

# Field-Evolved Resistance of the Fall Armyworm (*Lepidoptera*) Insecticides in Puerto Rico and Mexico

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Progress and prospects of arthropod chitin pathways and structures as targets for pest management. <i>Pesticide Biochemistry and Physiology</i> , 2019, 161, 33-46.	1.6	39
2	Efficacy of biological control agents, synthetic insecticides, and their combinations to control tobacco budworm [ <i>Heliothis virescens</i> (Lepidoptera: Noctuidae)] in pigeon pea. <i>Crop Protection</i> , 2019, 122, 175-179.	1.0	6
3	Initial detections and spread of invasive <i>Spodoptera frugiperda</i> in China and comparisons with other noctuid larvae in cornfields using molecular techniques. <i>Insect Science</i> , 2020, 27, 780-790.	1.5	121
4	Detection of a ryanodine receptor target site mutation in diamide insecticide resistant fall armyworm, <i>Spodoptera frugiperda</i> . <i>Pest Management Science</i> , 2020, 76, 47-54.	1.7	108
5	The Population Growth of <i>Spodoptera frugiperda</i> on Six Cash Crop Species and Implications for Its Occurrence and Damage Potential in China. <i>Insects</i> , 2020, 11, 639.	1.0	40
6	Reduced neuronal sensitivity and susceptibility of the fall armyworm, <i>Spodoptera frugiperda</i> , to pyrethroids in the absence of known knockdown mutations. <i>Pesticide Biochemistry and Physiology</i> , 2020, 169, 104652.	1.6	8
7	Susceptibility of Fall Armyworms ( <i>Spodoptera frugiperda</i> J.E.) from Mexico and Puerto Rico to Bt Proteins. <i>Insects</i> , 2020, 11, 831.	1.0	18
8	Fall armyworm invasion, control practices and resistance breeding in Sub-Saharan Africa. <i>Crop Science</i> , 2020, 60, 2951-2970.	0.8	39
9	First Report of Native Parasitoids of Fall Armyworm <i>Spodoptera frugiperda</i> Smith (Lepidoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 42	1.0	16
10	Monitoring of Target-Site Mutations Conferring Insecticide Resistance in <i>Spodoptera frugiperda</i> . <i>Insects</i> , 2020, 11, 545.	1.0	51
11	Adaptation by copy number variation increases insecticide resistance in the fall armyworm. <i>Communications Biology</i> , 2020, 3, 664.	2.0	41
12	The genetic adaptations of fall armyworm <i>Spodoptera frugiperda</i> facilitated its rapid global dispersal and invasion. <i>Molecular Ecology Resources</i> , 2020, 20, 1050-1068.	2.2	88
13	Resistance of <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae) to spinetoram: inheritance and cross-resistance to spinosad. <i>Pest Management Science</i> , 2020, 76, 2674-2680.	1.7	76
14	Diamide resistance: 10 years of lessons from lepidopteran pests. <i>Journal of Pest Science</i> , 2020, 93, 911-928.	1.9	100
15	Genetic structure and insecticide resistance characteristics of fall armyworm populations invading China. <i>Molecular Ecology Resources</i> , 2020, 20, 1682-1696.	2.2	116
16	Resistance of the fall armyworm, <i>Spodoptera frugiperda</i> , to transgenic <i>Bacillus thuringiensis</i> Cry1F corn in the Americas: lessons and implications for Bt corn IRM in China. <i>Insect Science</i> , 2021, 28, 574-589.	1.5	51
17	Whole-genome sequencing to detect mutations associated with resistance to insecticides and Bt proteins in <i>Spodoptera frugiperda</i> . <i>Insect Science</i> , 2021, 28, 627-638.	1.5	61
18	Biocontrol-based management of fall armyworm, <i>Spodoptera frugiperda</i> (J E Smith) (Lepidoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 14	1.6	14

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19	Dynamic changes of transcriptome of fifth-instar <i>Spodoptera litura</i> larvae in response to insecticide. <i>3 Biotech</i> , 2021, 11, 98.	1.1	9
20	Fall Armyworm ( <i>Spodoptera frugiperda</i> ). , 2021, , 349-372.		17
21	The role of <i>Desmodium intortum</i> , <i>Brachiaria</i> sp. and <i>Phaseolus vulgaris</i> in the management of fall armyworm <i>Spodoptera frugiperda</i> (J. E.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.0	32
22	The endophytic fungi from South Sumatra (Indonesia) and their pathogenecity against the new invasive fall armyworm, <i>Spodoptera frugiperda</i> . <i>Biodiversitas</i> , 2021, 22, .	0.2	5
23	Parasitoid Distribution and Parasitism of the Fall Armyworm <i>Spodoptera frugiperda</i> (Lepidoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.0	32
24	A Preliminary Toxicology Study on Eco-friendly Control Target of <i>Spodoptera frugiperda</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021, 106, 295-301.	1.3	2
25	Concentrationâ€Mortality Response of Mexican Populations Fall Armyworm (Lepidoptera: Noctuidae) to Commercial Formulations of <i>Bacillus Thuringiensis</i> . <i>Journal of Entomological Science</i> , 2021, 56, 70-83.	0.2	2
26	<i>Orius similis</i> (Hemiptera: Anthocoridae): A Promising Candidate Predator of <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae). <i>Journal of Economic Entomology</i> , 2021, 114, 582-589.	0.8	12
27	Arbuscular mycorrhizal fungi improve uptake and control efficacy of carbosulfan on <i>Spodoptera frugiperda</i> in maize plants. <i>Pest Management Science</i> , 2021, 77, 2812-2819.	1.7	10
28	De Novo Transcriptomic Analyses Revealed Some Detoxification Genes and Related Pathways Responsive to Noposion Yihaogong® 5% EC (Lambda-Cyhalothrin 5%) Exposure in <i>Spodoptera frugiperda</i> Third-Instar Larvae. <i>Insects</i> , 2021, 12, 132.	1.0	16
29	Fall armyworm invasion heightens pesticide expenditure among Chinese smallholder farmers. <i>Journal of Environmental Management</i> , 2021, 282, 111949.	3.8	47
30	Biology, invasion and management of the agricultural invader: Fall armyworm, <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae). <i>Journal of Integrative Agriculture</i> , 2021, 20, 646-663.	1.7	88
31	Efficacy and safety-evaluation of insecticidal modules against <i>Spodoptera frugiperda</i> (Lepidoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 <i>Insect Science</i> , 0, , 1.	0.4	3
32	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.	1.7	54
33	Compatibility of Bt biopesticides and adjuvants for <i>Spodoptera frugiperda</i> control. <i>Scientific Reports</i> , 2021, 11, 5271.	1.6	6
34	Resistance to insect growth regulators and age-stage, two-sex life table in <i>Musca domestica</i> from different dairy facilities. <i>PLoS ONE</i> , 2021, 16, e0248693.	1.1	15
35	Geographic Monitoring of Insecticide Resistance Mutations in Native and Invasive Populations of the Fall Armyworm. <i>Insects</i> , 2021, 12, 468.	1.0	32
36	Maize Endochitinase Expression in Response to Fall Armyworm Herbivory. <i>Journal of Chemical Ecology</i> , 2021, 47, 689-706.	0.9	7

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37	Functional Analysis of <i>SIGSTE12</i> in Pyrethroid and Organophosphate Resistance in <i>Spodoptera litura</i> . Journal of Agricultural and Food Chemistry, 2021, 69, 5840-5848.	2.4	16
38	Fabricated chlorantraniliprole loaded chitosan/alginate hydrogel rings effectively control <i>Spodoptera frugiperda</i> in maize ears. Crop Protection, 2021, 143, 105539.	1.0	9
39	Bioecology of fall armyworm <i>Spodoptera frugiperda</i> (J. E. Smith), its management and potential patterns of seasonal spread in Africa. PLoS ONE, 2021, 16, e0249042.	1.1	36
40	Effect of spatial arrangement of push-pull companion plants on fall armyworm control and agronomic performance of two maize varieties in Ghana. Crop Protection, 2021, 145, 105612.	1.0	11
41	Differential insecticidal properties of <i>Spodoptera frugiperda</i> multiple nucleopolyhedrovirus isolates against corn-strain and rice-strain fall armyworm, and genomic analysis of three isolates. Journal of Invertebrate Pathology, 2021, 183, 107561.	1.5	10
42	A Comparative Perspective on Functionally-Related, Intracellular Calcium Channels: The Insect Ryanodine and Inositol 1,4,5-Trisphosphate Receptors. Biomolecules, 2021, 11, 1031.	1.8	10
43	Field-evolved resistance to chlorpyrifos by <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae): Inheritance mode, cross-resistance patterns, and synergism. Pest Management Science, 2021, 77, 5367-5374.	1.7	10
44	Impact of invasive fall armyworm on plant and arthropod communities and implications for crop protection. International Journal of Pest Management, 2024, 70, 180-191.	0.9	4
45	Maize Yield Response to Chemical Control of <i>Spodoptera frugiperda</i> at Different Plant Growth Stages in South Africa. Agriculture (Switzerland), 2021, 11, 826.	1.4	15
46	Managing a Transboundary Pest: The Fall Armyworm on Maize in Africa. , 0, , .		3
47	Preliminary characterisation of known pesticide resistance alleles in <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae) in its invasive Australian range. Austral Entomology, 2021, 60, 782-790.	0.8	13
48	Characterization of Toxicological and Neurophysiological Effects of Natural Product Based Chromenes to Fall Armyworm, <i>Spodoptera frugiperda</i> . Journal of Economic Entomology, 2021, 114, 2485-2492.	0.8	0
49	Efficiency of Three Egg Parasitoid Species on Fall Armyworm (Lepidoptera: Noctuidae) in Laboratory and Field Cages. Journal of Entomological Science, 2021, 56, 519-526.	0.2	1
50	Baseline Toxicity Data of Different Insecticides against the Fall Armyworm <i>Spodoptera frugiperda</i> (J.E.) Tj ETQq1 1 0.784314 rgBT /Over Entomology, 2021, 29, .	0.6	5
51	Toxicological analysis of stilbenes against the fall armyworm, <i>Spodoptera frugiperda</i> . Pesticide Biochemistry and Physiology, 2021, 179, 104965.	1.6	1
52	Functional analysis of CYP6AE68, a cytochrome P450 gene associated with indoxacarb resistance in <i>Spodoptera litura</i> (Lepidoptera: Noctuidae). Pesticide Biochemistry and Physiology, 2021, 178, 104946.	1.6	23
53	Detection of ryanodine receptor target-site mutations in diamide insecticide-resistant <i>Spodoptera frugiperda</i> in China. Insect Science, 2021, 28, 639-648.	1.5	40
56	Field Efficacy of Insecticides for Management of Invasive Fall Armyworm, <i>Spodoptera frugiperda</i> (J. E.) Tj ETQq1 1 0.784314 rgBT /Over	0.2	51

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57	Insecticidal and Repellent Activities of Essential Oils from Seed and Root of Celery ( <i>Apium</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 747 2021, 24, 1169-1179.	0.7	4
59	Evaluation of Resistance Development in <i>Bemisia tabaci</i> Genn. (Homoptera: Aleyrodidae) in Cotton against Different Insecticides. <i>Insects</i> , 2021, 12, 996.	1.0	12
60	Viruses of the Fall Armyworm <i>Spodoptera frugiperda</i> : A Review with Prospects for Biological Control. <i>Viruses</i> , 2021, 13, 2220.	1.5	21
61	Socioeconomic and health impacts of fall armyworm in Ethiopia. <i>PLoS ONE</i> , 2021, 16, e0257736.	1.1	21
62	Fitness costs associated with chlorantraniliprole resistance in <i>Spodoptera frugiperda</i> ( <i>Lepidoptera: Noctuidae</i> ) strains with different genetic backgrounds. <i>Pest Management Science</i> , 2022, 78, 1279-1286.	1.7	11
63	Transcriptome Analysis of Detoxification-Related Genes in <i>Spodoptera frugiperda</i> ( <i>Lepidoptera:</i> ) Tj ETQq1 1 0.784314 rgBT /Over 0.6 1F	0.6	1F
64	Virulence and genetic characterization of six baculovirus strains isolated from different populations of <i>Spodoptera frugiperda</i> ( <i>Lepidoptera: Noctuidae</i> ). <i>Archives of Microbiology</i> , 2022, 204, 108.	1.0	5
65	Susceptibility to Chlorantraniliprole in Fall Armyworm ( <i>Lepidoptera: Noctuidae</i> ) Populations Infesting Sweet Corn in Southern Florida. <i>Journal of Economic Entomology</i> , 2022, 115, 224-232.	0.8	4
66	Self-limiting fall armyworm: a new approach in development for sustainable crop protection and resistance management. <i>BMC Biotechnology</i> , 2022, 22, 5.	1.7	9
67	Insecticide resistance in Australian <i>Spodoptera frugiperda</i> (J.E. Smith) and development of testing procedures for resistance surveillance. <i>PLoS ONE</i> , 2022, 17, e0263677.	1.1	19
68	Adipokinetic hormone signaling regulates cytochrome <i>P450</i> -mediated chlorantraniliprole sensitivity in <i>Spodoptera frugiperda</i> ( <i>Lepidoptera: Noctuidae</i> ). <i>Pest Management Science</i> , 2022, 78, 2618-2628.	1.7	5
69	Timely Application of Four Insecticides to Control Corn Earworm and Fall Armyworm Larvae in Sweet Corn. <i>Insects</i> , 2022, 13, 278.	1.0	3
70	Detection of insecticide susceptibility and target-site mutations in field populations of <i>Spodoptera frugiperda</i> ( <i>Lepidoptera: Noctuidae</i> ). <i>International Journal of Pest Management</i> , 0, , 1-11.	0.9	4
71	Effects of X-ray irradiation on the fitness of the established invasive pest fall armyworm <i>Spodoptera frugiperda</i> . <i>Pest Management Science</i> , 2022, 78, 2806-2815.	1.7	11
72	Activity of Chloroformic Extract from <i>Salvia connivens</i> (Lamiales: Lamiaceae) and Its Principal Compounds against <i>Spodoptera frugiperda</i> ( <i>Lepidoptera: Noctuidae</i> ). <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11813.	1.3	1
74	Isolation and molecular characterization of <i>Bacillus thuringiensis</i> subsp. <i>kurstaki</i> toxic to lepidopteran pests <i>Spodoptera</i> spp. and <i>Plutella xylostella</i> . <i>Pest Management Science</i> , 2022, 78, 2976-2984.	1.7	3
75	Biocontrol potential of entomopathogenic nematodes for the sustainable management of <i>Spodoptera frugiperda</i> ( <i>Lepidoptera: Noctuidae</i> ) in maize. <i>Pest Management Science</i> , 2022, 78, 2883-2895.	1.7	13
76	Optimization of a pheromone lure by analyzing the peripheral coding of sex pheromones of <i>Spodoptera frugiperda</i> in China. <i>Pest Management Science</i> , 2022, 78, 2995-3004.	1.7	13

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77	Effects of Host Plants on Bacterial Community Structure in Larvae Midgut of <i>Spodoptera frugiperda</i> . <i>Insects</i> , 2022, 13, 373.	1.0	9
78	Impact of the fall armyworm, <i>Spodoptera frugiperda</i> (J. E. Smith) (Lepidoptera: Noctuidae), invasion on maize and the native <i>Spodoptera litura</i> (Fabricius) in East Java, Indonesia, and evaluation of the virulence of some indigenous entomopathogenic fungus isolates for controlling the pest. <i>Egyptian Journal of Biological Pest Control</i> , 2022, 32, .	0.8	1
79	Effect of Pupal Cold Storage on Reproductive Performance of <i>Microplitis manilae</i> (Hymenoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 449.	1.0	6
80	Down-Regulation of P450 Genes Enhances Susceptibility to Indoxacarb and Alters Physiology and Development of Fall Armyworm, <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae). <i>Frontiers in Physiology</i> , 2022, 13, .	1.3	9
81	Nanoemulsified Formulation of <i>Cedrela odorata</i> Essential Oil and Its Larvicidal Effect against <i>Spodoptera frugiperda</i> (J.E. Smith). <i>Molecules</i> , 2022, 27, 2975.	1.7	6
82	Laboratory efficacy of selected synthetic insecticides against second instar invasive fall armyworm, <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae) larvae. <i>PLoS ONE</i> , 2022, 17, e0265265.	1.1	18
83	Agrochemicals, Environment, and Human Health. <i>Annual Review of Environment and Resources</i> , 2022, 47, 399-421.	5.6	32
84	PBP1 plays key roles in sex pheromone reception of the fall armyworm. <i>International Journal of Biological Macromolecules</i> , 2022, 214, 162-169.	3.6	8
85	Application technology of SfMNPV-6nd in the control of fall armyworm. <i>Pesquisa Agropecuaria Brasileira</i> , 0, 57, .	0.9	0
86	Insecticide resistance and its underlying synergism in field populations of <i>Spodoptera frugiperda</i> (J. E.) Tj ETQq1 1 0,784314 rgBT /Overlock 10 Tf 50 6 0,6 10	0,6	10
87	Large-Scale Monitoring of the Frequency of Ryanodine Receptor Target-Site Mutations Conferring Diamide Resistance in Brazilian Field Populations of Fall Armyworm, <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae). <i>Insects</i> , 2022, 13, 626.	1.0	8
88	Susceptibilities of the Invasive Fall Armyworm ( <i>Spodoptera frugiperda</i> ) to the Insecticidal Proteins of Bt maize in China. <i>Toxins</i> , 2022, 14, 507.	1.5	8
89	Toxicity of Some Insecticides to The Fall Army Worm &lt;i>Spodoptera frugiperda&lt;/i>. <i>Indian Journal of Entomology</i> , 0, , 1-3.	0.1	0
90	The green lacewing <i>Chrysopa formosa</i> as a potential biocontrol agent for managing <i>Spodoptera frugiperda</i> and <i>Spodoptera litura</i>. <i>Bulletin of Entomological Research</i> , 2023, 113, 49-62.	0.5	2
91	Insecticide susceptibility vis-À-vis molecular variations in geographical populations of fall armyworm, <i>Spodoptera frugiperda</i> (J.E. smith) in India. <i>3 Biotech</i> , 2022, 12, .	1.1	0
92	Evidence of field-evolved resistance in <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae) to emamectin benzoate in Brazil. <i>Crop Protection</i> , 2022, 162, 106071.	1.0	5
93	Pathogenicity, ultra-structural growth and development of green muscardine fungus, <i>Metarhizium anisopliae</i> (Metschnikoff) Sorokin (Ascomycota: Hypocreales) on maize fall armyworm, <i>Spodoptera frugiperda</i> (J. E. Smith) (Lepidoptera: Noctuidae). <i>Egyptian Journal of Biological Pest Control</i> , 2022, 32, .	0.8	1
94	Susceptibility Evaluation of Fall Armyworm ( <i>Spodoptera frugiperda</i> ) Infesting Maize in Kenya against a Range of Insecticides. <i>Journal of Toxicology</i> , 2022, 2022, 1-11.	1.4	1

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95	Effect of Rabbit Urine on the Larval Behavior, Larval Mortality, Egg Hatchability, Adult Emergence and Oviposition Preference of the Fall Armyworm ( <i>Spodoptera frugiperda</i> J.E. Smith). <i>Agriculture (Switzerland)</i> , 2022, 12, 1282.	1.4	2
96	CRISPR-mediated knockout of nicotinic acetylcholine receptor ( $\alpha 6$ subunit confers high levels of resistance to spinosyns in <i>Spodoptera frugiperda</i> . <i>Pesticide Biochemistry and Physiology</i> , 2022, 187, 105191.	1.6	4
97	Insecticide Susceptibility and Mechanism of <i>Spodoptera frugiperda</i> on Different Host Plants. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 11367-11376.	2.4	16
101	Potential of Silicon to Improve Biological Control of Fall Armyworm, <i>Spodoptera frugiperda</i> on Maize. <i>Agriculture (Switzerland)</i> , 2022, 12, 1432.	1.4	1
102	<i>Spodoptera frugiperda</i> : Ecology, Evolution, and Management Options of an Invasive Species. <i>Annual Review of Entomology</i> , 2023, 68, 299-317.	5.7	49
103	Comparison of Phototactic Behavior between Two Migratory Pests, <i>Helicoverpa armigera</i> and <i>Spodoptera frugiperda</i> . <i>Insects</i> , 2022, 13, 917.	1.0	2
104	Genetic architecture and insecticide resistance in Chinese populations of <i>Spodoptera frugiperda</i> . <i>Journal of Pest Science</i> , 2023, 96, 1595-1610.	1.9	13
107	<i>Helicoverpa</i> genus on the edge of the continental U.S.: Flight phenology, analysis of hybrid presence, and insecticide performance in high-input field crops in Puerto Rico. <i>Frontiers in Insect Science</i> , 0, 2, .	0.9	2
108	Susceptibilities of <i>Helicoverpa zea</i> (Lepidoptera: Noctuidae) Populations From the Mississippi Delta to a Diamide Insecticide. <i>Journal of Economic Entomology</i> , 0, , .	0.8	0
109	Control efficacy and joint toxicity of metaflumizone mixed with chlorantraniliprole or indoxacarb against the fall armyworm, <i>Spodoptera frugiperda</i> . <i>Pest Management Science</i> , 2023, 79, 1094-1101.	1.7	9
110	Characterization of Indoxacarb Resistance in the Fall Armyworm: Selection, Inheritance, Cross-Resistance, Possible Biochemical Mechanisms, and Fitness Costs. <i>Biology</i> , 2022, 11, 1718.	1.3	8
111	Potential Management Options for the Invasive Moth <i>Spodoptera frugiperda</i> in Europe. <i>Journal of Economic Entomology</i> , 2022, 115, 1772-1782.	0.8	1
112	Efficacy of native strains of entomopathogenic nematode, <i>Heterorhabditis indica</i> against the fall armyworm, <i>Spodoptera frugiperda</i> (J. E. Smith) (Lepidoptera: Noctuidae) from India. <i>Egyptian Journal of Biological Pest Control</i> , 2022, 32, .	0.8	5
113	The evolutionary process of invasion in the fall armyworm ( <i>Spodoptera frugiperda</i> ). <i>Scientific Reports</i> , 2022, 12, .	1.6	11
114	Chemical Control and Insecticide Resistance in <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae). <i>Journal of Economic Entomology</i> , 2022, 115, 1761-1771.	0.8	25
115	A Binary Mixture of Emamectin Benzoate and Chlorantraniliprole Supplemented with an Adjuvant Effectively Controls <i>Spodoptera frugiperda</i> . <i>Insects</i> , 2022, 13, 1157.	1.0	5
116	Insights into insecticide-resistance mechanisms in invasive species: Challenges and control strategies. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	27
117	The effect of chlorantraniliprole on the transcriptomic profile of <i>Spodoptera frugiperda</i> : a typical case analysis for the response of a newly invaded pest to an old insecticide. <i>Molecular Biology Reports</i> , 2023, 50, 2399-2410.	1.0	0



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118	Molecular Characterization of <i>Spodoptera frugiperda</i> Heme Oxygenase and Its Involvement in Susceptibility to Chlorantraniliprole. <i>Journal of Agricultural and Food Chemistry</i> , 2023, 71, 2313-2321.	2.4	4
119	Genetic analyses and detection of point mutations in the acetylcholinesterase-1 gene associated with organophosphate insecticide resistance in fall armyworm ( <i>Spodoptera frugiperda</i> ) populations from Uganda. <i>BMC Genomics</i> , 2023, 24, .	1.2	5
120	Emergency response to the <i>Spodoptera frugiperda</i> invasion in Africa: What do maize producers in Burkina Faso think and do?. <i>African Journal of Agricultural Research</i> Vol Pp, 2023, 19, 101-112.	0.2	2
121	Mechanisms underlying the effects of low concentrations of chlorantraniliprole on development and reproduction of the fall armyworm, <i>Spodoptera frugiperda</i> . <i>Pesticide Biochemistry and Physiology</i> , 2023, 191, 105362.	1.6	3
122	Synergistic effects of chlorantraniliprole and camptothecin on physiological impairments, histopathological, biochemical changes, and genes responses in the larvae midgut of <i>Spodoptera frugiperda</i> . <i>Pesticide Biochemistry and Physiology</i> , 2023, 191, 105363.	1.6	4
123	Enhancing alfalfa resistance to <i>Spodoptera</i> herbivory by sequestering microRNA396 expression. <i>Plant Cell Reports</i> , 2023, 42, 805-819.	2.8	5
124	Coronatine-Based Gene Expression Changes Impart Partial Resistance to Fall Armyworm ( <i>Spodoptera</i> ) Tj ETQq0 0 0,rgBT /Overlock 10 T	1.6	0
125	Risk Assessment of Fluxametamide Resistance and Fitness Costs in Fall Armyworm ( <i>Spodoptera</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	1.6	3
126	Effects of chlorantraniliprole on the life history traits of fall armyworm <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae). <i>Frontiers in Physiology</i> , 0, 14, .	1.3	1
127	Invasion, Distribution, Monitoring and Farmers Perception of Fall Armyworm ( <i>Spodoptera frugiperda</i> ) and Farm-Level Management Practices in Bangladesh. <i>Insects</i> , 2023, 14, 343.	1.0	0
128	Population genomics of fall armyworm by genotyping-by-sequencing: Implications for pest management. <i>PLoS ONE</i> , 2023, 18, e0284587.	1.1	1
129	Farmer perception of impacts of fall armyworm ( <i>Spodoptera frugiperda</i> J.E. Smith) and transferability of its management practices in Uganda. <i>CABI Agriculture and Bioscience</i> , 2023, 4, .	1.1	4
130	Efficacy of Selected Insecticides in Combination with Economic Thresholds in Managing Fall Armyworm (Lepidoptera: Noctuidae) Larvae in Maize Grown in Mexico. <i>Journal of Entomological Science</i> , 2023, 58, .	0.2	1
137	The invasive fall armyworm, <i>Spodoptera frugiperda</i> , in Africa and Asia: responding to the food security challenge, with priorities for integrated pest management research. <i>Journal of Plant Diseases and Protection</i> , 2023, 130, 1175-1206.	1.6	5
152	Detrimental Effects of Agrochemical-Based Agricultural Intensification on Biodiversity: Evidence from Some Past Studies. <i>Sustainable Development and Biodiversity</i> , 2023, , 275-298.	1.4	0