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(54) Title: METHODS OF CONTROLLING INSECTS

(57) Abstract: Methods of controlling insects include applying at least one spinosyn compound to a locus of a neonicotinoid resistant insect, such as a strain of *Drosophila melanogaster* resistant to a neonicotinoid compound. The spinosyn compound may be a mixture of spinosyn A and spinosyn D. The spinosyn compound may cause up to approximately ten times increased mortality in the neonicotinoid resistant insect compared to an insect susceptible to a neonicotinoid compound.



A. CLASSIFICATION OF SUBJECT MATTER*A01N 43/22(2006.01)i, A01N 25/00(2006.01)i, A01P 7/04(2006.01)i, A01P 17/00(2006.01)i*

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 43/22; A61K 31/365; A01N 37/28; A61K 31/351; A01N 45/02; A01N 43/00; A01N 43/02; A01N 43/40

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: spinosyn, neonicotinoid

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6583088 B1 (ANDERSCH; WOLFRAM) 24 June 2003 See abstract; columns 8-11; whole claims.	1-19
A	CA 2382806 A1 (JOHNSON & JOHNSON CONSUMER COMPANIES, INC.) 25 October 2002 See abstract; pages 2,5,7-8,12.	1-19
A	WO 03-024223 A1 (ELI LILLY AND COMPANY LIMITED et al.) 27 March 2003 See abstract; pages 4-9; whole claims.	1-19
A	US 2004-0176424 A1 (RICHARD MARK SANDEMAN et al.) 09 September 2004 See abstract; paragraphs [0107],[0200]-[0209]; claims 18,19,25.	1-19



Further documents are listed in the continuation of Box C.



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INTERNATIONAL SEARCH REPORT

Information on patent family members

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