

Neonicotinoid Insecticide Imidacloprid Causes Outbreaks in Urban Landscapes

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Strategy for discovery of a novel miticide Cyenopyrafen which is one of electron transport chain inhibitors. Journal of Pesticide Sciences, 2011, 36, 511-515.	1.4	31
2	Reducing Insecticide Volume and Nontarget Effects of Ambrosia Beetle Management in Nurseries. Journal of Economic Entomology, 2011, 104, 1960-1968.	1.8	57
3	Stakeholder Vision of Future Direction and Strategies for Southeastern U.S. Nursery Pest Research and Extension Programming. Journal of Integrated Pest Management, 2012, 3, 1-8.	2.0	31
4	Reduced Risk Insecticides to Control Scale Insects and Protect Natural Enemies in the Production and Maintenance of Urban Landscape Plants. Environmental Entomology, 2012, 41, 377-386.	1.4	26
6	Alternatives to Chemical Control of Insect Pests. , 2012, , .		3
7	Indirect Effects of Pesticides on Natural Enemies. , 0, , .		35
8	Beyond selectivity: Are behavioral avoidance and hormesis likely causes of pyrethroid-induced outbreaks of the southern red mite <i>Oligonychus ilicis</i> ?. Chemosphere, 2013, 93, 1111-1116.	8.2	78
9	Direct and indirect effects of imidacloprid on fecundity and abundance of <i>Eurytetranychus buxi</i> (Acari: Tetranychidae) on boxwoods. Experimental and Applied Acarology, 2013, 59, 307-318.	1.6	26
10	Macro-Invertebrate Decline in Surface Water Polluted with Imidacloprid. PLoS ONE, 2013, 8, e62374.	2.5	305
11	Impact of Systemic Insecticides on Organisms and Ecosystems. , 0, , .		18
12	Effects of Pesticide Application on Arthropod Pests of Nursery-Grown Maples. Journal of Economic Entomology, 2014, 107, 708-717.	1.8	6
13	Comparative toxicity of an acetogenin-based extract and commercial pesticides against citrus red mite. Experimental and Applied Acarology, 2014, 64, 87-98.	1.6	41
14	Insecticide-induced hormesis and arthropod pest management. Pest Management Science, 2014, 70, 690-697.	3.4	265
15	Responses of Three Natural Enemy Species to Contact and Systemic Insecticide Exposures in Confined Assays. Journal of Entomological Science, 2015, 50, 35-46.	0.3	2
16	General Biology and Current Management Approaches of Soft Scale Pests (Hemiptera: Coccidae). Journal of Integrated Pest Management, 2015, 6, 17.	2.0	27
17	Bt crops benefit natural enemies to control non-target pests. Scientific Reports, 2015, 5, 16636.	3.3	31
18	Incorporation of Biorational Insecticides with Neonicotinoids to Combat Resurgence of <i>Tetranychus urticae</i> (Prostigmata: Tetranychidae) on Rose. Florida Entomologist, 2015, 98, 962-966.	0.5	1
19	Effects of neonicotinoids and fipronil on non-target invertebrates. Environmental Science and Pollution Research, 2015, 22, 68-102.	5.3	639

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20	EDITOR'S CHOICE: Neonicotinoid insecticide travels through a soil food chain, disrupting biological control of non-target pests and decreasing soya bean yield. <i>Journal of Applied Ecology</i> , 2015, 52, 250-260.	4.0	149
21	Citrus rootstocks influence the population densities of pest mites. <i>Ciencia Rural</i> , 2016, 46, 1-6.	0.5	9
22	Beyond Focal Pests: Impact of a Neonicotinoid Seed Treatment and Resistant Soybean Lines on a Non-Target Arthropod. <i>Insects</i> , 2016, 7, 64.	2.2	3
23	Impact of insect growth regulators on the predator <i>Ceraeochrysa cincta</i> (Schneider) (Neuroptera: Tj ETQq1 1 0.784314 rgBT/Overlock 2.4 29	2.4	29
24	Sublethal effects of spinetoram on the two-spotted spider mite, <i>Tetranychus urticae</i> (Acari: Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 582 T 3.6 52	3.6	52
25	Evaluation of Reduced-Risk Insecticides for Armored Scales (Hemiptera: Diaspididae) Infesting Ornamental Plants. <i>Journal of Agricultural and Urban Entomology</i> , 2016, 32, 71-90.	0.6	8
26	Field-Cage Evaluation of Survival, Reproduction, and Feeding Behavior of Adult <i>Scymnus coniferarum</i> (Coleoptera: Coccinellidae), a Predator of <i>Adelges tsugae</i> (Hemiptera: Adelgidae). <i>Environmental Entomology</i> , 2016, 45, 1527-1535.	1.4	4
27	Pesticide-mediated displacement of a phytoseiid predator, <i>Neoseiulus womersleyi</i> , by another phytoseiid predator, <i>N. californicus</i> (Acari: Phytoseiidae). <i>Experimental and Applied Acarology</i> , 2016, 69, 453-464.	1.6	6
28	Competitive release and outbreaks of non-target pests associated with transgenic <i>Bt</i> cotton. <i>Ecological Applications</i> , 2016, 26, 1047-1054.	3.8	36
29	Comparative toxicity of imidacloprid and thiacloprid to different species of soil invertebrates. <i>Ecotoxicology</i> , 2017, 26, 555-564.	2.4	80
30	The environmental risks of neonicotinoid pesticides: a review of the evidence post 2013. <i>Environmental Science and Pollution Research</i> , 2017, 24, 17285-17325.	5.3	405
31	Behavioural effects of the neonicotinoid insecticide thiamethoxam on the predatory insect <i>Platynus assimilis</i> . <i>Ecotoxicology</i> , 2017, 26, 902-913.	2.4	22
32	Effects of a pyrethroid and two neonicotinoid insecticides on population dynamics of key pests of soybean and abundance of their natural enemies. <i>Crop Protection</i> , 2017, 98, 24-32.	2.1	35
33	Sublethal effects of pyrethroid and neonicotinoid insecticides on <i>Iphiseiodes zuluagai</i> Denmark and <i>Muma</i> (Mesostigmata: Phytoseiidae). <i>Ecotoxicology</i> , 2017, 26, 1188-1198.	2.4	17
34	Effects of Spinosad, Imidacloprid, and Lambda-cyhalothrin on Survival, Parasitism, and Reproduction of the Aphid Parasitoid <i>Aphidius colemani</i> . <i>Journal of Economic Entomology</i> , 2018, 111, 1096-1103.	1.8	28
35	Foliar application of macro- and micronutrients for pest mites control in citrus crops. <i>Food and Energy Security</i> , 2018, 7, e00132.	4.3	4
36	UV-irradiation and leaching in water reduce the toxicity of imidacloprid-contaminated leaves to the aquatic leaf-shredding amphipod <i>Gammarus fossarum</i> . <i>Environmental Pollution</i> , 2018, 236, 119-125.	7.5	9
37	Potential impacts of orchard pesticides on <i>Tetranychus urticae</i> : A predator-prey perspective. <i>Crop Protection</i> , 2018, 103, 56-64.	2.1	32

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38	Spraying pyrethroid and neonicotinoid insecticides can induce outbreaks of <i>Panonychus citri</i> (Trombidiformes: Tetranychidae) in citrus groves. <i>Experimental and Applied Acarology</i> , 2018, 76, 339-354.	1.6	14
39	<i>Insect Pest Management</i> , 2018, , 1015-1078.		3
40	Improved Trap Designs and Retention Mechanisms for <i>Halyomorpha halys</i> (Hemiptera: Pentatomidae). <i>Journal of Economic Entomology</i> , 2018, 111, 2136-2142.	1.8	15
41	When insecticide spraying ceases prematurely <i>Tetranychus urticae</i> mites are not killed by predators, they wither and die <i>in situ</i> . <i>International Journal of Pest Management</i> , 2019, 65, 161-164.	1.8	1
42	Urbanization Shapes the Ecology and Evolution of Plant-Arthropod Herbivore Interactions. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	2.2	70
43	A method to investigate neonicotinoid resistance in mites. <i>Experimental and Applied Acarology</i> , 2019, 79, 345-357.	1.6	3
44	Lethal and Sublethal Toxicity of Thiamethoxam and Clothianidin Commercial Formulations to Soil Invertebrates in a Natural Soil. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 2111-2120.	4.3	15
45	Impact of vineyard agrochemicals against <i>Panonychus ulmi</i> (Acari: Tetranychidae) and its natural enemy, <i>Neoseiulus californicus</i> (Acari: Phytoseiidae) in Brazil. <i>Crop Protection</i> , 2019, 123, 5-11.	2.1	16
46	Urbanization decreases the extent and variety of leaf herbivory for native canopy tree species <i>Quercus rubra</i> , <i>Quercus alba</i> , and <i>Acer saccharum</i> . <i>Urban Ecosystems</i> , 2019, 22, 907-916.	2.4	5
47	Neonicotinoid Insecticides Alter the Transcriptome of Soybean and Decrease Plant Resistance. <i>International Journal of Molecular Sciences</i> , 2019, 20, 783.	4.1	20
48	Engaging urban stakeholders in the sustainable management of arthropod pests. <i>Journal of Pest Science</i> , 2019, 92, 987-1002.	3.7	16
49	Incidence of resistance to neonicotinoid insecticides in <i>Bactericera cockerelli</i> across Southwest U.S.. <i>Crop Protection</i> , 2019, 116, 188-195.	2.1	29
50	Neonicotinoids pose undocumented threats to food webs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 22609-22613.	7.1	45
51	Thiamethoxam Differentially Impacts the Survival of the Generalist Predators, <i>Orius insidiosus</i> (Hemiptera: Anthocoridae) and <i>Hippodamia convergens</i> (Coleoptera: Coccinellidae), When Exposed via the Food Chain. <i>Journal of Insect Science</i> , 2020, 20, .	1.5	7
52	<i>Insecticides</i> , 2020, , 185-208.		1
53	Influence of a Neonicotinoid Seed Treatment on a Nontarget Herbivore of Soybean (Twospotted Spider) <i>Tetranychus bimaculatus</i> . <i>Entomology</i> , 2020, 49, 461-472.	1.4	0
54	Timing and order of different insecticide classes drive control of <i>Drosophila suzukii</i> ; a modeling approach. <i>Journal of Pest Science</i> , 2021, 94, 743-755.	3.7	15
55	Influence of Pre-Sowing Operations on Soil-Dwelling Fauna in Soybean Cultivation. <i>Agriculture (Switzerland)</i> , 2021, 11, 474.	3.1	4

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56	Efficacy of three biopesticides against cotton pests under field conditions in South Africa. <i>Crop Protection</i> , 2021, 145, 105578.	2.1	13
57	Efficacy of some pesticides against <i>Tetranychus urticae</i> Koch (Acari: Tetranychidae) and their residual effects on <i>Coccinella septempunctata</i> (L.) (Coleoptera: Coccinellidae). <i>International Journal of Tropical Insect Science</i> , 2022, 42, 615-626.	1.0	2
58	Newer characters, same story: neonicotinoid insecticides disrupt food webs through direct and indirect effects. <i>Current Opinion in Insect Science</i> , 2021, 46, 50-56.	4.4	36
59	Sublethal and transgenerational effects of acetamiprid and imidacloprid on the predatory bug <i>Orius sauteri</i> (Poppius) (Hemiptera: Anthocoridae). <i>Chemosphere</i> , 2020, 255, 126778.	8.2	24
60	Gloomy Scale (Hemiptera: Diaspididae) Ecology and Management on Landscape Trees. <i>Journal of Integrated Pest Management</i> , 2020, 11, .	2.0	5
61	Neonicotinoid Insecticides Alter Induced Defenses and Increase Susceptibility to Spider Mites in Distantly Related Crop Plants. <i>PLoS ONE</i> , 2013, 8, e62620.	2.5	93
62	Combinations of plant water-stress and neonicotinoids can lead to secondary outbreaks of Banks grass mite (<i>Oligonychus pratensis</i> Banks). <i>PLoS ONE</i> , 2018, 13, e0191536.	2.5	12
63	IMPACT OF ENVIRONMENTAL CONDITIONS AND AGROTECHNICAL FACTORS ON GROUND BEETLE POPULATIONS IN ARABLE CROPS. <i>Applied Ecology and Environmental Research</i> , 2017, 15, 697-711.	0.5	5
64	THE GROUND BEETLE (COLEOPTERA: CARABIDAE) COMMUNITY IN AN INTENSIVELY MANAGED AGRICULTURAL LANDSCAPE. <i>Applied Ecology and Environmental Research</i> , 2017, 15, 661-674.	0.5	6
65	Impact of Cover Cropping on Non-Target Arthropod Pests of Red Maple Trees in Nursery Production. <i>Florida Entomologist</i> , 2019, 102, 187.	0.5	4
66	Spray Penetration and Natural Enemy Survival in Dense and Sparse Plant Canopies Treated with Carbaryl: Implications for Chemical and Biological Control1. <i>Journal of Environmental Horticulture</i> , 2018, 36, 21-29.	0.5	4
67	Chlorantraniliprole: Reduced-risk Insecticide for Controlling Insect Pests of Woody Ornamentals with Low Hazard to Bees. <i>Arboriculture and Urban Forestry</i> , 2017, 43, .	0.6	4
68	Meta-analysis reveals that seed-applied neonicotinoids and pyrethroids have similar negative effects on abundance of arthropod natural enemies. <i>PeerJ</i> , 2016, 4, e2776.	2.0	70
69	Effects of Dinotefuran and Imidacloprid on Target and Non-target Arthropods on American Elm. <i>Arboriculture and Urban Forestry</i> , 2013, 39, .	0.6	2
70	A Survey of Key Arthropod Pests on Common Southeastern Street Trees. <i>Arboriculture and Urban Forestry</i> , 2019, 45, .	0.6	4
71	Effects of Different Doses of Imidacloprid on the Life Table of <i>Panonychus ulmi</i> Koch (Acari: Tj ETQq1 1 0.784314 rgBT /Overlock 10 TFS Ersoy Aoeniversitesi Fen Bilimleri Enstiti 1/4s 1/4 Dergisi, 2019, 10, 159-165.	0.3	0
72	Integrated pest management can still deliver on its promise, with help from the bees. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2118532118.	7.1	0
73	Effects of Imidacloprid on Spider Mite (Acari: Tetranychidae) Abundance and Associated Injury to Boxwood (<i>Buxus</i> spp.). <i>Arboriculture and Urban Forestry</i> , 2012, 38, 37-40.	0.6	5

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74	Insect growth regulators elicit transovarial effects on <i>Teleonemia scrupulosa</i> (Hemiptera: Tj ETQq0 0 0 rgBT ₃ /Overlock ₂ 10 Tf 50 7	3.4	2
75	Early-season plant cover supports more effective pest control than insecticide applications. <i>Ecological Applications</i> , 2022, 32, e2598.	3.8	12
76	Outbreak and Insecticide Susceptibility of Pod Feeding-larvae on Cocoa in Ghana. <i>Pertanika Journal of Science and Technology</i> , 2022, 45, 55-73.	0.3	2
77	Effect of Insecticides on Natural-Enemies. , 0, , .		1
80	Isolation, purification and biochemical characterization of <i>Conopomorpha cramerella</i> farnesol dehydrogenase. <i>Insect Molecular Biology</i> , 0, , .	2.0	0
81	Urban tree pests can support biological control services in landscape shrubs. <i>BioControl</i> , 2023, 68, 375-386.	2.0	0
82	Hormetic effects of neonicotinoid insecticides on <i>Rhizoglyphus robini</i> (Acari: Acaridae). <i>Pesticide Biochemistry and Physiology</i> , 2023, 192, 105396.	3.6	1
83	Effects of neonicotinoid seed treatment on maize anti-herbivore defenses vary across plant genotypes. <i>Journal of Pest Science</i> , 2024, 97, 199-212.	3.7	0
84	Vegetative Endotherapy – Advances, Perspectives, and Challenges. <i>Agriculture (Switzerland)</i> , 2023, 13, 1465.	3.1	3
85	Effects of neonicotinoid insecticide trunk injections on non-target arboreal ants, potential biological control agents for invasive longhorn beetle <i>Aromia bungii</i> on cherry trees. <i>Applied Entomology and Zoology</i> , 2023, 58, 401-407.	1.2	2
86	The impact of thiamethoxam on the feeding and behavior of 2 soybean herbivore feeding guilds. <i>Journal of Economic Entomology</i> , 2023, 116, 1621-1635.	1.8	1