

INFORME DE BÚSQUEDA DE PATENTES				
N° de solicitud: NC20170007038				
CRITERIOS PARA LA BÚSQUEDA (Anexar pantallazo o reporte en PDF, junto con los boléanos utilizados*. Para el caso de secuencias, anexar alineamientos)				
PALABRAS CLAVE UTILIZADAS		(aizawai 5w kurstaki) AND (formulations or biopesticides or biological agent or compositions) and (insecticide or pesticide)		
CLASIFICACIONES UTILIZADAS PARA LA BÚSQUEDA		CIP:		
		CPC:		
DOCUMENTOS CONSIDERADOS RELEVANTES (documentos patentes, literatura no patente, etc...)				
Informes/Base de datos	N° de solicitud/ Autor**	Fecha de Publicación/ Presentación (DD/MM/AAAA)	Reiv. afectadas (Con indicación, si procede, de las partes relevantes o números de secuencias)	Categorías especiales de los documentos citados***
SIPI				
ISA/IPEA (****) EPO	Gomez-Diaz <i>et al.</i> Ivey W. Paul <i>et al.</i>	30/06/2000 30/09/1997	20 20	Y Y
USPTO				
JPO				
KIPO				
Patbase*				
Google scholar				
Google Patents				
STN				
*** Categorías especiales de documentos citados:				
“A” documento que define el estado general de la técnica no considerado como particularmente relevante. “E” solicitud de patente o patente anterior pero publicada en la fecha de presentación internacional o en fecha posterior. “P” documento publicado antes de la fecha de presentación internacional pero con posterioridad a la fecha de prioridad reivindicada.		“X” documento particularmente relevante; la invención reivindicada no puede considerarse nueva o que implique una actividad inventiva por referencia al documento aisladamente considerado. “Y” documento particularmente relevante; la invención reivindicada no puede considerarse que implique una actividad inventiva cuando el documento se asocia a otro u otros documentos de la misma naturaleza, cuya combinación resulta evidente para un experto en la materia.		
**** Indicar entre paréntesis la Autoridad que realizó la búsqueda o el informe preliminar Ejs: EPO, JP, INAPI.				

Literatura no patente **Se incluye entre otros, toda la referencia de la literatura no patente.	*Gomez-Diaz <i>et al.</i> <i>Susceptibility of Plutella xylostella (L.) (Lepidoptera: Plutellidae) Populations in Mexico to Commercial Formulations of Bacillus thuringiensis Journal of Economic Entomology</i> , 93(3):963-970. **Ivey W. Paul y Johnson J. Seth. <i>Efficacy of Bacillus thuringiensis and Cabbage Cultivar Resistance to Diamondback Moth (Lepidoptera: Yponomeutidae) Florida Entomologist</i> 80(3)
---	--

Fecha del reporte de búsqueda:	24 de octubre de 2018
--------------------------------	-----------------------

STN® ProjectsWorking On – Untitled5

Welcome, Juan Nicolas Tarquino ChiaLayoutSettingsSTN HelpContact UsSign Out

CAplus, REGISTRY

L2 AND L5

Submit

QUERIES (6)STRUCTURES (0)SAVED (0)

Expand AllCollapse All

L1

("aizawai" (5w) "kurstaki")/B1

CAplus, REGISTRY

L2

("aizawai" (xA) "kurstaki")/B1

CAplus, REGISTRY

L3

("formulation" or "formulations" or "mix")/B1 or ("Agr...

CAplus, REGISTRY

L4

L2 AND L3

CAplus, REGISTRY

L5

("PLUTELLA")/B1

CAplus, REGISTRY

L6

L2 AND L5

CAplus, REGISTRY33

CAplus, REGISTRY39

L6

COUNTSRESULTS

CAplus (33)REGISTRY (39)

17 filters (22)Remove FiltersUpdate Query

Get Substances

View: ExtendedSort by: Accession NumberDisplay: 2

1.

Journal 2014 Evaluation of toxicity and cotoxicity of biopesticides against diamondback moth, **Plutella xylostella** (L.)

Sontakke, Pritin P. • Behere, G. T. • Firake, D. M. • Thubru, D. P.
Central Agricultural University, College of Post Graduate Studies, Meghalaya 793 103, India (IN)
Journal of Biopesticides (2014), 7(1), pp. 90-97 *In English*
URL: http://www.jbiopest.com/users/LW8/efiles/vol_7_1_90-97.pdf
2015:81038

Abstract

In India, the diamondback moth, **Plutella xylostella** L. (Lepidoptera: Plutellidae), is an important pest of cruciferous vegetables and causes severe economic losses. This pest has ability to evolve resistance in lab. and field to almost all groups of synthetic insecticides. Despite of these, management with synthetic insecticides has been considered to be the easy and favorable option by farmers in India which indeed increase the cost of cultivation and obviously reduce the actual net profit. The use of microbial and botanical pesticides are also available in the market and they are relatively cheap. These pesticides are eco-friendly and the residual toxicity is extremely low. In this study, we have evaluated the in vitro toxicity and co-toxicity of different groups of microbial and botanical pesticides on the field derived population of *P. xylostella* using leaf dip bioassay. Among microbial pesticides *Bacillus thuringiensis* subsp. **kurstaki** was found to be very effective than MWP II (Cry1Ac) and Xentari (*Bacillus thuringiensis* subsp. **aizawai**). Anosom (1% EC) was found to be most effective against *P. xylostella* among botanicals as evidenced from lowest LC50 value of only 0.1 ppm. Being a botanical pesticide, Anosom (1% EC) could be used as a substitute to synthetic insecticides in integrated management of *P. xylostella*. Co-toxicity of pesticides against second instars larvae of *P. xylostella* was assessed using binary mixt. of two botanical pesticides at three different combinations (1:1, 1:2 and 2:1 ratio) and found that all the combinations show synergistic effect against diamondback moth. Objective of present research is to investigate toxicity and co-toxicity of botanical and microbial pesticides against diamondback moth so that it could be used as substitute to chem. pesticide for integrated management of diamondback moth.

2.

Journal 2006 Susceptibility of diamondback moth, **Plutella xylostella** (L.) (Lepidoptera: Plutellidae), from collar fields in South Carolina to *Bacillus thuringiensis*

Khan, Mohamed F. R. • Griffin, Randy P. • Carner, Gerald R. • Gorsuch, Clyde S.
North Dakota State University & University of Minnesota, Department of Plant Pathology, Fargo, North Dakota (ND) 58104, United States (US)
Journal of Agricultural and Urban Entomology (2006), Volume Date: 2005, 22(1), pp. 19-26 *In English*
2007:210467 (DN 146:436528)

Abstract

Three colonies of diamondback moth, **Plutella xylostella** (L.), were evaluated using leaf dip bioassays, for resistance to *Bacillus thuringiensis* subspecies **kurstaki**. *B. thuringiensis* subspecies **aizawai**, Cry1Ac, Cry1Ca; and a mixt. of Cry1Ac and Cry1Ca delta endotoxins. Lab-MJ was a known susceptible colony obtained from USDA-ARS lab., Charleston Lab-WR and Lab-CR colonies were obtained from collar fields at Walter Rawl and Sons Farm in August 1997 and Clayton Rawl's Farm in August 1998, resp., in Lexington County, South Carolina, where com. *B. thuringiensis* products were not effective at controlling high populations of *P. xylostella*. Five-day-old, 3rd instar, *P. xylostella* were fed collard (*Brassica oleracea* var. *acephala* de Condolle) leaf disks dipped in different concns. of *B. thuringiensis* delta-endotoxins, and mortality was recorded after 48 h exposure. Median lethal concns. (LC50) and their corresponding 95% fiducial limits (FL) were estd. Resistance ratios were detd. to assess changes in the levels of susceptibility of *P. xylostella* colonies to known delta-endotoxin(s) over time. Lab-WR colony, when compared to the known susceptible Lab-MJ colony, was 367-fold resistant to *B. thuringiensis* subspecies **kurstaki**, 163-fold-resistant to the mixt. of Cry1Ac and Cry1Ca delta endotoxins, and 38-fold resistant to *B. thuringiensis* subspecies **aizawai**. Lab-CR colony, when compared to the known susceptible Lab-MJ colony, was 346-fold resistant to Cry1Ac, 17-fold resistant to Cry1Ca, and 16-fold resistant to *B. thuringiensis* subspecies **aizawai**.

Artículos

Aproximadamente 423 resultados (0,08 s)

Cualquier momento

Desde 2018

Desde 2017

Desde 2014

Intervalo específico...

— 2014

Buscar

Ordenar por relevancia

Ordenar por fecha

Cualquier idioma

Buscar sólo páginas en español

☒ incluir patentes

☐ incluir citas

☒ Crear alerta

Sugerencia: Buscar solo resultados en español. Puedes especificar el idioma de búsqueda en Configuración de Google Académico..

***Bacillus thuringiensis*: a century of research, development and commercial applications**

[PDF] wiley.com

G Sanahuja, R Banakar, RM Twyman... - Plant biotechnology ..., 2011 - Wiley Online Library

... Florbac, **Agree**, Design, Xentari, **aizawai**, Lepidoptera ... israelensis has been applied to water courses and stagnant pools to prevent the spread of malaria (Margallith ... performance, eg products with the bacteria suspended in ice chips, or **formulations** including **Bacillus** sphaericus ...

☆ 99 Citado por 453 Artículos relacionados Las 12 versiones

***Bacillus thuringiensis* and its pesticidal crystal proteins**

[PDF] asm.org

E Schnepf, NV Crickmore, J Van Rie... - Microbiology and ..., 1998 - Am Soc Microbiol

☆ 99 Citado por 3319 Artículos relacionados Las 21 versiones

INVITATION PAPER (CP ALEXANDER FUND): HISTORY OF ***BACILLUS THURINGIENSIS*** BERLINER RESEARCH AND DEVELOPMENT

CC Beegle, T Yamamoto - The Canadian Entomologist, 1992 - cambridge.org

... The worldwide market for israelensis-based products is probably about \$10 million US In 1962, Keio **Aizawa** (Fig ... Sandoz recognized that empty niche and developed their product Certan, based on an **aizawai** isolate, for control of *G. mellonella* larvae in honey comb ...

☆ 99 Citado por 292 Artículos relacionados Las 7 versiones

Toxicity of ***Bacillus thuringiensis*** strains and commercial **formulations** to the diamondback moth, *Plutella xylostella* (L.)

M Mohan, GT Gujar - Crop Protection, 2001 - Elsevier

... Table 4. Toxicity of commercial **formulations** of ***Bacillus thuringiensis*** to *Plutella xylostella* ... Further, the earlier studies by de Barjac (1978) with *Bt israelensis*, did not show any toxicity to ... (1993) reported LC 50 values of 1.1, 1.3 and 7.2 ppm for *Bt aizawai* **formulations** NB200 FC ...

☆ 99 Citado por 38 Artículos relacionados Las 2 versiones

#	Search query	Results	
7	5 and 6	16	View
6	IC=((A01N63/02) OR (C07K14/325) or (C12P1/04))	12786	View
5	3 and 4	155	View
4	PD<20150116	more than 1,000,000	View
3	1 and 2	248	View
2	FT=(biological agent*)	17511	View
1	FT=(aizawai w10 kurstaki)	960	View

Titulo/Denominación		alzawal and kurstaki	
Referencia del solicitante		Tipo de solicitud	
Fecha de radicación		Estado(s)	
Decision Date_ES		Seleccionar	
Solicitante/Titular		Contacto de la solicitud	
Buscar		Buscar	
Con/Sin Oposición		Examinador Principal	
		Seleccionar	
		Número de Resolución	
Buscar		Limpiar	

Casos asociados

Número de solicitud	Tipo de solicitud	Título/Denominación	Etiqueta	Fecha de radicación	Estado(s)	Examinador Principal	Titular
 NC2017/0007038	Patente PCT	MEZCLAS SINÉRGICAS BACILLUS THURINGIENSIS SUBESPECIE AIZAWAI Y BACILLUS THURINGIENSIS SUBESPECIE KURSTAKI PARA EL CONTROL DE LA POLILLA DORSO DE DIAMANTE, LA ORUGA MILITAR DE LA REMOLACHA, EL BARRENADOR DE LA CAÑA DE AZÚCAR, LA FALSA MEDIDORA DE LA SOJA, EL GUSANO DE LA MAZORCA DE MAÍZ, EL GUSANO FALSO MEDIDOR DE LA COL Y EL BARRENADOR DEL MAÍZ DEL SUDOESTE Y MÉTODOS DE LAS MISMAS		13 jul 2017	Bajo Examen de Fondo	JUAN NICOLAS TARQUINO CHIA	VALENT BIOSCIENCES LLC
 NC2017/0007120	Patente PCT	FORMULACIONES COMBINADAS DE BACILLUS THURINGIENSIS SUBESPECIE KURSTAKI Y BACILLUS THURINGIENSIS SUBESPECIE AIZAWAI		17 jul 2017	Bajo Examen de Fondo	JUAN NICOLAS TARQUINO CHIA	VALENT BIOSCIENCES LLC
Seleccionar todo - Ninguno Mostrar / Ocultar columnas							