

Insecticide resistance in *Helicoverpa armigera* in South Africa

Pest Management Science

34, 355-364

DOI: [10.1002/ps.2780340409](https://doi.org/10.1002/ps.2780340409)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Resistance to insecticides in the cotton bollworm, <i>Helicoverpa armigera</i> Hubner from cotton-growing regions of Andhra Pradesh, India. <i>International Journal of Tropical Insect Science</i> , 1994, 15, 507-511.	1.0	0
2	Effects of droplet size on the topical toxicity of two pyrethroids to the cabbage looper <i>Trichoplusia ni</i> (Hübner). <i>Crop Protection</i> , 1994, 13, 225-229.	2.1	10
3	Diapause, migration and pyrethroid-resistance dynamics in the cotton bollworm, <i>Helicoverpa armigera</i> (Lepidoptera: Noctuidae). <i>Ecological Entomology</i> , 1995, 20, 333-342.	2.2	45
4	Alterations in protein metabolism in selected tissues of fish, <i>Cyprinus carpio</i> , during sublethal concentration of cypermethrin. <i>Environmental Monitoring and Assessment</i> , 1995, 36, 183-190.	2.7	9
5	Growth inhibition of the cotton bollworm (<i>Helicoverpa armigera</i>) larvae by caffeoylquinic acids from the wild groundnut, <i>Arachis paraguariensis</i> . <i>International Journal of Tropical Insect Science</i> , 1995, 16, 363-368.	1.0	3
6	Management of <i>Helicoverpa armigera</i> (Lepidoptera: Noctuidae) on chickpea in southern India: thresholds and the economics of host plant resistance and insecticide application. <i>Crop Protection</i> , 1995, 14, 37-46.	2.1	17
7	Comparative status of insecticide resistance in the <i>Helicoverpa</i> and <i>Heliothis</i> species (Lepidoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.0	15
8	A survey of insecticide resistance in <i>Helicoverpa armigera</i> in the Indian subcontinent. <i>Bulletin of Entomological Research</i> , 1996, 86, 499-514.	1.0	135
9	Evaluation of Neem (<i>Azadirachta indica</i> A. Juss) Extracts against American Bollworm, <i>Helicoverpa armigera</i> (Hubner). <i>Journal of Agricultural and Food Chemistry</i> , 1997, 45, 3262-3268.	5.2	32
10	Insecticide resistance in <i>Plutella xylostella</i> (L.) (Lepidoptera: Yponomeutidae) in the Federal District, Brazil. <i>Neotropical Entomology</i> , 1997, 26, 75-79.	0.2	28
11	Roles of Oxalic and Malic Acids in Chickpea Trichome Exudate in Host-Plant Resistance to <i>Helicoverpa armigera</i> . <i>Journal of Chemical Ecology</i> , 1997, 23, 1195-1210.	1.8	37
12	Seasonal Dynamics of Metabolic Mechanisms Mediating Pyrethroid Resistance in <i>Helicoverpa armigera</i> in Central India. <i>Pest Management Science</i> , 1997, 50, 91-98.	0.4	46
13	Persistence of Quinalphos and Occurrence of Its Primary Metabolite in Soils. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1998, 60, 724-731.	2.7	25
14	Resistance to insecticides in Heliothine Lepidoptera: a global view. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1998, 353, 1735-1750.	4.0	167
15	Estimated crop losses due to pathogens, animal pests and weeds. , 1999, , 72-741.		13
16	Laboratory and field studies on the integrated pest management of <i>Helicoverpa armigera</i> (Hubner) in cotton, based on pheromone trap catch threshold level. <i>Journal of Applied Entomology</i> , 2000, 124, 213-221.	1.8	49
17	Field evaluation of a slow release pheromone formulation to control the American bollworm, <i>Helicoverpa armigera</i> (Lepidoptera: Noctuidae) in Pakistan. <i>Bulletin of Entomological Research</i> , 2000, 90, 183-190.	1.0	15
18	Field evaluation of <i>Helicoverpa armigera</i> nucleopolyhedrovirus formulations for control of the chickpea pod-borer, <i>H. armigera</i> (Hubn.), on chickpea (<i>Cicer arietinum</i> var. Shoba) in southern India. <i>Crop Protection</i> , 2000, 19, 51-60.	2.1	50

#	ARTICLE	IF	CITATIONS
19	Quality Control of Fungal and Viral Biocontrol Agents - Assurance of Product Performance. <i>Biocontrol Science and Technology</i> , 2000, 10, 753-777.	1.3	88
20	Pyrethroid Resistance and Mechanisms of Resistance in Field Strains of <i>Helicoverpa armigera</i> (Lepidoptera: Noctuidae). <i>Journal of Economic Entomology</i> , 2001, 94, 253-263.	1.8	115
21	The Integrated Insect Management System and its Effects on the Environment and Productivity of Cotton. <i>Outlook on Agriculture</i> , 2002, 31, 95-105.	3.4	4
22	Insecticide resistance in five major insect pests of cotton in India. <i>Crop Protection</i> , 2002, 21, 449-460.	2.1	364
23	Leaf volatiles as attractants for neonate <i>Helicoverpa armigera</i> Hbn. (Lep., Noctuidae) larvae. <i>Journal of Applied Entomology</i> , 2002, 126, 14-19.	1.8	27
24	Changes in susceptibility to conventional insecticides of a Cry1Ac-selected population of <i>Helicoverpa armigera</i> (Lepidoptera: Noctuidae). <i>Pest Management Science</i> , 2004, 60, 680-684.	3.4	27
25	Identification of factors responsible for insecticide resistance in <i>Helicoverpa armigera</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2004, 137, 261-269.	2.6	74
26	Insecticide resistance and mechanisms of resistance to selected strains of <i>Helicoverpa armigera</i> (Lepidoptera: Noctuidae) in the south of France. <i>Crop Protection</i> , 2005, 24, 814-820.	2.1	54
27	Regional reversion of insecticide resistance in <i>Helicoverpa armigera</i> (Lepidoptera: Noctuidae) is associated with the use of Bt cotton in northern China. <i>Pest Management Science</i> , 2005, 61, 491-498.	3.4	48
28	Stimulatory effect of insecticides on partially purified P-glycoprotein ATPase from the resistant pest <i>Helicoverpa armigera</i> . This paper is one of a selection of papers published in this Special Issue, entitled CSBMCB "Membrane Proteins in Health and Disease". <i>Biochemistry and Cell Biology</i> , 2006, 84, 1045-1050.	2.0	22
29	Purification and characterization of an esterase isozyme involved in hydrolysis of organophosphorus compounds from an insecticide resistant pest, <i>Helicoverpa armigera</i> (Lepidoptera: Noctuidae). <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2006, 1760, 310-317.	2.4	11
30	Insecticide Resistance Management of <i>Helicoverpa armigera</i> (Lepidoptera: Noctuidae) and its effect on pests and yield of cotton in North India. <i>Journal of Plant Diseases and Protection</i> , 2006, 113, 120-127.	2.9	9
31	Effect of rotational use of insecticides on pyrethroids resistance in <i>Helicoverpa armigera</i> (Lep.:) <i>Tj ETQq0 0 0 rgBT /Overlock 10 T</i>	1.8	10
32	Morphometric Variation in Geographic Populations of Cotton Bollworm, <i>Helicoverpa armigera</i> (Lepidoptera: Noctuidae) Occurring in South Indian Cotton Ecosystems. <i>Journal of Asia-Pacific Entomology</i> , 2007, 10, 39-44.	0.9	2
33	Note: Insecticide resistance in <i>Helicoverpa armigera</i> from cotton-growing areas in Turkey. <i>Phytoparasitica</i> , 2007, 35, 376-379.	1.2	16
34	Mechanisms of resistance to <i>Helicoverpa armigera</i> and introgression of resistance genes into F1 hybrids in chickpea. <i>Arthropod-Plant Interactions</i> , 2007, 1, 263-270.	1.1	10
35	Degradation of the insecticidal toxin produced by <i>Bacillus thuringiensis</i> var. <i>kurstaki</i> by extracellular proteases produced by <i>Chrysosporium</i> sp.. <i>Journal of Applied Microbiology</i> , 2008, 104, 1171-1181.	3.1	6
36	Tracking pyrethroid resistance in the polyphagous bollworm, <i>Helicoverpa armigera</i> (Lepidoptera: Noctuidae), in the shifting landscape of a cotton-growing area. <i>Bulletin of Entomological Research</i> , 2008, 98, 565-573.	1.0	27

#	ARTICLE	IF	CITATIONS
37	Esterase-mediated resistance to pyrethroids in field populations of <i>Helicoverpa armigera</i> (Lepidoptera: Noctuidae) from Central Africa. <i>Pest Management Science</i> , 2009, 65, 1147-1154.	3.4	49
38	Seasonal and geographical toxicity of Indoxacarb against <i>Helicoverpa armigera</i> and influence of different host plants against Indoxacarb in India, 2005-2007. <i>Entomological Research</i> , 2009, 39, 43-49.	1.1	3
39	Modulatory Effects of Natural Curcuminoids on P-Glycoprotein ATPase of Insecticide-Resistant Pest <i>Helicoverpa armigera</i> (Lepidoptera: Noctuidae). <i>Journal of Membrane Biology</i> , 2010, 236, 271-278.	2.1	14
40	Inactivation of Baculovirus by Isoflavonoids on Chickpea (<i>Cicer arietinum</i>) Leaf Surfaces Reduces the Efficacy of Nucleopolyhedrovirus Against <i>Helicoverpa armigera</i> . <i>Journal of Chemical Ecology</i> , 2010, 36, 227-235.	1.8	25
41	In vivo inhibition of <i>Helicoverpa armigera</i> gut pro-proteinase activation by non-host plant protease inhibitors. <i>Journal of Insect Physiology</i> , 2010, 56, 1315-1324.	2.0	51
42	Effects of pigment glands and gossypol on growth, development and insecticide-resistance of cotton bollworm (<i>Heliothis armigera</i> (Hübner)). <i>Crop Protection</i> , 2010, 29, 813-819.	2.1	33
43	Field efficacy of <i>Helicoverpa armigera</i> nucleopolyhedro-virus isolates against <i>H. armigera</i> (Hübner) (Lepidoptera: Noctuidae) on cotton and chickpea in Tamil Nadu. <i>Plant Protection Science</i> , 2010, 46, 116-122.	1.4	8
44	Baseline susceptibility of <i>Oligonychus coffeae</i> (Acarina: Tetranychidae) to acaricides in North Bengal tea plantations, India. <i>International Journal of Acarology</i> , 2010, 36, 357-362.	0.7	24
45	Dose dependency of time to death in single and mixed infections with a wildtype and egt deletion strain of <i>Helicoverpa armigera</i> nucleopolyhedrovirus. <i>Journal of Invertebrate Pathology</i> , 2010, 104, 44-50.	3.2	20
46	Decay profile and metabolic pathways of quinalphos in water, soil and plants. <i>Chemosphere</i> , 2011, 85, 710-716.	8.2	47
47	Chemical-based integrated approaches for the management of tea red spider mite, <i>Oligonychus coffeae</i> (Acarina: Tetranychidae) in tea plantations of sub-Himalayan North Bengal, India. <i>International Journal of Acarology</i> , 2012, 38, 74-78.	0.7	13
48	Comparison of Three Entomopathogenic Fungi Against the Bollworm, <i>Helicoverpa armigera</i> (Hübner) (Lepidoptera: Noctuidae), Employing Topical vs. per os Inoculation Techniques. <i>African Entomology</i> , 2012, 20, 91-100.	0.6	6
49	Effect of PONEEM on <i>Spodoptera litura</i> (Fab.) and its compatibility with <i>Trichogramma chilonis</i> Ishii. <i>Brazilian Archives of Biology and Technology</i> , 2012, 55, 291-298.	0.5	15
50	Interaction of plant cell signaling molecules, salicylic acid and jasmonic acid, with the mitochondria of <i>Helicoverpa armigera</i> . <i>Journal of Bioenergetics and Biomembranes</i> , 2012, 44, 233-241.	2.3	9
51	Methylparathion- and carbofuran-induced mitochondrial dysfunction and oxidative stress in <i>Helicoverpa armigera</i> (Noctuidae: Lepidoptera). <i>Pesticide Biochemistry and Physiology</i> , 2012, 103, 31-37.	3.6	10
52	Biochemical mechanisms of organophosphate and pyrethroid resistance in red hairy caterpillar <i>Amsacta albistriga</i> (Lepidoptera: Arctiidae). <i>Journal of the Saudi Society of Agricultural Sciences</i> , 2013, 12, 47-52.	1.9	8
53	Cantharidin Impedes Activity of Glutathione S-Transferase in the Midgut of <i>Helicoverpa armigera</i> Hübner. <i>International Journal of Molecular Sciences</i> , 2013, 14, 5482-5500.	4.1	29
54	Molecular and biochemical characterization of the effects of insecticidal toxin from meloidae beetles on <i>Helicoverpa armigera</i> (Hub.) (Lepidoptera: Noctuidae). <i>Genetics and Molecular Research</i> , 2013, 12, 4393-4404.	0.2	3

#	ARTICLE	IF	CITATIONS
55	Mitochondrial P-Glycoprotein ATPase Contributes to Insecticide Resistance in the Cotton Bollworm, <i>Helicoverpa armigera</i> (Noctuidae: Lepidoptera). <i>Cell Biochemistry and Biophysics</i> , 2014, 70, 651-660.	1.8	6
56	Role of Nucleopolyhedroviruses (NPVs) in the Management of Lepidopteran Pests in Asia. <i>Soil Biology</i> , 2015, , 11-52.	0.8	5
57	Biopesticides: Where We Stand?. , 2015, , 37-75.		53
58	Bioefficacy evaluation and dissipation pattern of nanoformulation versus commercial formulation of pyridalyl in tomato (<i>Solanum lycopersicum</i>). <i>Environmental Monitoring and Assessment</i> , 2015, 187, 541.	2.7	15
59	Activity of Selected Formulated Biorational and Synthetic Insecticides Against Larvae of <i>Helicoverpa armigera</i> (Lepidoptera: Noctuidae). <i>Journal of Economic Entomology</i> , 2017, 110, tow244.	1.8	16
60	Genomic innovations, transcriptional plasticity and gene loss underlying the evolution and divergence of two highly polyphagous and invasive <i>Helicoverpa</i> pest species. <i>BMC Biology</i> , 2017, 15, 63.	3.8	238
61	Challenging the larvae of <i>Helicoverpa armigera</i> and assessing the immune responses to nematode-bacterium complex. <i>Phytoparasitica</i> , 2018, 46, 75-87.	1.2	5
62	Cytochrome P450-Mediated δ -Cyhalothrin-Resistance in a Field Strain of <i>Helicoverpa armigera</i> from Northeast China. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 3546-3553.	5.2	28
63	Estimation of avoidable yield losses in chickpea caused by <i>Helicoverpa armigera</i> (<i>H. armigera</i>) (Lepidoptera: Tj ETQq0 0 0 rgBT /Overlock 10 T		
64	Genetic structure and insecticide resistance characteristics of fall armyworm populations invading China. <i>Molecular Ecology Resources</i> , 2020, 20, 1682-1696.	4.8	116
65	Characterization and <i>in planta</i> validation of a <i>CHI4</i> chitinase from <i>Cajanus platycarpus</i> (Benth.) Maesen for its efficacy against pod borer, <i>Helicoverpa armigera</i> (<i>H. armigera</i>). <i>Pest Management Science</i> , 2021, 77, 2337-2349.	3.4	7
66	Insecticide resistance monitoring for the invasive populations of fall armyworm, <i>Spodoptera frugiperda</i> in China. <i>Journal of Integrative Agriculture</i> , 2021, 20, 783-791.	3.5	54
67	Laboratory Selection and Assessment of Resistance Risk in <i>Drosophila suzukii</i> (Diptera: Drosophilidae) to Spinosad and Malathion. <i>Insects</i> , 2021, 12, 794.	2.2	15
68	Changing Trends in Cotton Pest Management. , 2009, , 499-541.		16
69	Groundnut pests. , 1994, , 395-479.		19
70	Carbamate and organophosphate resistance in cotton pests in India, 1995 to 1999. <i>Bulletin of Entomological Research</i> , 2001, 91, 37-46.	1.0	47
72	Population Genetic Structure of the Cotton Bollworm <i>Helicoverpa armigera</i> (<i>H. armigera</i>) (Lepidoptera: Tj ETQq0 0 0 rgBT /Overlock 10 T	2.5	44
73	Repellent, antifeedent and toxic effects of certain plant extracts on cotton leafworm, <i>Spodoptera littoralis</i> Bois.. <i>Acta Phytopathologica Et Entomologica Hungarica</i> , 2009, 44, 327-336.	0.2	2

#	ARTICLE	IF	CITATIONS
74	Impact of Variegated Temperature, CO ₂ and Relative Humidity on Survival and Development of Beet Armyworm <i>Spodoptera exigua</i> (Hubner) under Controlled Growth Chamber. American Journal of Climate Change, 2020, 09, 357-370.	0.9	4
75	Physical and Chemical Mechanisms of Plant Resistance to Helicoverpa: Recent Research on Chickpea and Pigeonpea. , 2005, , 221-234.		0
76	Synthetic Pyrethroid Resistance in Field Strains of Helicoverpa armigera (Hubner) (Lepidoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 66	0.2	2
77	Towards the Rational Management of the Insect Pests of Tropical Legume Crops in Asia: Review and Remedy. Novartis Foundation Symposium, 1993, 177, 233-256.	1.1	0
78	Incidence of chickpea pod borer and monitoring of pod borer moths by using pheromone traps. International Journal of Agricultural Sciences, 2017, 13, 62-66.	0.0	0
79	Standardization of Pheromone Traps for the Mass Trapping of Helicoverpa Armigera (Hubner) Hardwick in Tomato. Current Agriculture Research Journal, 2017, 5, 45-49.	0.1	1
80	War against old world bollworm, helicoverpa armigera (HUBNER): past, present and future. Progressive Agriculture, 2019, 19, 186.	0.1	0
81	Toxicological and histological studies on the effect of spinosad or vinegar on Culex pipiens larvae (Diptera: Culicidae). African Entomology, 2020, 28, 175.	0.6	2
82	Evaluation of Bioconcentration of Organophosphate Pesticides Monocrotophos and Quinalphos in Freshwater Fish Channa striatus. Journal of Basic and Applied Research in Biomedicine, 2022, 6, 38-44.	0.3	1
83	Large-Scale Production of the Cotton Bollworm, Helicoverpa armigera (Hübner) (Lepidoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 11		1
84	Changes in Perceptions Derived From Research on Trichoderma Species. , 2020, , 181-190.		1
85	Microbial pesticides. , 2022, , 37-71.		3
86	Factors Affecting Adult Captures of the Cotton Bollworm, Helicoverpa armigera (Hübner) (Lepidoptera: Noctuidae) in Pheromone-Baited Traps. Agronomy, 2021, 11, 2539.	3.0	4
87	Insecticide spray regimes to manage Helicoverpa armigera (Hubner) and their impact on natural enemies in cotton under high density planting system. Indian Journal of Entomology, 0, , 1-8.	0.1	0
88	ECOFRIENDLY MANAGEMENT OF TOMATO FRUIT BORER, HELICOVERPA ARMIGERA (HUBNER). , 2008, 1, 134-137.		13
89	Status of insecticide resistance in field populations of tomato fruit borer (Helicoverpa armigera) (Lepidoptera: Noctuidae) in Punjab, India. , 2018, 88, 606-610.		0
90	The plant specialized metabolite epicatechin- 3-gallate (EC3G) perturbs lipid metabolism and attenuates fat accumulation in pigeonpea pod borer, Helicoverpa armigera. International Journal of Biological Macromolecules, 2023, 231, 123325.	7.5	1
91	Biodegradation of quinalphos by gram negative bacteria Pantoea agglomerans and Acinetobacter sp. dcm5A. Environment Conservation Journal, 2023, 24, 373-379.	0.2	0