compositions 35.1 to 35.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.103 and B.76 as further herbicides B.

10 Also especially preferred are compositions 36.1 to 36.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.103 and B.82 as further herbicides B.

Also especially preferred are compositions 37.1 to 37.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.104 as further herbicide

15 B.

Also especially preferred are compositions 38.1 to 38.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.104 and B.67 as further herbicides B.

Also especially preferred are compositions 39.1 to 39.3653 which differ from the correspond-

20 ing compositions 1.1 to 1.3653 only in that they additionally comprise B.104 and B.76 as further herbicides B.

Also especially preferred are compositions 40.1 to 40.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.104 and B.82 as further herbicides B.

Also especially preferred are compositions 41.1 to 41.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.106 as further herbicide B.

Also especially preferred are compositions 42.1 to 42.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.107 as further herbicide

30 B.

Also especially preferred are compositions 43.1 to 43.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B. 107 and B.67 as further herbicides B.

Also especially preferred are compositions 44.1 to 44.3653 which differ from the correspond-

ing compositions 1.1 to 1.3653 only in that they additionally comprise B. 107 and B.76 as further herbicides B.

Also especially preferred are compositions 45.1 to 45.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B. 107 and B.82 as further herbicides B.

40 Also especially preferred are compositions 46.1 to 46.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.109 as further herbicide B.

Also especially preferred are compositions 47.1 to 47.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.111 as further herbicide Β.

Also especially preferred are compositions 48.1 to 48.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.111 and B.67 as further herbicides B.

5 Also especially preferred are compositions 49.1 to 49.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.111 and B.76 as further herbicides B.

Also especially preferred are compositions 50.1 to 50.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.111 and B.82 as further

10 herbicides B.

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Also especially preferred are compositions 51.1 to 51.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B. 116 as further herbicide B.

Also especially preferred are compositions 52.1 to 52.3653 which differ from the correspond-

ing compositions 1.1 to 1.3653 only in that they additionally comprise B.116 and B.67 as further herbicides B.

Also especially preferred are compositions 53.1 to 53.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.116 and B.94 as further herbicides B.

20 Also especially preferred are compositions 54.1 to 54.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.116 and B.103 as further herbicides B.

Also especially preferred are compositions 55.1 to 55.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.116 and B.128 as fur-

ther herbicides B.

Also especially preferred are compositions 56.1 to 56.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.116 and B.104 as further herbicides B.

Also especially preferred are compositions 57.1 to 57.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.116 and B.107 as further herbicides B.

Also especially preferred are compositions 58.1 to 58.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.116 and B.111 as further herbicides B.

Also especially preferred are compositions 59.1 to 59.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.122 as further herbicide B.

Also especially preferred are compositions 60.1 to 60.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.126 as further herbicide B.

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Also especially preferred are compositions 61.1 to 61.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.128 as further herbicide B.

Also especially preferred are compositions 62.1 to 62.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.131 as further herbicide B.

Also especially preferred are compositions 63.1 to 63.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.132 as further herbicide B.

Also especially preferred are compositions 64.1 to 64.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.133 as further herbicide B.

10 Also especially preferred are compositions 65.1 to 65.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.135 as further herbicide B.

Also especially preferred are compositions 66.1 to 66.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.137 as further herbicide

15 B.

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Also especially preferred are compositions 67.1 to 67.3653 which differ from the corresponding compositions 11.1 to 1.3653 only in that they additionally comprise B.138 as further herbicide B.

Also especially preferred are compositions 68.1 to 68.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.140 as further herbicide

В.

Also especially preferred are compositions 69.1 to 69.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.145 as further herbicide B.

Also especially preferred are compositions 70.1 to 70.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.153 as further herbicide B.

Also especially preferred are compositions 71.1 to 71.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.156 as further herbicide

30 B.

Also especially preferred are compositions 72.1 to 72.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.171 as further herbicide B.

Also especially preferred are compositions 73.1 to 73.3653 which differ from the corresponding compositions 1.1 to 1.3653 only in that they additionally comprise B.174 as further herbicide B.

The invention also relates to agrochemical compositions comprising at least an auxiliary and at least one pyrimidine compound of formula (I) according to the invention.

An agrochemical composition comprises a pesticidal effective amount of a pyrimidine compound of formula (I). The term "effective amount" denotes an amount of the composition or of the compounds I, which is sufficient for controlling unwanted plants, especially for controlling unwanted plants in cultivated plants and which does not result in a substantial damage to the treated plants. Such an amount can vary in a broad range and is dependent on various factors, such as the plants to be controlled, the treated cultivated plant or material, the climatic conditions and the specific pyrimidine compound of formula (I) used.

The pyrimidine compounds of formula (I), their N-oxides, salts or derivatives can be converted into customary types of agrochemical compositions, e. g. solutions, emulsions, suspensions,

- 5 dusts, powders, pastes, granules, pressings, capsules, and mixtures thereof. Examples for agrochemical composition types are suspensions (e.g. SC, OD, FS), emulsifiable concentrates (e.g. EC), emulsions (e.g. EW, EO, ES, ME), capsules (e.g. CS, ZC), pastes, pastilles, wettable powders or dusts (e.g. WP, SP, WS, DP, DS), pressings (e.g. BR, TB, DT), granules (e.g. WG, SG, GR, FG, GG, MG), insecticidal articles (e.g. LN), as well as gel formulations for the treat-
- 10 ment of plant propagation materials such as seeds (e.g. GF). These and further agrochemical compositions types are defined in the "Catalogue of pesticide formulation types and international coding system", Technical Monograph No. 2, 6th Ed. May 2008, CropLife International. The agrochemical compositions are prepared in a known manner, such as described by Mollet and Grubemann, Formulation technology, Wiley VCH, Weinheim, 2001; or Knowles, New devel-
- 15 opments in crop protection product formulation, Agrow Reports DS243, T&F Informa, London, 2005.

Suitable auxiliaries are solvents, liquid carriers, solid carriers or fillers, surfactants, dispersants, emulsifiers, wetters, adjuvants, solubilizers, penetration enhancers, protective colloids, adhesion agents, thickeners, humectants, repellents, attractants, feeding stimulants, compatibil-

- 20 izers, bactericides, anti-freezing agents, anti-foaming agents, colorants, tackifiers and binders. Suitable solvents and liquid carriers are water and organic solvents, such as mineral oil fractions of medium to high boiling point, e.g. kerosene, diesel oil; oils of vegetable or animal origin; aliphatic, cyclic, and aromatic hydrocarbons, e. g. toluene, paraffin, tetrahydronaphthalene, alkylated naphthalenes; alcohols, e.g. ethanol, propanol, butanol, benzylalcohol, cyclohexanol;
- 25 glycols; DMSO; ketones, e.g. cyclohexanone; esters, e.g. lactates, carbonates, fatty acid esters, gamma-butyrolactone; fatty acids; phosphonates; amines; amides, e.g. N-methylpyrrolidone, fatty acid dimethylamides; and mixtures thereof.

Suitable solid carriers or fillers are mineral earths, e.g. silicates, silica gels, talc, kaolins, limestone, lime, chalk, clays, dolomite, diatomaceous earth, bentonite, calcium sulfate, magnesium

- 30 sulfate, magnesium oxide; polysaccharides, e.g. cellulose, starch; fertilizers, e.g. ammonium sulfate, ammonium phosphate, ammonium nitrate, ureas; products of vegetable origin, e.g. cereal meal, tree bark meal, wood meal, nutshell meal, and mixtures thereof. Suitable surfactants are surface-active compounds, such as anionic, cationic, non-ionic, and
- amphoteric surfactants, block polymers, polyelectrolytes, and mixtures thereof. Such surfactants
 can be used as emulsifier, dispersant, solubilizer, wetter, penetration enhancer, protective colloid, or adjuvant. Examples of surfactants are listed in McCutcheon's, Vol.1: Emulsifiers & Detergents, McCutcheon's Directories, Glen Rock, USA, 2008 (International Ed. or North American Ed.).

Suitable anionic surfactants are alkali, alkaline earth or ammonium salts of sulfonates, sulfates, phosphates, carboxylates, and mixtures thereof. Examples of sulfonates are alkylarylsulfonates, diphenylsulfonates, alpha-olefin sulfonates, lignine sulfonates, sulfonates of fatty acids and oils, sulfonates of ethoxylated alkylphenols, sulfonates of alkoxylated arylphenols, sulfonates of condensed naphthalenes, sulfonates of dodecyl- and tridecylbenzenes, sulfonates of

naphthalenes and alkylnaphthalenes, sulfosuccinates or sulfosuccinamates. Examples of sulfates are sulfates of fatty acids and oils, of ethoxylated alkylphenols, of alcohols, of ethoxylated alcohols, or of fatty acid esters. Examples of phosphates are phosphate esters. Examples of carboxylates are alkyl carboxylates, and carboxylated alcohol or alkylphenol ethoxylates.

- 5 Suitable nonionic surfactants are alkoxylates, N-substituted fatty acid amides, amine oxides, esters, sugar-based surfactants, polymeric surfactants, and mixtures thereof. Examples of alkoxylates are compounds such as alcohols, alkylphenols, amines, amides, arylphenols, fatty acids, or fatty acid esters which have been alkoxylated with 1 to 50 equivalents. Ethylene oxide and/or propylene oxide may be employed for the alkoxylation, preferably ethylene oxide. Exam-
- 10 ples of N-substituted fatty acid amides are fatty acid glucamides or fatty acid alkanolamides. Examples of esters are fatty acid esters, glycerol esters, or monoglycerides. Examples of sugarbased surfactants are sorbitans, ethoxylated sorbitans, sucrose, and glucose esters, or alkylpoly-glucosides. Examples of polymeric surfactants are home- or copolymers of vinylpyrrolidone, vinylalcohols, or vinylacetate.
- 15 Suitable cationic surfactants are quaternary surfactants, e.g. quaternary ammonium compounds with one or two hydrophobic groups, or salts of long-chain primary amines. Suitable amphoteric surfactants are alkylbetains and imidazolines. Suitable block polymers are block polymers of the A-B or A-B-A type comprising blocks of polyethylene oxide and polypropylene oxide, or of the A-B-C type comprising alkanol, polyethylene oxide and polypropylene oxide. Suitable
- 20 polyelectrolytes are polyacids or polybases. Examples of polyacids are alkali salts of polyacrylic acid or polyacid comb polymers. Examples of polybases are polyvinylamines or polyeth-yleneamines.

Suitable adjuvants are compounds, which have a neglectable or even no pesticidal activity themselves, and which improve the biological performance of the pyrimidine compounds of for-

25 mula (I) on the target. Examples are surfactants, mineral or vegetable oils, and other auxiliaries. Further examples are listed by Knowles, Adjuvants, and additives, Agrow Reports DS256, T&F Informa UK, 2006, chapter 5.

Suitable thickeners are polysaccharides (e.g. xanthan gum, carboxymethylcellulose), inorganic clays (organically modified or unmodified), polycarboxylates, and silicates.

30 Suitable bactericides are bronopol and isothiazolinone derivatives such as alkylisothiazolinones and benzisothiazolinones.

Suitable anti-freezing agents are ethylene glycol, propylene glycol, urea, and glycerin. Suitable anti-foaming agents are silicones, long chain alcohols, and salts of fatty acids. Suitable colorants (e.g. in red, blue, or green) are pigments of low water solubility and water-

35 soluble dyes. Examples are inorganic colorants (e.g. iron oxide, titan oxide, iron hexacyanoferrate) and organic colorants (e.g. alizarin-, azo-, and phthalocyanine colorants). Suitable tackifiers or binders are polyvinylpyrrolidons, polyvinylacetates, polyvinyl alcohols, polyacrylates, biological or synthetic waxes, and cellulose ethers.

Examples for agrochemical composition types and their preparation are:

40 i) Water-soluble concentrates (SL, LS)

10-60 wt% of a pyrimidine compound of formula (I) according to the invention and 5-15 wt% wetting agent (e.g. alcohol alkoxylates) are dissolved in water and/or in a water-soluble solvent (e.g. alcohols) ad 100 wt%. The active substance dissolves upon dilution with water.

ii) Dispersible concentrates (DC)

5-25 wt% of a pyrimidine compound of formula (I) according to the invention and 1-10 wt% dispersant (e. g. polyvinylpyrrolidone) are dissolved in organic solvent (e.g. cyclohexanone) ad 100 wt%. Dilution with water gives a dispersion.

iii) Emulsifiable concentrates (EC)

5 15-70 wt% of a pyrimidine compound of formula (I) according to the invention and 5-10 wt% emulsifiers (e.g. calcium dodecylbenzenesulfonate and castor oil ethoxylate) are dissolved in water-insoluble organic solvent (e.g. aromatic hydrocarbon) ad 100 wt%. Dilution with water gives an emulsion.

iv) Emulsions (EW, EO, ES)

- 5-40 wt% of a pyrimidine compound of formula (I) according to the invention and 1-10 wt% emulsifiers (e.g. calcium dodecylbenzenesulfonate and castor oil ethoxylate) are dissolved in 20-40 wt% water-insoluble organic solvent (e.g. aromatic hydrocarbon). This mixture is introduced into water ad 100 wt% by means of an emulsifying machine and made into a homogeneous emulsion. Dilution with water gives an emulsion.
- 15 v) Suspensions (SC, OD, FS)

In an agitated ball mill, 20-60 wt% of a pyrimidine compound of formula (I) according to the invention are comminuted with addition of 2-10 wt% dispersants and wetting agents (e.g. sodium lignosulfonate and alcohol ethoxylate), 0,1-2 wt% thickener (e.g. xanthan gum) and water ad 100 wt% to give a fine active substance suspension. Dilution with water gives a stable suspen-

sion of the active substance. For FS type composition up to 40 wt% binder (e.g. polyvinylalcohol) is added.

vi) Water-dispersible granules and water-soluble granules (WG, SG)

50-80 wt% of a pyrimidine compound of formula (I) according to the invention are ground finely with addition of dispersants and wetting agents (e.g. sodium lignosulfonate and alcohol ethox-

25 ylate) ad 100 wt% and prepared as water-dispersible or water-soluble granules by means of technical appliances (e. g. extrusion, spray tower, fluidized bed). Dilution with water gives a stable dispersion or solution of the active substance.

vii) Water-dispersible powders and water-soluble powders (WP, SP, WS)

50-80 wt% of a pyrimidine compound of formula (I) according to the invention are ground in a rotor-stator mill with addition of 1-5 wt% dispersants (e.g. sodium lignosulfonate), 1-3 wt% wetting agents (e.g. alcohol ethoxylate) and solid carrier (e.g. silica gel) ad 100 wt%. Dilution with water gives a stable dispersion or solution of the active substance.

viii) Gel (GW, GF)

In an agitated ball mill, 5-25 wt% of a pyrimidine compound of formula (I) according to the invention are comminuted with addition of 3-10 wt% dispersants (e.g. sodium lignosulfonate), 1-5 wt% thickener (e.g. carboxymethylcellulose) and water ad 100 wt% to give a fine suspension of the active substance. Dilution with water gives a stable suspension of the active substance. iv) Microemulsion (ME)

5-20 wt% of a pyrimidine compound of formula (I) according to the invention are added to 5-30
wt% organic solvent blend (e.g. fatty acid dimethylamide and cyclohexanone), 10-25 wt% surfactant blend (e.g. alcohol ethoxylate and arylphenol ethoxylate), and water ad 100 %. This mixture is stirred for 1 h to produce spontaneously a thermodynamically stable microemulsion.
iv) Microcapsules (CS)

An oil phase comprising 5-50 wt% of a pyrimidine compound of formula (I) according to the invention, 0-40 wt% water insoluble organic solvent (e.g. aromatic hydrocarbon), 2-15 wt% acrylic monomers (e.g. methylmethacrylate, methacrylic acid, and a di- or triacrylate) are dispersed into an aqueous solution of a protective colloid (e.g. polyvinyl alcohol). Radical polymerization initi-

- 5 ated by a radical initiator results in the formation of poly(meth)acrylate microcapsules. Alternatively, an oil phase comprising 5-50 wt% of a pyrimidine compound of formula (I) according to the invention, 0-40 wt% water insoluble organic solvent (e.g. aromatic hydrocarbon), and an isocyanate monomer (e.g. diphenylmethene-4,4'-diisocyanate) are dispersed into an aqueous solution of a protective colloid (e.g. polyvinyl alcohol). The addition of a polyamine (e.g. hexameth-
- 10 ylenediamine) results in the formation of polyurea microcapsules. The monomers amount to 1-10 wt%. The wt% relate to the total CS composition.

ix) Dustable powders (DP, DS)

1-10 wt% of a pyrimidine compound of formula (I) according to the invention are ground finely and mixed intimately with solid carrier (e.g. finely divided kaolin) ad 100 wt%.

15 x) Granules (GR, FG)

0.5-30 wt% of a pyrimidine compound of formula (I) according to the invention is ground finely and associated with solid carrier (e.g. silicate) ad 100 wt%. Granulation is achieved by extrusion, spray-drying or the fluidized bed.

xi) Ultra-low volume liquids (UL)

20

1-50 wt% of a pyrimidine compound of formula (I) according to the invention are dissolved in organic solvent (e.g. aromatic hydrocarbon) ad 100 wt%.

The agrochemical compositions types i) to xi) may optionally comprise further auxiliaries, such as 0,1-1 wt% bactericides, 5-15 wt% anti-freezing agents, 0,1-1 wt% anti-foaming agents, and 0,1-1 wt% colorants.

- The agrochemical compositions comprising generally comprise between 0.01 and 95%, preferably between 0.1 and 90%, and in particular between 0.5 and 75%, by weight of the pyrimidine compound of formula (I). The pyrimidine compounds of formula (I) are employed in a purity of from 90% to 100%, preferably from 95% to 100% (according to NMR spectrum). Solutions for seed treatment (LS), suspoemulsions (SE), flowable concentrates (FS), powders
- for dry treatment (DS), water-dispersible powders for slurry treatment (WS), water-soluble powders (SS), emulsions (ES), emulsifiable concentrates (EC) and gels (GF) are usually employed for the purposes of treatment of plant propagation materials, particularly seeds. The agrochemical compositions in question give, after two-to-tenfold dilution, active substance concentrations of from 0.01 to 60% by weight, preferably from 0.1 to 40% by weight, in the ready-to-use prepa-
- 35 rations. Application can be carried out before or during sowing. Methods for applying pyrimidine compounds of formula (I) and agrochemical compositions thereof, on to plant propagation material, especially seeds, include dressing, coating, pelleting, dusting, soaking and in-furrow application methods of the propagation material. Preferably, pyrimidine compounds of formula (I) and agrochemical compositions thereof, are applied on to the
- 40 plant propagation material by a method such that germination is not induced, e. g. by seed dressing, pelleting, coating and dusting.

Various types of oils, wetters, adjuvants, fertilizer, or micronutrients, and further pesticides (e.g. herbicides, insecticides, fungicides, growth regulators, safeners) may be added to the py-

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rimidine compounds of formula (I) and the agrochemical compositions comprising them as premix or, if appropriate not until immediately prior to use (tank mix). These agents can be admixed with the agrochemical compositions according to the invention in a weight ratio of 1:100 to 100:1, preferably 1:10 to 10:1.

5 The user applies the pyrimidine compound of formula (I) according to the invention and the agrochemical compositions comprising them usually from a pre-dosage device, a knapsack sprayer, a spray tank, a spray plane, or an irrigation system. Usually, the agrochemical composition is made up with water, buffer, and/or further auxiliaries to the desired application concentration and the ready-to-use spray liquor or the agrochemical composition according to the in-

10 vention is thus obtained. Usually, 20 to 2000 liters, preferably 50 to 400 liters, of the ready-touse spray liquor are applied per hectare of agricultural useful area.

According to one embodiment, either individual components of the agrochemical composition according to the invention or partially premixed components, e. g. components comprising pyrimidine compounds of formula (I) may be mixed by the user in a spray tank and further auxiliaries and additives may be added, if appropriate.

In a further embodiment, individual components of the agrochemical composition according to the invention such as parts of a kit or parts of a binary or ternary mixture may be mixed by the user himself in a spray tank and further auxiliaries may be added, if appropriate.

In a further embodiment, either individual components of the agrochemical composition ac cording to the invention or partially premixed components, e. g components comprising pyrimi dine compounds of formula (I) can be applied jointly (e.g. after tank mix) or consecutively.
 The pyrimidine compounds of formula (I), are suitable as herbicides. They are suitable as such or as an appropriately formulated composition (agrochemical composition).

The pyrimidine compounds of formula (I), or the agrochemical compositions comprising the pyrimidine compounds of formula (I), control vegetation on non-crop areas very efficiently, especially at high rates of application. They act against broad-leaved weeds and grass weeds in crops such as wheat, rice, maize, soya, and cotton without causing any significant damage to the crop plants. This effect is mainly observed at low rates of application.

The pyrimidine compounds of formula (I), or the agrochemical compositions comprising them, are applied to the plants mainly by spraying the leaves. Here, the application can be carried out using, e.g., water as carrier by customary spraying techniques using spray liquor amounts of from about 100 to 1000 I/ha (e.g. from 300 to 400 I/ha). The pyrimidine compounds of formula (I), or the agrochemical compositions comprising them, may also be applied by the low-volume or the ultra-low-volume method, or in the form of micro granules.

35 Application of the pyrimidine compounds of formula (I), or the agrochemical compositions comprising them, can be done before, during, and/or after, preferably during and/or after, the emergence of the undesirable plants.

The pyrimidine compounds of formula (I), or the agrochemical compositions comprising them, can be applied pre-, post-emergence or pre-plant, or together with the seed of a crop plant. It is also possible to apply the pyrimidine compounds of formula (I), or the agrochemical compositions comprising them, by applying seed, pretreated with the pyrimidine compounds of formula (I), or the agrochemical compositions comprising them, of a crop plant. If the active ingredients are less well tolerated by certain crop plants, application techniques may be used in which the herbicidal compositions are sprayed, with the aid of the spraying equipment, in such a way that

as far as possible they do not come into contact with the leaves of the sensitive crop plants, while the active ingredients reach the leaves of undesirable plants growing underneath, or the bare soil surface (post-directed, lay-by).

In a further embodiment, the pyrimidine compounds of formula (I), or the agrochemical compositions comprising them, can be applied by treating seed. The treatment of seeds comprises essentially all procedures familiar to the person skilled in the art (seed dressing, seed coating, seed dusting, seed soaking, seed film coating, seed multilayer coating, seed encrusting, seed dripping and seed pelleting) based on the pyrimidine compounds of formula (I), or the agrochemical compositions prepared therefrom. Here, the herbicidal compositions can be

10 applied diluted or undiluted.

35

The term "seed" comprises seed of all types, such as, e.g., corns, seeds, fruits, tubers, seedlings and similar forms. Here, preferably, the term seed describes corns and seeds. The seed used can be seed of the useful plants mentioned above, but also the seed of transgenic plants or plants obtained by customary breeding methods.

15 When employed in plant protection, the amounts of active substances applied, i.e. the pyrimidine compounds of formula (I) without formulation auxiliaries, are, depending on the kind of effect desired, from 0.001 to 2 kg per ha, preferably from 0.005 to 2 kg per ha, more preferably from 0.05 to 0.9 kg per ha and in particular from 0.1 to 0.75 kg per ha.

In another embodiment of the invention, the application rate of the pyrimidine compounds of formula (I) is from 0.001 to 3 kg/ha, preferably from 0.005 to 2.5 kg/ha and in particular from

formula (I) is from 0.001 to 3 kg/ha, preferably from 0.005 to 2.5 kg/ha and in particular from 0.01 to 2 kg/ha of active substance (a.s.).

In another preferred embodiment of the invention, the rates of application of the pyrimidine compounds of formula (I) according to the present invention (total amount of pyrimidine compounds of formula (I)) are from 0.1 g/ha to 3000 g/ha, preferably 10 g/ha to 1000 g/ha,

- 25 depending on the control target, the season, the target plants and the growth stage. In another preferred embodiment of the invention, the application rates of the pyrimidine compounds of formula (I) are in the range from 0.1 g/ha to 5000 g/ha and preferably in the range from 1 g/ha to 2500 g/ha or from 5 g/ha to 2000 g/ha.
- In another preferred embodiment of the invention, the application rate of the pyrimidine compounds of formula (I) is 0.1 to 1000 g/ha, preferably1 to 750 g/ha, more preferably 5 to 500 g/ha.

In treatment of plant propagation materials such as seeds, e. g. by dusting, coating or drenching seed, amounts of active substance of from 0.1 to 1000 g, preferably from 1 to 1000 g, more preferably from 1 to 100 g, and most preferably from 5 to 100 g, per 100 kilogram of plant propagation material (preferably seeds) are generally required.

In another embodiment of the invention, to treat the seed, the amounts of active substances applied, i.e. the pyrimidine compounds of formula (I) are generally employed in amounts of from 0.001 to 10 kg per 100 kg of seed.

When used in the protection of materials or stored products, the amount of active substance
 applied depends on the kind of application area and on the desired effect. Amounts customarily
 applied in the protection of materials are 0.001 g to 2 kg, preferably 0.005 g to 1 kg, of active
 substance per cubic meter of treated material.

Depending on the application method in question, the pyrimidine compounds of formula (I), or the agrochemical compositions comprising them, can additionally be employed in a further

number of crop plants for eliminating undesirable plants. Examples of suitable crops are the following:

Allium cepa, Ananas comosus, Arachis hypogaea, Asparagus officinalis, Avena sativa, Beta vulgaris spec. altissima, Beta vulgaris spec. rapa, Brassica napus var. napus, Brassica napus

- var. napobrassica, Brassica rapa var. silvestris, Brassica oleracea, Brassica nigra, Camellia sinensis, Carthamus tinctorius, Carya illinoinensis, Citrus limon, Citrus sinensis, Coffea arabica (Coffea canephora, Coffea liberica), Cucumis sativus, Cynodon dactylon, Daucus carota, Elaeis guineensis, Fragaria vesca, Glycine max, Gossypium hirsutum, (Gossypium arboreum, Gossypium herbaceum, Gossypium vitifolium), Helianthus annuus, Hevea brasiliensis, Hordeum
- 10 vulgare, Humulus lupulus, Ipomoea batatas, Juglans regia, Lens culinaris, Linum usitatissimum, Lycopersicon lycopersicum, Malus spec., Manihot esculenta, Medicago sativa, Musa spec., Nicotiana tabacum (N.rustica), Olea europaea, Oryza sativa, Phaseolus lunatus, Phaseolus vulgaris, Picea abies, Pinus spec., Pistacia vera, Pisum sativum, Prunus avium, Prunus persica, Pyrus communis, Prunus armeniaca, Prunus cerasus, Prunus dulcis and Prunus domestica,
- 15 Ribes sylvestre, Ricinus communis, Saccharum officinarum, Secale cereale, Sinapis alba, Solanum tuberosum, Sorghum bicolor (s. vulgare), Theobroma cacao, Trifolium pratense, Triticum aestivum, Triticale, Triticum durum, Vicia faba, Vitis vinifera, and Zea mays. Preferred crops are Arachis hypogaea, Beta vulgaris spec. altissima, Brassica napus var. napus, Brassica oleracea, Citrus limon, Citrus sinensis, Coffea arabica (Coffea canephora,
- 20 Coffea liberica), Cynodon dactylon, Glycine max, Gossypium hirsutum, (Gossypium arboreum, Gossypium herbaceum, Gossypium vitifolium), Helianthus annuus, Hordeum vulgare, Juglans regia, Lens culinaris, Linum usitatissimum, Lycopersicon lycopersicum, Malus spec., Medicago sativa, Nicotiana tabacum (N.rustica), Olea europaea, Oryza sativa , Phaseolus lunatus, Phaseolus vulgaris, Pistacia vera, Pisum sativum, Prunus dulcis, Saccharum officinarum,
- Secale cereale, Solanum tuberosum, Sorghum bicolor (s. vulgare), Triticale, Triticum aestivum,
 Triticum durum, Vicia faba, Vitis vinifera, and Zea mays.
 Especially preferred crops are crops of cereals, corn, soybeans, rice, oilseed rape, cotton,

potatoes, peanuts, or permanent crops. The pyrimidine compounds of formula (I) according to the invention, or the agrochemical com-

- 30 positions comprising them, can also be used in genetically modified plants. The term "genetically modified plants" is to be understood as plants whose genetic material has been modified by the use of recombinant DNA techniques to include an inserted sequence of DNA that is not native to that plant species' genome or to exhibit a deletion of DNA that was native to that species' genome, wherein the modification(s) cannot readily be obtained by cross breeding, muta-
- 35 genesis or natural recombination alone. Often, a particular genetically modified plant will be one that has obtained its genetic modification(s) by inheritance through a natural breeding or propagation process from an ancestral plant whose genome was the one directly treated by use of a recombinant DNA technique. Typically, one or more genes have been integrated into the genetic material of a genetically modified plant in order to improve certain properties of the plant.
- 40 Such genetic modifications also include but are not limited to targeted post-translational modification of protein(s), oligo- or polypeptides. e. g., by inclusion therein of amino acid mutation(s) that permit, decrease, or promote glycosylation or polymer additions such as prenylation, acetylation farnesylation, or PEG moiety attachment.

Plants that have been modified by breeding, mutagenesis or genetic engineering, e.g. have been rendered tolerant to applications of specific classes of herbicides, such as auxin herbicides such as dicamba or 2,4-D; bleacher herbicides such as hydroxyphenylpyruvate dioxygenase (HPPD) inhibitors or phytoene desaturase (PDS) inhibitors; acetolactate synthase (ALS) in-

- 5 hibitors such as sulfonyl ureas or imidazolinones; enolpyruvyl shikimate 3-phosphate synthase (EPSP) inhibitors such as glyphosate; glutamine synthetase (GS) inhibitors such as glufosinate; protoporphyrinogen-IX oxidase inhibitors; lipid biosynthesis inhibitors such as acetyl CoA carboxylase (ACCase) inhibitors; or oxynil (i. e. bromoxynil or ioxynil) herbicides as a result of conventional methods of breeding or genetic engineering; furthermore, plants have been made re-
- sistant to multiple classes of herbicides through multiple genetic modifications, such as resistance to both glyphosate and glufosinate or to both glyphosate and a herbicide from another class such as ALS inhibitors, HPPD inhibitors, auxin herbicides, or ACCase inhibitors. These herbicide resistance technologies are, e.g., described in Pest Management Science 61, 2005, 246; 61, 2005, 258; 61, 2005, 277; 61, 2005, 269; 61, 2005, 286; 64, 2008, 326; 64, 2008, 332;
- 15 Weed Science 57, 2009, 108; Australian Journal of Agricultural Research 58, 2007, 708; Science 316, 2007, 1185; and references quoted therein. Several cultivated plants have been rendered tolerant to herbicides by mutagenesis and conventional methods of breeding, e. g., Clear-field® summer rape (Canola, BASF SE, Germany) being tolerant to imidazolinones, e. g., imazamox, or ExpressSun® sunflowers (DuPont, USA) being tolerant to sulfonyl ureas, e. g., tribe-
- 20 nuron. Genetic engineering methods have been used to render cultivated plants such as soybean, cotton, corn, beets and rape, tolerant to herbicides such as glyphosate, imidazolinones, and glufosinate, some of which are under development or commercially available under the brands or trade names RoundupReady® (glyphosate tolerant, Monsanto, USA), Cultivance® (imidazolinone tolerant, BASF SE, Germany), and LibertyLink® (glufosinate tolerant, Bayer
- 25 CropScience, Germany).

Furthermore, plants are also covered that are by the use of recombinant DNA techniques capable to synthesize one or more insecticidal proteins, especially those known from the bacterial genus Bacillus, particularly from Bacillus thuringiensis, such as delta-endotoxins, e. g., CryIA(b), CryIA(c), CryIF, CryIF(a2), CryIIA(b), CryIIIA, CryIIIB(b1) or Cry9c; vegetative insecticidal pro-

- 30 teins (VIP), e. g., VIP1, VIP2, VIP3, or VIP3A; insecticidal proteins of bacteria colonizing nematodes, e. g., Photorhabdus spp. or Xenorhabdus spp.; toxins produced by animals, such as scorpion toxins, arachnid toxins, wasp toxins, or other insect-specific neurotoxins; toxins produced by fungi, such as Streptomycetes toxins, plant lectins, such as pea or barley lectins; agglutinins; proteinase inhibitors, such as trypsin inhibitors, serine protease inhibitors, patatin, cys-
- 35 tatin or papain inhibitors; ribosome-inactivating proteins (RIP), such as ricin, maize-RIP, abrin, luffin, saporin or bryodin; steroid metabolism enzymes, such as 3-hydroxy-steroid oxidase, ecdysteroid-IDP-glycosyl-transferase, cholesterol oxidases, ecdysone inhibitors or HMG-CoA-reductase; ion channel blockers, such as blockers of sodium or calcium channels; juvenile hormone esterase; diuretic hormone receptors (helicokinin receptors); stilbene synthase, bibenzyl
- 40 synthase, chitinases or glucanases. In the context of the present invention these insecticidal proteins or toxins are to be understood expressly also as including pre-toxins, hybrid proteins, truncated or otherwise modified proteins. Hybrid proteins are characterized by a new combination of protein domains, (see, e. g., WO 02/015701). Further examples of such toxins or genetically modified plants capable of synthesizing such toxins are disclosed, e. g., in EP-A 374 753,

WO 93/007278, WO 95/34656, EP-A 427 529, EP-A 451 878, WO 03/18810, and WO 03/52073. The methods for producing such genetically modified plants are generally known to the person skilled in the art and are described, e. g., in the publications mentioned above. These insecticidal proteins contained in the genetically modified plants impart to the plants pro-

- 5 ducing these proteins tolerance to harmful pests from all taxonomic groups of arthropods, especially to beetles (Coeloptera), two-winged insects (Diptera), and moths (Lepidoptera) and to nematodes (Nematoda). Genetically modified plants capable to synthesize one or more insecticidal proteins are, e. g., described in the publications mentioned above, and some of which are commercially available such as YieldGard® (corn cultivars producing the Cry1Ab toxin), Yield-
- 10 Gard® Plus (corn cultivars producing Cry1Ab and Cry3Bb1 toxins), Starlink® (corn cultivars producing the Cry9c toxin), Herculex® RW (corn cultivars producing Cry34Ab1, Cry35Ab1 and the enzyme Phosphinothricin-N-Acetyltransferase [PAT]); NuCOTN® 33B (cotton cultivars producing the Cry1Ac toxin), Bollgard® I (cotton cultivars producing the Cry1Ac toxin), Bollgard® II (cotton cultivars producing Cry1Ac and Cry2Ab2 toxins); VIPCOT® (cotton cultivars producing a
- 15 VIP-toxin); NewLeaf® (potato cultivars producing the Cry3A toxin); Bt-Xtra®, NatureGard®, KnockOut®, BiteGard®, Protecta®, Bt11 (e. g., Agrisure® CB) and Bt176 from Syngenta Seeds SAS, France, (corn cultivars producing the Cry1Ab toxin and PAT enzyme), MIR604 from Syngenta Seeds SAS, France (corn cultivars producing a modified version of the Cry3A toxin, c.f. WO 03/018810), MON 863 from Monsanto Europe S.A., Belgium (corn cultivars producing the
- 20 Cry3Bb1 toxin), IPC 531 from Monsanto Europe S.A., Belgium (cotton cultivars producing a modified version of the Cry1Ac toxin) and 1507 from Pioneer Overseas Corporation, Belgium (corn cultivars producing the Cry1F toxin and PAT enzyme).

Furthermore, plants are also covered that are by the use of recombinant DNA techniques capable to synthesize one or more proteins to increase the resistance or tolerance of those plants

- to bacterial, viral or fungal pathogens. Examples of such proteins are the so-called "pathogenesis-related proteins" (PR proteins, see, e.g., EP-A 392 225), plant disease resistance genes (e. g., potato culti-vars, which express resistance genes acting against Phytophthora infestans derived from the Mexican wild potato, Solanum bulbocastanum) or T4-lyso-zym (e.g., potato cultivars capable of synthesizing these proteins with increased resistance against bacteria such as
- 30 Erwinia amylovora). The methods for producing such genetically modi-fied plants are generally known to the person skilled in the art and are described, e.g., in the publications mentioned above.

Furthermore, plants are also covered that are by the use of recombinant DNA techniques capable to synthesize one or more proteins to increase the productivity (e.g., bio-mass production,

35 grain yield, starch content, oil content or protein content), tolerance to drought, salinity or other growth-limiting environmental factors or tolerance to pests and fungal, bacterial or viral pathogens of those plants.

Furthermore, plants are also covered that contain by the use of recombinant DNA techniques a modified amount of ingredients or new ingredients, specifically to improve human or animal

40 nutrition, e. g., oil crops that produce health-promoting long-chain omega-3 fatty acids or unsaturated omega-9 fatty acids (e. g., Nexera® rape, Dow AgroSciences, Canada).

Furthermore, plants are also covered that contain by the use of recombinant DNA techniques a modified amount of ingredients or new ingredients, specifically to improve raw material production, e.g., potatoes that produce increased amounts of amylopectin (e.g. Amflora® potato, BASF SE, Germany).

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The preparation of the pyrimidine compounds of formula (I) is illustrated by the following examples.

A Preparation examples

Example 1: Methyl 2-cyclopropyl-5-(2,2-difluoro-1,3-benzodioxol-4-yl)pyrimidine-4-carboxylate: 1.1 5-Bromo-2-cyclopropyl-pyrimidine-4-carboxylic acid:

NaH (60% purity, 41.9 g) is added in portions to EtOH (800 mL) at 0 °C. The resulting mixture is warmed to ambient temperature and the cyclopropanecarboxamidine hydrochlorid (93.5 g,) is added in portions. The reaction is warmed to 50 °C and maintained at this temperature for 0.5 h and then cooled to ambient temperature before mucobromic acid (100 g) is added in EtOH

- 15 while keeping the internal temperature below 55 °C. The mixture is allowed to cool to ambient temperature and stirred for additional 16 h. All solid components are removed by filtration and the resulting solution is concentrated under reduced pressure. Aq. HCI (1 mol/L) is added, the aqueous phase is washed with EtOAc (3x), the combined organic extracts are dried over MgSO4 and the solid parts removed by filtration. The residue is concentrated under reduced
- pressure and the resulting solid titrated with (iPr)₂O. The solids are collected by filtration and dried yielding the title compound (68.0 g, yield 72 %) as a colorless solid.
 1H NMR (400 MHz, CDCl₃): δ = 8.91 (s, 1H), 2.38 2.26 (m, 1H), 1.34 1.14 (m, 4H) ppm;

TH NMR (400 MHz, CDCl₃): $\sigma = 8.91$ (s, TH), 2.38 – 2.26 (m, TH), 1.34 – 1.14 (m, 4H) ppm MS (ESI) m/z 244.9 [M + H⁺].

1.2 Methyl 5-bromo-2-cyclopropyl-pyrimidine-4-carboxylate:

- 5-Bromo-2-cyclopropyl-pyrimidine-4-carboxylic acid (91.0 g) is dissolved in MeOH (1200 mL) and conc. sulfuric acid (20 mL) is added dropwise at ambient temperature. The reaction is heated to reflux and stirred for 16 h. The resulting mixture is cooled to ambient temperature and neutralized with aq. sat. NaHCO₃. The residue is parted between EtOAc and aq. sat. NaHCO3, the phases are separated, the aq. phase is extracted with EtOAc and the combined organics
- 30 are dried over MgSO₄. Solid parts are removed by filtration and the organic phase is concentrated under reduced pressure. Column chromatography of the resulting crude product (ISCO-CombiFlash Rf, cyclohexane/EtOAc) yields the title compound (81.0 g, yield 84%) as a colorless solid.

1H NMR (400 MHz, CDCl₃): δ = 8.74 (s, 1H), 4.01 (s, 3H), 2.33 – 2.22 (m, 1H), 1.21 – 1.06 (m, 4H) ppm; MS (ESI) m/z 246.9 [M + H⁺].

1.3 Methyl 2-cyclopropyl-5-(2,2-difluoro-1,3-benzodioxol-4-yl)pyrimidine-4-carboxylate: A mixture of methyl 5-bromo-2-cyclopropyl-pyrimidine-4-carboxylate (500 mg), (2,2-difluoro-1,3-benzodioxol-4-yl)boronic acid (471 mg), K₃PO₄ (1.49 g) and PdCl₂dppf (71.1 mg) in dioxane (7 mL) is heated to 80°C under an atmosphere of argon for 19 h. Water and EtOAc are added,

40 the phases are separated and organic phase is dried over MgSO₄. The solids are removed via filtration and resulting solution is concentrated under reduced pressure. Column chromatography of the crude product (ISCO-CombiFlash Rf, revered phase, water/MeCN yields the title compound (446 mg, yield 69%).

1H NMR (400 MHz, DMSO-d6): δ 8.96 (s, 1H), 7.52 (dd, J = 5.4, 3.9 Hz, 1H), 7.39 – 7.32 (m, 2H), 3.78 (s, 3H), 2.41 – 2.30 (m, 1H), 1.23 – 1.06 (m, 4H) ppm; MS (ESI) m/z 334.8 [M + H⁺]. Example 2: 2-Cyclopropyl-5-(2,2-difluoro-1,3-benzodioxol-4-yl)pyrimidine-4-carboxylic acid: Methyl 2-cyclopropyl-5-(2,2-difluoro-1,3-benzodioxol-4-yl)pyrimidine-4-carboxylate (268 mg) is

5 dissolved in THF and lithiumhydroxid (38.4 mg) is added as a solution in water. The resulting mixture is stirred for 20 hours at ambient temperature and then acidified to pH = 1 - 2 with aqueous hydrochloric acid (2 mol/L). The precipitate is filtered and dried yielding the title compound (320 mg, 96%) as a colorless solid.

1H NMR (400 MHz, DMSO-d6): δ 8.89 (s, 1H), 7.49 (dd, J = 7.7, 1.5 Hz, 1H), 7.38 – 7.25 (m, 2H), 2.39 – 2.28 (m, 1H), 1.21 – 1.06 (m, 4H) ppm; MS (ESI) m/z 321.0 [M + H+].

Example 3: Methyl 5-(benzothiophen-3-yl)-2-cyclopropyl-pyrimidine-4-carboxylate: 3.1 Methyl 2-cyclopropyl-5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)pyrimidine-4carboxylate:

A mixture of methyl 5-bromo-2-cyclopropyl-pyrimidine-4-carboxylate (27.5 g),

bis(pinacolato)diboron (54.3 g), KOAc (21.0 g) and PdCl₂dppf (8.74 mg) in dioxane (500 mL) is heated to 100 °C under an atmosphere of argon for 6 h. The mixture is cooled to ambient temperature, filtered over celite and the volatiles are removed under reduced pressure. Column chromatography of the crude product (ISCO-CombiFlash Rf, cyclohexane/EtOAc) yields the title compound (18.0 g, yield 55%) as an oil.

20 1H NMR (400 MHz, CDCl₃): δ 8.80 (s, 1H), 3.98 (s, 3H), 2.36 – 2.30 (m, 1H), 1.38 (s, 12H), 1.22 – 1.17 (m, 2H), 1.15 – 1.08 (m, 2H) ppm.

3.2 Methyl 5-(benzothiophen-3-yl)-2-cyclopropyl-pyrimidine-4-carboxylate:

A mixture of methyl 2-cyclopropyl-5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)pyrimidine-4carboxylate (1.00 g), 3-bromobenzothiophene (1.01 g), CsF (1.49 g) and PdCl₂dppf (483 mg) in

toluene (40 mL) is heated under reflux under an atmosphere of argon for 3 h. The reaction mixture is filtered through celite and the volatiles are removed under reduced pressure. Column chromatography of the crude product (cyclohexane/EtOAc) yields the title compound (844 mg, yield 90%) as a reddish solid.

1H NMR (400 MHz, CDCl3): δ 8.76 (s, 1H), 7.94 – 7.90 (m, 1H), 7.52 – 7.49 (m, 1H), 7.44 (s, 1H), 7.43 – 7.35 (m, 2H), 3.66 (s, 3H), 2.44 – 2.39 (m, 1H), 1.30 – 1.24 (m, 2H), 1.20 – 1.16 (m, 2H) ppm; MS (ESI) m/z 311.2 [M + H+].

Example 4: Methyl 5-(2-chlorobenzothiophen-3-yl)-2-cyclopropyl-pyrimidine-4-carboxylate: A mixture of Methyl 5-(benzothiophen-3-yl)-2-cyclopropyl-pyrimidine-4-carboxylate (550 mg) and NCS (260 mg) in DMF (40 mL) is heated to 75 °C 1 h. The reaction cooled to ambient

- 35 temperature and aq. Na₂S₂O₃ is added. The aq. phase is extracted with EtOAc, the organic phase is washed subsequently with water and brine and dried over MgSO4. Solid parts are removed by filtration and the organic phase is concentrated under reduced pressure. Column chromatography of the resulting crude product (ISCO-CombiFlash Rf, cyclohexane/EtOAc) yields a mixture of product and starting material. Preparative HPLC (water, MeCN) allows for
- the isolation of the title compound (120 mg, yield 20%) as a colorless oil.
 1H NMR (400 MHz, CDCl₃): δ 8.71 (s, 1H), 7.80 7.73 (m, 1H), 7.40 7.32 (m, 2H), 7.28 –
 7.25 (m, 1H), 3.70 (s, 3H), 2.52 2.40 (m, 1H), 1.32 1.18 (m, 4H) ppm; MS (ESI) m/z 344.9 [M + H+].

With appropriate modification of the starting materials, the procedures given in the synthesis examples below were used to obtain further compounds of formula I. The compounds obtained in this manner are listed in the table that follows, together with physical data.

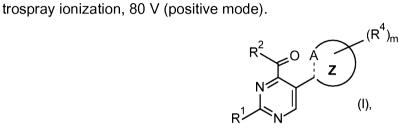
The products shown below were characterized by melting point determination, by the masses ([m/z]) or retention time (RT; [min.]) determined by HPLC-MS or HPLC spectrometry.

HPLC-MS = high performance liquid chromatography-coupled mass spectrometry; HPLC methods:

Method: Column: Phenomenex Kinetex 1.7 µm XB-C18 100A; 50 x 2.1 mm; mobile phase: A: water + 0.1% trifluoroacetic acid (TFA); B: acetonitrile + 0.1% TFA; gradient: 5-100% B in 1.50

minutes; 100% B 0.25 min; flow: 0.8-1.0ml/min in 1.51 minutes at 60°C.MS: quadrupole elec-

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Ex.	R ¹	R²	A (R ⁴)m # Z	HPLC /MS, R _t [min]	HPLC /MS, m/z	Ex	R ¹	R²	A Z (R ⁴)m	HPLC /MS, Rt[min]	HPLC /MS, m/z
1	c-C₃H₅	OCH₃	F o #	1.243	334.8	6	c-C₃H₅	он		0.910	285.0
2	c-C₃H₅	он	F F O F	1.075	321.0	7	c-C₃H₅	он	, , ,	1.097	281.2
3	c-C₃H₅	OCH ₃		1.094	297.0	8	c-C₃H₅	OCH ₃	#	1.271	295.4
4	c-C₃H₅	OCH ₃	↔ , , , , , , , , , , , , , , , , , , ,	1.107	298.8	9	c-C₃H₅	OCH3	0 0 CI	1.116	333.0
5	c-C₃H₅	он	°→→ #	1.006	283.0	10	c-C₃H₅	он	0 0 CI	1.018	318.9

	1			,	1		-			r	
Ex.	R ¹	R²	, (R ⁴) _m , z (R ⁴) _m	HPLC /MS, R _t [min]	HPLC /MS, m/z	Ex.	R¹	R²	A. .∠ # (R ⁴) _m	HPLC /MS, R _t [min]	HPLC /MS, m/z
11	c-C₃H₅	OCH₃		1.174	334.7	20	c-C₃H₅	он	₩ 0 0 0	1.110	315.1
12	c-C₃H₅	OCH ₃	\$#	1.235	311.2	21	c-C₃H₅	OCH3	H ₃ C ['] #	1.164	308.1
13	c-C ₃ H ₅	он	\$#	1.022	297.0	22	c-C₃H₅	OCH ₃		1.169	333.0
14	c-C₃H₅	он		1.026	318.9	23	c-C₃H₅	он		1.016	319.0
15	c-C₃H₅	OCH₃	*	1.201	295.1	24	c-C₃H₅	OCH ₃	of Br	1.175	376.8
16	c-C₃H₅	он	*	1.015	281.1	25	c-C₃H₅	он	o Br	1.030	364.7
17	c-C₃H₅	OCH₃	S CI	1.267	345.0	26	c-C₃H₅	OCH ₃	CI	1.325	339.0
18	c-C₃H₅	он	s, ci	1.156	331.1	27	c-C₃H₅	он	CI	1.151	325.0
19	c-C₃H₅	OCH3	, CI	1.235	329.0	28	c-C₃H₅	OCH ₃		1.197	424.8

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Ex.	R ¹	R ²	A. 	HPLC /MS, R _t [min]	HPLC /MS, m/z	Ex.	R ¹	R ²	A	HPLC /MS, R _t [min]	HPLC /MS, m/z
29	c-C₃H₅	он		1.053	410.8	33	c-C₃H₅	он	CI F	1.049	336.8
30	c-C₃H₅	OCH₃		1.076	313.1	34	c-C₃H₅	OCH₃	CI CI CH3	1.208	362.8
31	c-C₃H₅	он	J.	0.938	298.9	35	c-C₃H₅	OCH ₃	CI CI CH3	1.197	362.8
32	c-C₃H₅	OCH ₃	CI F	1.192	350.8	36	c-C₃H₅	он	CI CH3	1.058	348.8

B Use examples

The herbicidal activity of the pyrimidine compounds of formula (I) was demonstrated by the following greenhouse experiments:

5 The culture containers used were plastic flowerpots containing loamy sand with approximately 3.0% of humus as the substrate. The seeds of the test plants were sown separately for each species.

For the pre-emergence treatment, the active ingredients, which had been suspended or emulsified in water, were applied directly after sowing by means of finely distributing nozzles.

10 The containers were irrigated gently to promote germination and growth and subsequently covered with transparent plastic hoods until the plants had rooted. This cover caused uniform germination of the test plants, unless this had been impaired by the active ingredients.

For the post-emergence treatment, the test plants were first grown to a height of 3 to 15 cm, depending on the plant habit, and only then treated with the active ingredients which had been

15 suspended or emulsified in water. For this purpose, the test plants were either sown directly and grown in the same containers, or they were first grown separately as seedlings and transplanted into the test containers a few days prior to treatment.

Depending on the species, the plants were kept at $10 - 25^{\circ}$ C or $20 - 35^{\circ}$ C, respectively.

The test period extended over 2 to 4 weeks. During this time, the plants were tended, and their response to the individual treatments was evaluated.

Evaluation was carried out using a scale from 0 to 100. 100 means no emergence of the plants, or complete destruction of at least the aerial moieties, and 0 means no damage, or normal course

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of growth. A good herbicidal activity is given at values of at least 70 and a very good herbicidal activity is given at values of at least 85.

Scientific name Bayer code ALOMY Alopecurus myosuroides AMARE Amaranthus retroflexus APESV Apera spica-venti **AVEFA** Avena fatua **ECHCG** Echinocloa crus-galli SETVI Setaria viridis SETFA Setaria faberi Herrm ABUTH Abutilon theophrasti

The plants used in the greenhouse experiments were of the following species:

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At an application rate of 1000 g/ha, example 2 applied by the post-emergence method showed very good herbicidal activity against ALOMY and AMARE, and applied by the pre-emergence method showed very good herbicidal activity against ECHCG and APESV.

At an application rate of 1000 g/ha, example 4 applied by the post-emergence method showed very good herbicidal activity against ALOMY, and applied by the pre-emergence method showed good herbicidal activity against ECHCG.

At an application rate of 1000 g/ha, example 5 applied by the post-emergence method showed good herbicidal activity against ECHCG, and applied by the pre-emergence method showed good herbicidal activity against ECHCG.

15 At an application rate of 1000 g/ha, example 6 applied by the post-emergence method showed very good herbicidal activity against ALOMY and AMARE, and applied by the pre-emergence method showed very good herbicidal activity against APESV, AMARE and ECHCG.

At an application rate of 1000 g/ha, example 11 applied by the post-emergence method showed very good herbicidal activity against ALOMY, and good herbicidal activity against

20 AMARE, and applied by the pre-emergence method showed very good herbicidal activity against ECHCG.

At an application rate of 1000 g/ha, example 14 applied by the post-emergence method showed good herbicidal activity against AVEFA and ALOMY, and applied by the pre-emergence method showed very good herbicidal activity against APESV and ECHCG.

At an application rate of 1000 g/ha, example 9 applied by the post-emergence method showed very good herbicidal activity against ECHCG.

At an application rate of 1000 g/ha, example 10 applied by the post-emergence method showed good herbicidal activity against ECHCG and very good activity against ALOMY, and applied by the pre-emergence method showed very good herbicidal activity against APESV and ECHCG.

At an application rate of 2000 g/ha, example 12 applied by the pre-emergence method showed very good herbicidal activity against ECHCG.

At an application rate of 2000 g/ha, example 13 applied by the post-emergence method showed very good herbicidal activity against AMARE, and good herbicidal activity against

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ALOMY and ECHCG, and applied by the pre-emergence method showed very good herbicidal activity against ECHCG.

At an application rate of 1000 g/ha, example 15 applied by the post-emergence method showed very good herbicidal activity against SETVI, and applied by the pre-emergence method showed very good herbicidal activity against ECHCG.

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At an application rate of 2000 g/ha, example 16 applied by the post-emergence method showed good herbicidal activity against ECHCG, and applied by the pre-emergence method showed very good herbicidal activity against APESV and ECHCG.

At an application rate of 2000 g/ha, example 17 applied by the post-emergence method 10 showed very good herbicidal activity against SETVI.

At an application rate of 2000 g/ha, example 19 applied by the post-emergence method showed good herbicidal activity against ALOMY.

At an application rate of 2000 g/ha, example 20 applied by the pre-emergence method showed very good herbicidal activity against APESV.

At an application rate of 1000 g/ha, example 24 applied by the post-emergence method 15 showed very good herbicidal activity against ALOMY and ECHCG.

At an application rate of 1000 g/ha, example 25 applied by the post-emergence method showed good herbicidal activity against ALOMY and ECHCG, and good herbicidal activity against ABUTH, and applied by the pre-emergence method showed very good herbicidal activ-

ity against APESV and ECHCG. 20

> At an application rate of 1000 g/ha, example 26 applied by the pre-emergence method showed very good herbicidal activity against SETFA.

At an application rate of 1000 g/ha, example 28 applied by the post-emergence method showed good herbicidal activity against ALOMY, and good herbicidal activity against ECHCG,

and applied by the pre-emergence method showed very good herbicidal activity against 25 ECHCG.

At an application rate of 1000 g/ha, example 29 applied by the post-emergence method showed very good herbicidal activity against AMARE.

At an application rate of 1000 g/ha, example 30 applied by the post-emergence method showed very good herbicidal activity against AMARE.

At an application rate of 1000 g/ha, example 31 applied by the post-emergence method showed very good herbicidal activity against AMARE and ECHCG, and applied by the preemergence method showed very good herbicidal activity against APESV and ECHCG.

At an application rate of 1000 g/ha, example 32 applied by the post-emergence method showed good herbicidal activity against ALOMY and ECHCG, and applied by the pre-emer-35 gence method showed very good herbicidal activity against ECHCG.

At an application rate of 1000 g/ha, example 33 applied by the post-emergence method showed good herbicidal activity against ALOMY and showed very good herbicidal activity against ECHCG, and applied by the pre-emergence method showed very good herbicidal activ-

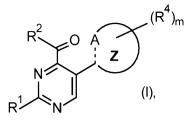
ity against APESV and ECHCG. 40

> At an application rate of 1000 g/ha, example 35 applied by the post-emergence method showed very good herbicidal activity against ABUTH.

At an application rate of 1000 g/ha, example 36 applied by the post-emergence method showed very good herbicidal activity against ALOMY and ECHCG, and applied by the pre-emergence method showed very good herbicidal activity against APESV.

Claims

1. The pyrimidine compounds of formula (I)



5 wherein

the dotted line (-----) is single bond or double bond;

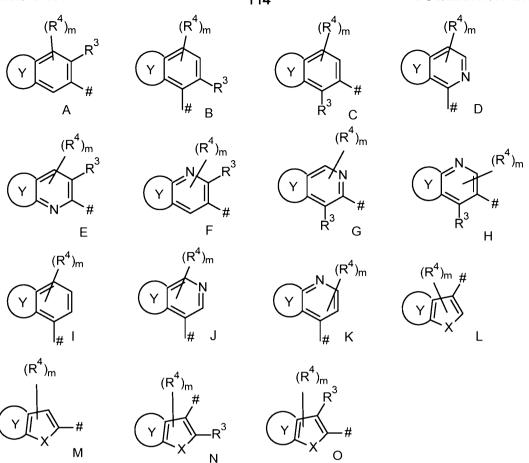
- R^1 is C₁-C₆-alkyl, C₁-C₆-haloalkyl, HO-C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-haloalkenyl, C₂-C6-alkynyl, C3-C6-haloalkynyl, C1-C6-alkoxy-C1-C6-alkyl, C1-C6-alkoxy, C3-C6alkenyloxy, C₃-C₆-haloalkenyloxy, C₃-C₆-alkynyloxy, C₃-C₆-haloalkynyloxy, C₁-C₆-10 haloalkoxy, C₃-C₆-cycloalkoxy, C₃-C₆-halocycloalkoxy, C₃-C₆-cycloalkenyloxy, C₃-C₆halocycloalkenyloxy, C1-C6-alkylthio, C1-C6-haloalkylthio, (C1-C6-alkyl)amino, di(C1-C₆-alkyl)amino, C₁-C₆-alkylsulfinyl, C₁-C₆-alkylsulfonyl, C₃-C₆-cycloalkyl, C₃-C₆-cycloalkenyl, C₃-C₆-halocycloalkyl, C₃-C₆-halocycloalkenyl, [1-(C₁-C₆-alkyl)]-C₃-C₆-cycloalkyl, [1-(C₂-C₆-alkenyl)]-C₃-C₆-cycloalkyl, [1-(C₂-C₆-alkynyl)]-C₃-C₆-cycloalkyl, [1-(C₁-15 C₆-haloalkyl)]-C₃-C₆-cycloalkyl, [1-(C₂-C₆-haloalkenyl)]-C₃-C₆-cycloalkyl, [1-(C₃-C₆haloalkynyl)]-C₃-C₆-cycloalkyl, C₃-C₆-cycloalkyl-C₁-C₆-alkyl, C₃-C₆-cycloalkyl-C₁-C₆haloalkyl, C₃-C₆-cycloalkyl-C₁-C₆-alkoxy, C₃-C₆-cycloalkyl-C₁-C₆-haloalkoxy, phenyl, 5- or 6-membered heteroaryl, or 3- to 6-membered heterocyclyl; wherein the cyclic groups of R¹ are unsubstituted or substituted by R^a; \mathbb{R}^2 is H, halogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-alkylcarbonyl-C₁-C₆-alkyl, C₁-C₆-20 alkoxycarbonyl-C1-C6-alkyl, C1-C6-haloalkylcarbonyl-C1-C6-alkyl, C1-C6-haloalkoxycarbonyl-C₁-C₆-alkyl, C₁-C₆-alkylcarbonyl-C₁-C₆-haloalkyl, C₁-C₆-alkoxycarbonyl-C₁-C6-haloalkyl, C1-C6-haloalkylcarbonyl-C1-C6-haloalkyl, C1-C6-haloalkoxycarbonyl-C1-C6-haloalkyl, OH, C1-C6-alkoxy, C1-C6-alkoxy-C1-C6-alkoxy, C1-C6-haloalkoxy-C1-C6alkoxy, C1-C6-alkoxy-C1-C6-haloalkoxy, C1-C6-haloalkoxy-C1-C6-haloalkoxy, C1-C6-25 alkoxy-C₁-C₆-alkoxy-C₁-C₆-alkoxy, C₁-C₆-haloalkoxy, C₁-C₆-cyanoalkoxy, C₁-C₆-hydroxyalkoxy, C_3 - C_6 -alkenyloxy, C_3 - C_6 -alkenyloxy- C_1 - C_6 -alkoxy, C_3 - C_6 -haloalkenyloxy-C1-C6-haloalkoxy, C3-C6-alkenyloxy-C1-C6-haloalkoxy, C3-C6-haloalkenyloxy, C₃-C₆-alkynyloxy, C₃-C₆-haloalkynyloxy, C₃-C₆-alkynyloxy-C₁-C₆-alkoxy, C₃-C₆-haloalkynyloxy-C₁-C₆-haloalkoxy, C₃-C₆-alkynyloxy-C₁-C₆-haloalkoxy, C₃-C₆-
- C₃-C₆-haloalkynyloxy-C₁-C₆-haloalkoxy, C₃-C₆-alkynyloxy- C₁-C₆-haloalkoxy, C₃-C₆-alkenyloxy, C₃-C₆-alkenyloxy, C₃-C₆-alkenyloxy, C₃-C₆-alkenyloxy, C₃-C₆-alkenyloxy, C₃-C₆-alkynyloxy- C₃-C₆-haloalkenyloxy, C₃-C₆-haloalkenyloxy- C₃-C₆-haloalkenyloxy, C₃-C₆-haloalkynyloxy- C₃-C₆-haloalkenyloxy, C₃-C₆-alkynyloxy- C₃-C₆-alkynyloxy, C₃-C₆-haloalkynyloxy- C₃-C₆-haloalkynyloxy- C₃-C₆-haloalkynyloxy- C₃-C₆-haloalkynyloxy, C₃-C₆-haloalkynyloxy- C₃-C₆-haloalkynyloxy, C₃-C₆-haloalkynyloxy- C₃-C₆-haloalkynyloxy, C₃-C₆-haloalkynyloxy- C₃-C₆-haloalkynyloxy, (C₁-C₆-haloalkynyloxy- C₃-C₆-haloalkynyloxy, (C₁-C₆-haloalkyl)carbonyl-C₁-C₆-haloalkyl)carbonyl-C₁-C₆-alkoxy, (C₁-C₆-haloalkoxy)carbonyl-C₁-C₆-alkoxy, (C₁-C₆-haloalkoxy)carbonyl-C₁-C₆-haloalkoxy, (C₁-C₆-haloalkoxy)carbonyl-

	$(C_1-C_6-alkoxy-C_1-C_6-alkyl)$ carbonyl- $C_1-C_6-alkoxy$, $(C_1-C_6-haloalkoxy-C_1-C_6-alkyl)$ carbonyl- $C_1-C_6-alkoxy$, $(C_1-C_6-alkoxy-C_1-C_6-alkoxy)$, $(C_1-C_6-alkoxy-C_1-C_6-alkoxy)$, $(C_1-C_6-alkoxy-C_1-C_6-alkyl)$ carbonyl- $C_1-C_6-alkoxy$, $(C_1-C_6-alkyl)$ carbonyl- $C_1-C_6-alkoxy$, $(C_1-C_6-alkoxy-C_1-C_6-alkyl)$ carbonyl- $C_1-C_6-alkoxy$, $(C_1-C_6-alkoxy-C_1-C_6-alkyl)$ carbonyl- $C_1-C_6-alkoxy$, $(C_1-C_6-alkoxy-C_1-C_6-alkyl)$ carbonyl- $C_1-C_6-alkoxy$, $(C_1-C_6-alkoxy-C_1-C_6-alkyl)$
5	$(C_1-C_6-alkoxy-C_1-C_6-haloalkyl)$ carbonyl- $C_1-C_6-haloalkoxy$, $(C_1-C_6-haloalkoxy-C_1-C_6-haloalkoxy)$ haloalkyl)carbonyl- $C_1-C_6-haloalkoxy$, $(C_1-C_6-alkylthio)$ carbonyl- $C_1-C_6-alkoxy$, $(C_1-C_6-haloalkylthio)$ carbonyl- $C_1-C_6-alkoxy$, $(C_1-C_6-alkylthio)$ carbonyl- $C_1-C_6-haloalkoxy$, $(C_1-C_6-alkylthio)$ carbonyl- $C_1-C_6-alkylthio)$ carbonyl- $C_1-C_6-alkylthio$ - C_1
10	C_1-C_6 -haloalkyl)carbonyl- C_1-C_6 -alkoxy, (C_1-C_6 -alkylthio- C_1-C_6 -alkyl)carbonyl- C_1-C_6 -haloalkoxy, (C_1-C_6 -haloalkylthio- C_1-C_6 -haloalkyl)carbonyl- C_1-C_6 -alkyl)carbonyl- C_1-C_6 -haloalkyl)carbonyl- C_1-C_6 -haloalkoxy, (C_1-C_6 -haloalkoxy, (C_1-C_6 -haloalkoxy, (C_1-C_6 -haloalkoxy, (C_1-C_6 -haloalkoxy), (C_1-C_6 -haloalkyl)carbonyl- C_1-C_6 -haloalkyl)carbonyl- C_1-C_6 -haloalkyl)carbonyl- C_1-C_6 -haloalkyl)carbonyl- C_1-C_6 -haloalkyl)carbonyl- C_1-C_6 -haloalkoxy, (C_3-C_6 -cycloalkoxy, C_3-C_6 -haloalkoxy, (C_3-C_6 -cycloalkyl)C_1- C_6 -haloalkoxy, (C_3-C_6 -cycloalkoxy, C_3-C_6 -haloalkoxy, (C_3-C_6 -cycloalkyl)C_1- C_6 -haloalkoxy, (C_3-C_6 -cycloalkyl)C_1- C_6 -haloalkoxy, (C_3-C_6 -cycloalkoxy)C_1- C_6 -haloalkoxy)C_1- C_6 -haloalkoxy, (C_3-C_6 -cycloalkox))C_1- C_6 -haloalkoxy)C_1- C_6 -haloalkoxy)C_3- C_6 -cycloalkox)C_1- C_6 -haloalkoxy)C_1- C_6 -haloalkox)C_1- $C_$
15	alkoxy, $(C_3-C_6-halocycloalkyl)C_1-C_6-alkoxy$, $(C_3-C_6-cycloalkyl)C_1-C_6-haloalkoxy$, aminocarbonyl- C_1-C_6 -alkoxy, $(C_3-C_6-halocycloalkyl)C_1-C_6-haloalkoxy$, aminocarbonyl- C_1-C_6 -haloalkoxy, N-(C_1-C_6 -alkyl)-aminocarbonyl- C_1-C_6 -alkoxy, N-(C_1-C_6 -alkyl)-aminocarbonyl- C_1-C_6 -alkoxy, N,N-di(C_1-C_6 -alkyl)-aminocarbonyl- C_1-C_6 -alkyl)-aminocar
20	kyl)(phenyl)C=N-O, (di(C ₁ -C ₆ -alkyl))C=N-O, (C ₁ -C ₆ -alkyl) ₃₋ silyl-C ₁ -C ₆ -alkoxy, C ₁ -C ₆ -alkylthio, C ₁ -C ₆ -haloalkylthio, C ₁ -C ₆ -haloalkoxy-C ₁ -C ₆ -alkylthio, C ₁ -C ₆ -haloalkoxy-C ₁ -C ₆ -alkylthio, C ₁ -C ₆ -haloalkoxy-C ₁ -C ₆ -haloalkylthio, C ₁ -C ₆ -haloalkoxy-C ₁ -C ₆ -haloalkylthio, C ₁ -C ₆ -alkoxy-C ₁ -C ₆ -haloalkylthio, C ₁ -C ₆ -haloalkoxy-C ₁ -C ₆ -haloalkylthio, C ₂ -C ₆ -alkoxy-C ₁ -C ₆ -alkenylthio, C ₃ -C ₆ -alkenylthio, C ₂ -C ₆ -haloalkenylthio, C ₃ -C ₆ -alkenylthio, C ₃ -C ₆ -alkenylthio, C ₁ -C ₆ -alkylthio, C ₃ -C ₆ -alkenylthio, C ₁ -C ₆ -alkylthio, C ₃ -C ₆ -alkenylthio, C ₁ -C ₆ -alkylthio, C ₃ -C ₆ -haloalkenylthio, C ₁ -C ₆ -alkylthio, C ₁ -C ₆ -alkylthio, C ₃ -C ₆ -alkenylthio, C ₁ -C ₆ -alkylthio, C ₁ -C ₆ -alkylthio, C ₃ -C ₆ -alkenylthio, C ₁ -C ₆ -alkylthio, C ₁ -C ₆ -alkylthio, C ₃ -C ₆ -alkenylthio, C ₁ -C ₆ -alkylthio, C ₃ -C ₆ -baloalkenylthio, C ₁ -C ₆ -
25	alkylthio, C_3 - C_6 -alkenyloxy- C_1 - C_6 -haloalkylthio, C_3 - C_6 -haloalkenyloxy- C_1 - C_6 -haloal- kylthio, C_3 - C_6 -alkynylthio, C_2 - C_6 -haloalkynylthio, C_3 - C_6 -alkynyloxy- C_1 - C_6 -alkylthio, C_3 - C_6 -haloalkynyloxy- C_1 - C_6 -haloalkylthio, C_3 - C_6 -alkynyloxy- C_1 - C_6 -haloalkylthio, C_3 - C_6 -alkynyloxy- C_3 - C_6 -alkenylthio, C_3 - C_6 -haloalkynyloxy- C_3 - C_6 -alkenylthio, C_3 - C_6 - alkynyloxy- C_2 - C_6 -haloalkenylthio, C_3 - C_6 -haloalkynyloxy- C_2 - C_6 -haloalkenylthio, C_3 -
30	$C_{6}-alkynyloxy-C_{3}-C_{6}-alkynylthio, C_{3}-C_{6}-haloalkynyloxy-C_{3}-C_{6}-alkynylthio, C_{3}-C_{6}-alkynyloxy-C_{2}-C_{6}-haloalkynylthio, C_{3}-C_{6}-haloalkynyloxy-C_{2}-C_{6}-haloalkynylthio, (C_{1}-C_{6}-alkyl)carbonyl-C_{1}-C_{6}-alkylthio, (C_{1}-C_{6}-haloalkyl)carbonyl-C_{1}-C_{6}-alkylthio, (C_{1}-C_{6}-haloalkyl)carbonyl-C_{1}-C_{6}-haloalkylthio, (C_{1}-C_{6}-haloalkyl)carbonyl-C_{1}-C_{6}-haloalkylthio, (C_{1}-C_{6}-haloalkyl)carbonyl-C_{1}-C_{6}-alkylthio, (C_{1}-C_{6}-haloalkylthio, (C_{1}-C_{6}-haloalkyl)carbonyl-C_{1}-C_{6}-alkylthio, (C_{1}-C_{6}-haloalkylthio, (C_{1}-C_{6}-haloalkyl)carbonyl-C_{1}-C_{6}-alkylthio, (C_{1}-C_{6}-haloalkoxy)carbonyl-C_{1}-C_{6}-alkylthio, (C_{1}-C_{6}-haloalkylthio, (C_{1}-C_{6}-haloalkylthio, (C_{1}-C_{6}-haloalkylthio, (C_{1}-C_{6}-haloalkylthi$
35	$(C_1-C_6-alkoxy)$ carbonyl- C_1-C_6 -haloalkylthio, $(C_1-C_6-haloalkoxy)$ carbonyl- C_1-C_6 -haloalkylthio, $(C_1-C_6-alkoxy-C_1-C_6-alkyl)$ carbonyl- $C_1-C_6-alkyl$) carbonyl- $C_1-C_6-alkylthio$, $(C_1-C_6-alkoxy-C_1-C_6-haloalkyl)$ carbonyl- $C_1-C_6-al-kylthio$, $(C_1-C_6-alkoxy-C_1-C_6-alkyl)$ carbonyl- $C_1-C_6-alkyl$) carbonyl- $C_1-C_6-alkoxy-C_1-C_6-alkyl)$ carbonyl- $C_1-C_6-haloalkylthio$, $(C_1-C_6-haloalkoxy-C_1-C_6-alkyl)$ carbonyl- $C_1-C_6-alkylthio$, $(C_1-C_6-alkyl)$ carbonyl- $C_1-C_6-alkylthio$
40	$C_6-haloalkylthio, (C_1-C_6-alkoxy-C_1-C_6-haloalkyl)carbonyl-C_1-C_6-haloalkylthio, (C_1-C_6-haloalkylthio, (C_1-C_6-haloalkyl)carbonyl-C_1-C_6-haloalkylthio, (C_1-C_6-alkylthio)carbonyl-C_1-C_6-alkylthio, (C_1-C_6-haloalkylthio)carbonyl-C_1-C_6-alkylthio, (C_1-C_6-haloalkylthio)carbonyl-C_1-C_6-haloalkylthio, (C_1-C_6-alkylthio)carbonyl-C_1-C_6-haloalkylthio, (C_1-C_6-alkylthio)carbonyl-C_1-C_6-haloalkylthio, (C_1-C_6-alkylthio)carbonyl-C_1-C_6-haloalkylthio)carbonyl-C_1-C_6-haloalkylthio, (C_1-C_6-alkylthio)carbonyl-C_1-C_6-haloalkylthio)carbonyl-C_1-C_6-haloalkylthio, (C_1-C_6-alkylthio)carbonyl-C_1-C_6-haloalkylthio)carbonyl-C_1-C_6-haloalkylthio, (C_1-C_6-alkylthio)carbonyl-C_1-C_6-haloalkylthio)carbonyl-C_1-C_6-haloalkylthio, (C_1-C_6-alkylthio)carbonyl-C_1-C_6-haloalkylthio, (C_1-C_6-alkylthio)carbonyl-C_1-C_6-haloalkylthio, (C_1-C_6-alkylthio)carbonyl-C_1-C_6-haloalkylthio, (C_1-C_6-alkylthio)carbonyl-C_1-C_6-haloalkylthio)carbonyl-C_1-C_6-haloalkylthio, (C_1-C_6-alkylthio)carbonyl-C_1-C_6-haloalkylthio)carbonyl-C_1-C_6-haloalkylthio, (C_1-C_6-alkylthio)carbonyl-C_1-C_6-haloalkylthio)carbonyl-C_1-C_6-haloalkylthio, (C_1-C_6-alkylthio)carbonyl-C_1-C_6-haloalkylthio)carbonyl-C_1-C_6-haloalkylthio, (C_1-C_6-alkylthio)carbonyl-C_1-C_6-haloalkylthio)carbonyl-C_1-C_6-haloalkylthio, (C_1-C_6-alkylthio)carbonyl-C_1-C_6-haloalkylthio)carbonyl-C_1-C_6-haloalkylthio, (C_1-C_6-alkylthio)carbonyl-C_1-C_6-haloalkylthio)carbonyl-C_1-C_6-haloalkylthio, (C_1-C_6-alkylthio)carbonyl-C_1-C_6-haloalkylthio)carbonyl-C_1-C_6-haloalkylthio)carbonyl-C_1-C_6-haloalkylthio)carbonyl-C_1-C_6-haloalkylthio, (C_1-C_6-alkylthio)carbonyl-C_1-C_6-haloalkylthio)carbonyl-C_1-C_6-haloalkylthio)carbonyl-C_1-C_6-haloalkylthio)carbonyl-C_1-C_6-haloalkylthio)carbonyl-C_1-C_6-haloalkylthio)carbonyl-C_1-C_6-haloalkylthio)carbonyl-C_1-C_6-haloalkylthio)carbonyl-C_1-C_6-haloalkylthio)carbonyl-C_1-C_6-haloalkylthio)carbonyl-C_1-C_6-haloalkylthio)carbonyl-C_1-C_6-haloalkylthio)carbonyl-C_1-C_6-haloalkylthio)carbonyl-C_1-C_6-haloalkylthio)carbonyl$

	· · -
F	kylthio- C_1 - C_6 -alkyl)carbonyl- C_1 - C_6 -alkylthio, (C_1 - C_6 -haloalkylthio- C_1 - C_6 -alkyl)carbo- nyl- C_1 - C_6 -alkylthio, (C_1 - C_6 -alkylthio- C_1 - C_6 -haloalkyl)carbonyl- C_1 - C_6 -alkylthio, (C_1 - C_6 -haloalkylthio, (C_1 - C_6 -haloalkylthio- C_1 - C_6 -haloal- kyl)carbonyl- C_1 - C_6 -alkylthio, (C_1 - C_6 -haloalkylthio- C_1 - C_6 -haloal- kyl)carbonyl- C_1 - C_6 -alkylthio, (C_1 - C_6 -haloalkylthio- C_1 - C_6 -haloal- kyl)carbonyl- C_1 - C_6 -alkylthio, (C_1 - C_6 -haloalkylthio- C_1 - C_6 -haloal- kyl)carbonyl- C_1 - C_6 -haloal-
5	kylthio, $(C_1-C_6-alkylthio-C_1-C_6-haloalkyl)$ carbonyl- $C_1-C_6-haloalkylthio$, $(C_1-C_6-haloal-kylthio-C_1-C_6-haloalkyl)$ carbonyl- $C_1-C_6-haloalkylthio$, $C_3-C_6-cycloalkylthio$, $C_3-C_6-haloal-cycloalkylthio$, $(C_3-C_6-cycloalkyl)C_1-C_6-alkylthio$, $(C_3-C_6-cycloalkyl)C_1-C_6-haloal-kylthio$, $(C_3-C_6-halocycloalkyl)C_1-C_6-alkylthio$, $(C_3-C_6-halocycloalkyl)C_1-C_6-haloalkyl-thio$, $(C_3-C_6-halocycloalkyl)C_1-C_6-alkylthio$, $(C_3-C_6-halocycloalkyl)C_1-C_6-haloalkyl-thio$, $(C_3-C_6-halocycloalkyl)C_1-C_6-alkylthio$, $(C_3-C_6-halocycloalkyl)C_1-C_6-haloalkyl-thio$, $(C_3-C_6-halocycloalkyl)C_1-C_6-alkylthio$, $(C_3-C_6-halocycloalkyl)C_1-C_6-haloalkyl-thio$, $(C_3-C_6-halocycloalkyl)C_1-C_6-haloalkyl-thio$, $(C_3-C_6-halocycloalkyl)C_1-C_6-haloalkyl-thio$, $(C_3-C_6-halocycloalkyl)C_1-C_6-halocycloalkyl-thio$, $(C_3-C_6-halocycloalkyl-thio)$, $(C_3$
10	alkyl)-aminocarbonyl- C_1 - C_6 -alkylthio, N-(C_1 - C_6 -haloalkyl)-aminocarbonyl- C_1 - C_6 -al- kylthio, N-(C_1 - C_6 -alkyl)-aminocarbonyl- C_1 - C_6 -haloalkylthio, N-(C_1 - C_6 -haloalkyl)-aminocarbonyl- C_1 - C_6 -haloalkylthio, N,N-di(C_1 - C_6 -alkyl)-aminocarbonyl- C_1 - C_6 -alkylthio, N,N-di(C_1 - C_6 -haloalkyl)-aminocarbonyl- C_1 - C_6 -haloalkyl)- aminocarbonyl- C_1 - C_0 -haloalkyl)- aminocarbonyl- C_1 - C_0 -haloalkyl)- aminocarbonyl- C_1 - $C_$
15	kylthio, NH ₂ , (C ₁ -C ₆ -alkyl)amino, hydroxyamino, (C ₁ -C ₆ -alkoxy)amino, (C ₃ -C ₆ -cycloal- koxy)amino, (C ₁ -C ₆ -alkyl)sulfinylamino, (C ₁ -C ₆ -alkyl)sulfonylamino, (amino)sulfinyla- mino, [(C ₁ -C ₆ -alkyl)amino]sulfinylamino, (amino)sulfonylamino, [(C ₁ -C ₆ -alkyl)ami- no]sulfonylamino, [di(C ₁ -C ₆ -alkyl)amino]sulfonylamino, di(C ₁ -C ₆ -alkyl)amino, (hy- droxy)(C ₁ -C ₆ -alkyl)amino, (hydroxy)(C ₁ -C ₆ -cycloalkyl)amino, (C ₁ -C ₆ -alkoxy)(C ₁ -C ₆ -
20	alkyl)amino, $(C_1-C_6-alkoxy)(C_3-C_6-cycloalkyl)amino, (C_3-C_6-cycloalkoxy)(C_1-C_6-al-kyl)amino, (C_3-C_6-cycloalkoxy)(C_3-C_6-cycloalkyl)amino, [(C_1-C_6-alkyl)sulfinyl](C_1-C_6-alkyl)amino, [(C_1-C_6-alkyl)sulfonyl](C_1-C_6-alkyl)amino, [di(C_1-C_6-alkyl)amino]sulfonylamino, phenyloxy, phenyl-C_1-C_6-alkoxy, phenyl-thio, phenyl-C_1-C_6-alkylthio, phenylamino, (C_1-C_6-alkyl)(phenyl)amino, [(C_1-C_6-al-al-$
25	kyl)carbonyl]amino, [(C ₁ -C ₆ -alkyl)carbonyl](C ₁ -C ₆ -alkyl)amino, [(C ₁ -C ₆ -haloalkyl)carbonyl]amino, [(C ₁ -C ₆ -haloalkyl)carbonyl](C ₁ -C ₆ -alkyl)amino, C ₃ -C ₆ -cycloalkylcarbonyl](C ₁ -C ₆ -alkyl)amino, C ₃ -C ₆ -cycloalkylcarbonyl](C ₁ -C ₆ -alkyl)amino, phenylcarbonylamino, (phenylcarbonyl)(C ₁ -C ₆ -alkyl)amino, heterocyclylcarbonylamino, (heterocyclylcarbonyl)(C ₁ -C ₆ -alkyl)amino, heteroarylcarbonylamino, (heteroarylcarbonyl)(C ₁ -C ₆ -alkyl)amino, heteroarylcarbonylamino, (heteroarylcarbonyl)(C ₁ -C ₆ -alkyl)amino, heteroarylcarbonylamino, (heteroarylcarbonyl)(C ₁ -C ₆ -alkyl)
30	kyl)amino, [(C ₁ -C ₆ -alkyl)carbonyl](C ₁ -C ₆ -alkoxy)amino, [(C ₁ -C ₆ -haloalkyl)carbonyl](C ₁ -C ₆ -alkoxy)amino, [(C ₃ -C ₆ -cycloalkyl)carbonyl](C ₁ -C ₆ -alkyloxy)amino, (phenylcarbonyl)(C ₁ -C ₆ -alkoxy)amino, (heterocyclylcarbonyl)(C ₁ -C ₆ -alkoxy)amino, (heteroarylcarbonyl)(C ₁ -C ₆ -alkoxy)amino, [(C ₁ -C ₆ -alkyl)carbonyl](C ₂ -C ₆ -alkenyl)amino, [(C ₁ -C ₆ -cycloalkyl)carbonyl](C ₂ -C ₆ -alkenyl)amino)
35	alkenyl)amino, (phenylcarbonyl)(C ₂ -C ₆ -alkenyl)amino, (heterocyclylcarbonyl)(C ₂ -C ₆ -alkenyl)amino, (heteroarylcarbonyl)(C ₂ -C ₆ -alkenyl)amino, [(C ₁ -C ₆ -alkyl)carbonyl](C ₃ -C ₆ -alkynyl)amino, [(C ₁ -C ₆ -haloalkyl)carbonyl](C ₃ -C ₆ -alkynyl)amino, [(C ₃ -C ₆ -cycloal-kyl)carbonyl](C ₃ -C ₆ -alkynyl)amino, (heterocy-clylcarbonyl)(C ₃ -C ₆ -alkynyl)amino, (heterocy-clylcarbonyl)(C ₃ -C ₆ -alkynyl)amino, [(C ₂ -C ₆ -alkynyl)amino, [(C ₂ -C ₆ -alkynyl)amino, (heterocy-clylcarbonyl)(C ₃ -C ₆ -alkynyl)amino, [(C ₂ -C ₆ -alkynyl)amino, (heterocy-clylcarbonyl)(C ₃ -C ₆ -alkynyl)amino, [(C ₂ -C ₆ -alkynyl)](C ₃ -C ₆ -alkynyl)amino, [(C ₂ -C ₆ -alkynyl)](C ₃ -C ₆ -alkynyl)amino, [(C ₂ -C ₆ -alkynyl)](C ₃ -C ₆ -alkynyl
40	C_6 -alkenyl)carbonyl]amino, [(C_2 - C_6 -alkenyl)carbonyl](C_1 - C_6 -alkyl)amino, [(C_2 - C_6 -alkenyl)carbonyl](C_1 - C_6 -alkoxy)amino, [(C_3 - C_6 -alkynyl)carbonyl]amino, [(C_3 - C_6 -alkynyl)carbonyl](C_1 - C_6 -alkyl)amino, [(C_3 - C_6 -alkynyl)carbonyl](C_1 - C_6 -alkyl)amino, [(C_3 - C_6 -alkynyl)carbonyl](C_1 - C_6 -alkyl)amino, [(C_3 - C_6 -alkynyl)carbonyl](C_1 - C_6 -alkyl)amino, [(C_3 - C_6 -alkynyl)carbonyl](C_1 - C_6 -alkyl)amino, [(C_3 - C_6 -alkynyl)carbonyl](C_1 - C_6 -alkyl)amino, [(C_3 - C_6 -alkynyl)carbonyl](C_1 - C_6 -alkyl)amino, [(C_3 - C_6 -alkynyl)carbonyl](C_1 - C_6 -alkyl)amino, [(C_3 - C_6 -alkynyl)carbonyl](C_1 - C_6 -alkyl)amino, [(C_3 - C_6 -alkynyl)carbonyl](C_1 - C_6 -alkyl)amino, [(C_3 - C_6 -alkynyl)carbonyl](C_1 - C_6 -alkyl)amino, [(C_3 - C_6 -alkynyl)carbonyl](C_1 - C_6 -alkyl)amino, [(C_3 - C_6 -alkynyl)carbonyl](C_1 - C_6 -alkyl)amino, [(C_3 - C_6 -alkynyl)carbonyl](C_1 - C_6 -alkyl)amino, [(C_3 - C_6 -alkynyl)carbonyl](C_1 - C_6 -alkyl)amino, [(C_3 - C_6 -alkynyl)carbonyl](C_1 - C_6 -alkyl)amino, [(C_3 - C_6 -alkynyl)carbonyl](C_1 - C_6 -alkyl)amino, [(C_3 - C_6 -alkynyl)carbonyl](C_1 - C_6 -alkyl)amino, [(C_3 - C_6 -alkynyl)carbonyl](C_1 - C_6 -alkyl)amino, [(C_3 - C_6 -alkynyl)carbonyl](C_1 - C_6 -alkynyl)amino, [(C_3 - C_6 -alkynyl)carbonyl](C_1 - C_6 -alkynyl)amino, [(C_1 - C_6 -alkynyl)amino, [(C_1 - C_6 -alkynyl)amino, [(C_1 - C_6 - C_6 -alkynyl)amino, [(C_1 - C_6 - C

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	k <u>y</u> e whe	li(C ₁ -C ₆ -alkyl)amino]carbonylan yl)amino, [di(C ₁ -C ₆ -alkyl)aminoc roaryl-C ₁ -C ₆ -alkoxy, (heterocycl rein the cyclic groups of R ² are	arbonyl](C ₁ -C ₆ -alkoxy)a yl)oxy, or heterocyclyl-C unsubstituted or substit	amino, (heteroaryl)oxy, het- C1-C6-alkoxy;
5		a 9 or 10 membered bicyclic ri C*, CR ³ , NR ^{3A} , N, O, or S;	ng comprising A;	
		a bridge carbon of the bicyclic	-	
		halogen, CN, CHO, NO ₂ , C ₁ -C		
10	h: h: C (0	lkenyl, C ₂ -C ₆ -haloalkenyl, C ₂ -C ₆ aloalkoxy, C ₃ -C ₆ -alkenyloxy, C aloalkenyloxy, C ₁ -C ₆ -alkoxy-C ₁ - ₁ -C ₆ -alkylthio, C ₁ -C ₆ -haloalkylth C ₁ -C ₆ -alkyl)sulfinyl, (C ₁ -C ₆ -alkyl) henyl;	3-C6-haloalkenyloxy, C C6-alkoxy, hydroxycarb io, NH2, (C1-C6-alkyl)an	$_{3}$ -C ₆ -alkenyloxy, C ₃ -C ₆ - onyl, C ₁ -C ₆ -alkoxycarbonyl, nino, di(C ₁ -C ₆ -alkyl)amino,
15	•	rein the cyclic groups of R ³ are	unsubstituted or substitu	uted by substituents R ^a ;
	ki a	H, C_1 - C_6 -alkyl, C_1 - C_6 -haloalkyl enyl, C_2 - C_6 -alkenyl, C_2 - C_6 -haloa kenyloxy, C_3 - C_6 -haloalkenylox koxy- C_1 - C_6 -alkoxy, hydroxycarl	alkenyl, C ₁ -C ₆ -alkoxy, C y, C ₃ -C ₆ -alkenyloxy, C	1-C ₆ -haloalkoxy, C ₃ -C ₆ - 3-C ₆ -haloalkenyloxy, C1-C ₆ -
20	(0	aloalkylthio, NH ₂ , (C ₁ -C ₆ -alkyl)a C ₁ -C ₆ -alkyl)sulfonyl, C ₃ -C ₆ -cyclc wherein the cyclic groups of R ³	alkyl, (C ₃ -C ₆ -cycloalkyl)	oxy, or phenyl;
		halogen, CN, CHO, NO ₂ , C ₁ -C		•
05		kenyl, C ₂ -C ₆ -haloalkenyl, C ₂ -C ₆	•	
25	h. C (0	aloalkoxy, C ₃ -C ₆ -alkenyloxy, C aloalkenyloxy, C ₁ -C ₆ -alkoxy-C ₁ - ₁ -C ₆ -alkylthio, C ₁ -C ₆ -haloalkylth C ₁ -C ₆ -alkyl)sulfinyl, (C ₁ -C ₆ -alkyl) henyl;	C ₆ -alkoxy, hydroxycarb io, NH ₂ , (C ₁ -C ₆ -alkyl)an	onyl, C ₁ -C ₆ -alkoxycarbonyl, nino, di(C ₁ -C ₆ -alkyl)amino,
30	•	rein the cyclic groups of R ⁴ are	unsubstituted or substit	uted by Rª;
	R	haloalkoxy;	s-alkyl, C₁-C₀-haloalkyl,	C_1 - C_6 -alkoxy, or C_1 - C_6 -
		0, 1, 2, or 3; d that if ring 7 is upsubstituted.	panhthalana mis 1.2	or 2.
35	and agi	d that if ring Z is unsubstituted riculturally acceptable salts or d unctionality.	•	
		imidine compounds of formula	(I) according to claim 1,	wherein the bicyclic ring Z
	is selec	ted from rings A to O,		

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wherein

- Y is a 5- or 6-membered partially or fully unsaturated carbocycle comprising 0, 1, 2, or 3 heteroatoms selected from O, N, and S;
- R^3 is halogen, CN, C₁-C₆-alkyl, C₁-C₆-haloalkyl, or C₁-C₆-alkoxy;
- m is 0, 1 or 2;
- R^4 is halogen, CN, C₁-C₆-alkyl, C₁-C₆-haloalkyl, or C₁-C₆-alkoxy;
- X is O, S, or NR^{3A};
- # denotes the point of attachment to the pyrimidine ring.

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- 3. The pyrimidine compounds of formula (I) according to claim 1 to 2, wherein R¹ is C₁-C₆- alkyl, C₁-C₆-alkoxy, C₁-C₆-haloalkoxy, C₃-C₆-alkenyloxy, C₃-C₆-haloalkenyloxy, C₃-C₆- alkynyloxy, C₃-C₆-haloalkynyloxy, C₁-C₆-alkylthio, or C₃-C₆-cycloalkyl, wherein the cycloalkyl substituent is unsubstituted.
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4. The pyrimidine compounds of formula (I) according to any of claims 1 to 3, wherein R² is OH, C₁-C₆-alkoxy, C₁-C₆-haloalkoxy, C₃-C₆-alkynyloxy, C₁-C₆-alkylthio, phenyloxy, C₁-C₆-alkyl-carbonylamino, C₁-C₆-haloalkylcarbonylamino, phenylcarbonylamino, heterocyclyl-carbonylamino, heteroarylcarbonylamino, (C₁-C₆-alkoxy)amino, (C₁-C₆-alkoxy)(C₁-C₆-alkyl)amino, hydroxy(C₁-C₆-alkyl)amino, hydroxyamino, or phenyl-C₁-C₆-alkoxy, wherein the phenyl substituent is unsubstituted or substituted by R^a;

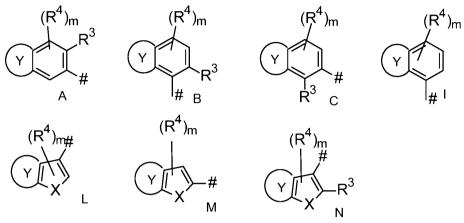
R^a is halogen, CN, NO₂, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-alkoxy, or C₁-C₆-haloalkoxy.

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- 5. The pyrimidine compounds of formula (I) according to any of claims 1 to 4, wherein
 - R¹ is C₁-C₆-alkyl, or C₃-C₆-cycloalkyl, wherein the cycloalkyl substituent is unsubstituted;
- 5

 R^2 is OH or C₁-C₆-alkoxy;

Z is selected from rings A, B, C, I, L, M, and N



wherein

- Y is a 5- or 6-membered partially or fully unsaturated carbocyle comprising 0, 1, 2, or 3 oxygen atoms;
- R^3 is halogen, C₁-C₆-alkyl, or C₁-C₆-alkoxy;
- m is 0, 1 or 2;
- R^4 is halogen, C₁-C₆-alkyl, or C₁-C₆-alkoxy;
- X is O, S, or NR^{3A} ;

 R^{3A} is H, C₁-C₆-alkyl, or C₃-C₆-cycloalkyl;

- # denotes the point of attachment to the pyrimidine ring.
- 6. A use of pyrimidine compounds of formula (I), including agriculturally acceptable salts or derivatives of compounds of formula (I) having an acidic functionality, as defined in any of claims 1 to 5, as herbicide.
- 7. A herbicidal compositions comprising:
 - A) at least one pyridmidine compound of formula I, including agriculturally acceptable salts or derivatives of compounds of formula (I) having an acidic functionality, according to any of claims 1 to 5;

and

- B) herbicides of class b1) to b15):
 - b1) lipid biosynthesis inhibitors;
 - b2) acetolactate synthase inhibitors (ALS inhibitors);
 - b3) photosynthesis inhibitors;
 - b4) protoporphyrinogen-IX oxidase inhibitors,
 - b5) bleacher herbicides;
 - b6) enolpyruvyl shikimate 3-phosphate synthase inhibitors (EPSP inhibitors);
 - b7) glutamine synthetase inhibitors;

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		b8)	7,8-dihydropteroate synthase inhibitors (DH	IP inhibitors);
		b9)	mitosis inhibitors;	
		b10)	inhibitors of the synthesis of very long chair	۱ fatty acids (VLCFA inhibi-
			tors);	
5		b11)	cellulose biosynthesis inhibitors;	
			decoupler herbicides;	
		b13)	auxinic herbicides;	
		b14)	auxin transport inhibitors; and	
		b15)	other herbicides selected from the group co	onsisting of bromobutide,
10			chlorflurenol, chlorflurenol-methyl, cinmethy	•
			omet, difenzoquat, difenzoquat-metilsulfate	
			endothal and its salts, etobenzanid, flampro	
			prop-methyl, flamprop-M-isopropyl, flampro	•
. –			butyl, flurprimidol, fosamine, fosamine-amm	
15			flam, maleic hydrazide, mefluidide, metam,	,
			27-7), methyl azide, methyl bromide, methy	
			MSMA, oleic acid, oxaziclomefone, pelargo	
			lamine, triaziflam, tridiphane and 6-chloro-3	
20		including th	noxy)-4-pyridazinol, and its salts and esters neir agriculturally acceptable salts or derivativ	
20				vcs.
	8.	A composition co	omprising the composition according to claim	17, and safeners.
	9.	The composition	according to any of claims 7 to 8, wherein th	ne composition comprises at
25		least one herbici	de B selected from herbicides of class b1, b2	2, b3, b4, b5, b6, b9, b10,
		b13, and b14.		
	4.0	_		
	10.	•	according to any of claims 7 to 8, wherein the	
30		b14.	de B selected from herbicides of class b1, b2	2, 04, 05, 09, 010, 013, and
30		014.		
	11.	The composition	according to any of claim 7 to 10, wherein the	he weight ratio of component
		A to component	B is in the range of from 1:500 to 500:1.	
35	12.		position comprising a herbicidal active amou	
		•	mula (I), including agriculturally acceptable s	
		·	rmula (I) having an acidic functionality, acco	• •
		active substance	inert liquid and/or solid carrier and, if approp	mate, at least one sundce-
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13. A herbicidal composition comprising a composition according to any of claims 7 to 11, and at least one inert liquid and/or solid carrier and, if appropriate, at least one surface-active substance.

- 14. A method of controlling undesired vegetation, which comprises allowing a herbicidal active amount of at least one pyrimidine compound of formula (I), agriculturally acceptable salts or derivatives of compounds of formula (I) having an acidic functionality, according to any of claims 1 to 5 or the composition according to any of claims claim 7 to 13 to act on plants, their environment or on seed.
- 15. A use of the compositions according to any of claims 7 to 13 as herbicides.