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Published:

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— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

(88) Date of publication of the international search report:
23 June 2011

(15) Information about Correction:

Previous Correction:
see Notice of 20 January 2011

(54) Title: METHOD OF CONTROLLING SOIL INSECTS

(57) Abstract: The present invention relates to an insecticidal granular composition, comprising (a) at least one insecticide, selected from the group consisting of an enaminocarbonyl compound, a neonicotinoid, a tetronic acid derivative or a tetramic acid derivative compound, a carbamate compound, an organophosphate compound, a diamide compound, a pyrethroid compound and flonicamid; (b) optionally at least one moisture-retaining agent; and (c) vegetable meal.

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INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2009/006161

A. CLASSIFICATION OF SUBJECT MATTER
INV. A01N25/00 A01N43/40 A01N47/02 A01N47/40 A01N51/00
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
A01N A01M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, BIOSIS, CHEM ABS Data, EMBASE, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 232 940 A (HATTON LESLIE ROY [GB] ET AL) 3 August 1993 (1993-08-03) page 10, column 20, lines 53-62 page 15; example 8 page 17; example 20 page 19; example 26	1-17
A	US 5 705 176 A (STAPLETON BILLY J [US] ET AL) 6 January 1998 (1998-01-06) column 2, line 61 - column 3, line 7 column 5, lines 31-41	1-17
X Y	US 2005/020640 A1 (GAULLIARD JEAN-MICHAEL [FR] ET AL) 27 January 2005 (2005-01-27) cited in the application pages 3-4; examples 1-3 pages 4-5; claims 1-7 page 2, paragraphs 33, 34, 41-43, 47, 48	1,3,8-17 2,4-7

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[X] Further documents are listed in the continuation of Box C.

[X] See patent family annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

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"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
18 April 2011	28/04/2011

Name and mailing address of the ISA/	Authorized officer
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Form PCT/ISA/210 (second sheet) (April 2005)

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/015513 A1 (GROTECH AUSTRALIA PTY LTD [AU]; FLYNN ANTHONY GERARD [AU]; PENTLAND PH) 27 February 2003 (2003-02-27)	1,8,9,16
Y	pages 34-35; claims 1-7 pages 18-19; examples 12,13	2-7, 10-15,17

X	US 2003/215481 A1 (BORCHERT ET AL) 20 November 2003 (2003-11-20)	1,8,9,16
Y	page 4, paragraph 6 page 7; claim 4	2-7, 10-15,17

X	WO 98/07315 A1 (US AGRICULTURE [US]; BIOTECHNOLOGY RES & DEV [US]) 26 February 1998 (1998-02-26)	1,8,9,16
Y	pages 13-14; claims 1-26	2-7, 10-15,17

Y	WO 2007/115643 A1 (BAYER CROPSCIENCE AG [DE]; JESCHKE PETER [DE]; VELTEN ROBERT [DE]; SCH) 18 October 2007 (2007-10-18) page 59, paragraph 2	1-7, 10-17

Y	US 6 559 175 B1 (HOLMES KEITH A [US]) 6 May 2003 (2003-05-06) column 1, paragraph 3	1-7, 10-17

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/EP2009/006161

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5232940 A	03-08-1993	NONE	
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US 6559175 B1	06-05-2003	NONE	

INTERNATIONAL SEARCH REPORT

International application No.
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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.

3. ☒ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

5-9(completely); 1-4, 10-17(partially)

4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.

☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.

☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 5-7(completely); 1-4, 10-17(partially)

Insecticidal granular composition, comprising (a) an enaminocarbonyl compound; (b) optionally at least one moisture-retaining agent; and (c) vegetable meal.
Method of controlling insects, characterized in that an effective quantity of the above composition in the form of granules having a size of between 0.1 mm and 3 cm is applied over or into the soil of the area which has to be cultivated.
Use of the composition for controlling insects.

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2. claims: 8, 9(completely); 1-4, 10-17(partially)

Insecticidal granular composition, comprising (a) a neonicotinoid compound (including flonicamid); (b) optionally at least one moisture-retaining agent; and (c) vegetable meal.
Method of controlling insects, characterized in that an effective quantity of the above composition in the form of granules having a size of between 0.1 mm and 3 cm is applied over or into the soil of the area which has to be cultivated.
Use of the composition for controlling insects.

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3. claims: 1-4, 10-17(all partially)

Insecticidal granular composition, comprising (a) a tetronic acid or tetramic acid derivative compound; (b) optionally at least one moisture-retaining agent; and (c) vegetable meal.
Method of controlling insects, characterized in that an effective quantity of the above composition in the form of granules having a size of between 0.1 mm and 3 cm is applied over or into the soil of the area which has to be cultivated.
Use of the composition for controlling insects.

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4. claims: 1-4, 10-17(all partially)

Insecticidal granular composition, comprising (a) a carbamate compound; (b) optionally at least one moisture-retaining agent; and (c) vegetable meal.
Method of controlling insects, characterized in that an effective quantity of the above composition in the form of granules having a size of between 0.1 mm and 3 cm is applied over or into the soil of the area which has to be cultivated.
Use of the composition for controlling insects.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

5. claims: 1-4, 10-17(all partially)

Insecticidal granular composition, comprising (a) an organophosphate compound; (b) optionally at least one moisture-retaining agent; and (c) vegetable meal.
Method of controlling insects, characterized in that an effective quantity of the above composition in the form of granules having a size of between 0.1 mm and 3 cm is applied over or into the soil of the area which has to be cultivated.
Use of the composition for controlling insects.

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6. claims: 1-4, 10-17(all partially)

Insecticidal granular composition, comprising (a) an diamide compound; (b) optionally at least one moisture-retaining agent; and (c) vegetable meal.
Method of controlling insects, characterized in that an effective quantity of the above composition in the form of granules having a size of between 0.1 mm and 3 cm is applied over or into the soil of the area which has to be cultivated.
Use of the composition for controlling insects.

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7. claims: 1-4, 10-17(all partially)

Insecticidal granular composition, comprising (a) a pyrethroid compound; (b) optionally at least one moisture-retaining agent; and (c) vegetable meal.
Method of controlling insects, characterized in that an effective quantity of the above composition in the form of granules having a size of between 0.1 mm and 3 cm is applied over or into the soil of the area which has to be cultivated.
Use of the composition for controlling insects.
