

Exposure to a glyphosate-based herbicide affects agrobiont behaviour and long-term survival

Ecotoxicology

19, 1249-1257

DOI: [10.1007/s10646-010-0509-9](https://doi.org/10.1007/s10646-010-0509-9)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Two heteropteran predators in relation to weed management in herbicide-tolerant corn. <i>Biological Control</i> , 2011, 59, 30-36.	1.4	33
2	Effects of a glyphosate-based herbicide on mate location in a wolf spider that inhabits agroecosystems. <i>Chemosphere</i> , 2011, 84, 1461-1466.	4.2	29
3	Glyphosate in northern ecosystems. <i>Trends in Plant Science</i> , 2012, 17, 569-574.	4.3	162
4	Spiders (Araneae) in the pesticide world: an ecotoxicological review. <i>Pest Management Science</i> , 2012, 68, 1438-1446.	1.7	116
5	Acetochlor application at field-rate compromises the locomotion of the jumping spider <i>Plexippus paykulli</i> (Araneae: Salticidae). <i>African Journal of Agricultural Research Vol Pp</i> , 2012, 7, .	0.2	0
6	Evaluation of Earthworms Present on Natural and Agricultural-Livestock Soils of the Center Northern Litoral Santafesino, Republica Argentina. , 2012, , .		1
7	Lethal effect of imidacloprid on the coccinellid predator <i>Serangium japonicum</i> and sublethal effects on predator voracity and on functional response to the whitefly <i>Bemisia tabaci</i> . <i>Ecotoxicology</i> , 2012, 21, 1291-1300.	1.1	147
8	Predator cues and an herbicide affect activity and emigration in an agrobiont wolf spider. <i>Chemosphere</i> , 2012, 87, 390-396.	4.2	36
9	Using organic-certified rather than synthetic pesticides may not be safer for biological control agents: Selectivity and side effects of 14 pesticides on the predator <i>Orius laevigatus</i> . <i>Chemosphere</i> , 2012, 87, 803-812.	4.2	350
10	Acetylcholinesterase in honey bees (<i>Apis mellifera</i>) exposed to neonicotinoids, atrazine and glyphosate: laboratory and field experiments. <i>Environmental Science and Pollution Research</i> , 2013, 20, 5603-5614.	2.7	138
11	Glyphosate-Based Herbicide Has Contrasting Effects on Prey Capture by Two Co-Occurring Wolf Spider Species. <i>Journal of Chemical Ecology</i> , 2013, 39, 1247-1253.	0.9	25
12	Survival and behavior of the insecticide-exposed predators <i>Podisus nigrispinus</i> and <i>Supputius cincticeps</i> (Heteroptera: Pentatomidae). <i>Chemosphere</i> , 2013, 93, 1043-1050.	4.2	62
13	The lethal and sublethal effects of three pesticides on the striped lynx spider (<i>Oxyopes tj ETQq0 0 0 rgBT /Overlock 10</i>)	0.8	17
14	Side Effect of Synthetic Pesticides on Spiders. , 2013, , 415-427.		8
15	Pesticides: Environmental Impacts and Management Strategies. , 0, , .		127
16	Changes in Arthropod Fauna From Weed Management Practices in Genetically Modified Herbicide-Tolerant Maize. <i>Journal of Agricultural Science</i> , 2014, 6, .	0.1	1
17	Insecticide toxicity and walking response of three pirate bug predators of the tomato leaf miner <i>Tuta absoluta</i> . <i>Agricultural and Forest Entomology</i> , 2014, 16, 293-301.	0.7	36
18	Genotoxic effects of glyphosate or paraquat on earthworm coelomocytes. <i>Environmental Toxicology</i> , 2014, 29, 612-620.	2.1	26

#	ARTICLE	IF	CITATIONS
19	Sublethal pesticide exposure disrupts courtship in the striped lynx spider, <i>Oxyopes salticus</i> (Araneae: Oxyopidae). <i>Journal of Applied Entomology</i> , 2014, 138, 141-148.	0.8	5
20	The importance of intraguild predation in predicting emergent multiple predator effects. <i>Ecology</i> , 2014, 95, 2936-2945.	1.5	31
21	Occurrence of Glyphosate in Water Bodies Derived from Intensive Agriculture in a Tropical Region of Southern Mexico. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2014, 93, 289-293.	1.3	55
22	The Spider Assemblage of Olive Groves Under Three Management Systems. <i>Environmental Entomology</i> , 2015, 44, 509-518.	0.7	22
23	Wigglesworthia morsitans Folate (Vitamin B ₉) Biosynthesis Contributes to Tsetse Host Fitness. <i>Applied and Environmental Microbiology</i> , 2015, 81, 5375-5386.	1.4	53
24	Weed management practices affect the diversity and relative abundance of physic nut mites. <i>Experimental and Applied Acarology</i> , 2015, 65, 359-375.	0.7	10
25	Effect of plant protection on assemblages of ground beetles (Coleoptera, Carabidae) in pea (Pisum L.) and lupine (Lupinus L.) crops. <i>Periodicum Biologorum</i> , 2016, 118, 213-222.	0.1	3
26	Disruption of the chemical communication of the European agrobiont ground-dwelling spider <i>Pardosa agrestis</i> by pesticides. <i>Journal of Applied Entomology</i> , 2016, 140, 609-616.	0.8	11
27	Effect of two commercial herbicides on life history traits of a human disease vector, <i>Aedes aegypti</i> , in the laboratory setting. <i>Ecotoxicology</i> , 2016, 25, 863-870.	1.1	13
28	Indirect effects of herbicides on biota in terrestrial edge-of-field habitats: A critical review of the literature. <i>Agriculture, Ecosystems and Environment</i> , 2016, 232, 59-72.	2.5	43
29	Glyphosate sub-lethal toxicity to non-target organisms occurring in <i>Jatropha curcas</i> plantations in Brazil. <i>Experimental and Applied Acarology</i> , 2016, 70, 179-187.	0.7	9
30	The effect of eight common herbicides on the predatory activity of the agrobiont spider <i>Pardosa agrestis</i> . <i>BioControl</i> , 2016, 61, 507-517.	0.9	26
31	Sublethal effect of agronomical surfactants on the spider <i>Pardosa agrestis</i> . <i>Environmental Pollution</i> , 2016, 213, 84-89.	3.7	20
32	Biological Limitations on Glyphosate Biodegradation. , 2017, , 179-201.		7
33	Pesticide Residue in Foods. , 2017, , .		14
34	A full life-cycle bioassay with <i>Cantareus aspersus</i> shows reproductive effects of a glyphosate-based herbicide suggesting potential endocrine disruption. <i>Environmental Pollution</i> , 2017, 226, 240-249.	3.7	19
35	Management of Pesticides: Purposes, Uses, and Concerns. , 2017, , 53-86.		4
36	Green Technologies and Environmental Sustainability. , 2017, , .		24

#	ARTICLE	IF	CITATIONS
37	Treating Prey With Glyphosate Does Not Alter the Demographic Parameters and Predation of the <i>Harmonia axyridis</i> (Coleoptera: Coccinellidae). <i>Journal of Economic Entomology</i> , 2017, 110, tow325.	0.8	8
38	Natural Compounds as Spider Repellents: Fact or Myth?. <i>Journal of Economic Entomology</i> , 2018, 111, 314-318.	0.8	9
39	Effects of glyphosate on the non-target leaf beetle <i>Ceratomyza arcuata</i> (Coleoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 667 Td Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2018, 53, 447-453.	0.7	11
40	Tillage and herbicide reduction mitigate the gap between conventional and organic farming effects on foraging activity of insectivorous bats. <i>Ecology and Evolution</i> , 2018, 8, 1496-1506.	0.8	17
41	Impact of an atrazine-based herbicide on an agrobiont wolf spider. <i>Chemosphere</i> , 2018, 201, 459-465.	4.2	13
42	Glyphosate-based herbicides toxicity on life history parameters of zoophytophagous <i>Podisus nigrispinus</i> (Heteroptera: Pentatomidae). <i>Ecotoxicology and Environmental Safety</i> , 2018, 147, 245-250.	2.9	9
43	Contact with a glyphosate-based herbicide has long-term effects on the activity and foraging of an agrobiont wolf spider. <i>Chemosphere</i> , 2018, 194, 714-721.	4.2	20
44	Lethal and behavioral effects of synthetic and organic insecticides on <i>Spodoptera exigua</i> and its predator <i>Podisus maculiventris</i> . <i>PLoS ONE</i> , 2018, 13, e0206789.	1.1	16
45	Glyphosate: A review of its global use, environmental impact, and potential health effects on humans and other species. <i>Journal of Environmental Studies and Sciences</i> , 2018, 8, 416-434.	0.9	98
46	Non-target toxicity of synthetic insecticides on the biological performance and population growth of <i>Bracon hebetor</i> Say. <i>Ecotoxicology</i> , 2018, 27, 1019-1031.	1.1	7
47	Weed and insect management alter soil arthropod densities, soil nutrient availability, plant productivity, and aphid densities in an annual legume cropping system. <i>Applied Soil Ecology</i> , 2018, 130, 120-133.	2.1	2
48	Atrazine exposure shifts activity but has minimal effects on courtship in an agrobiont spider. <i>Ecotoxicology</i> , 2019, 28, 499-506.	1.1	4
49	Synergistic effects of glyphosate formulation herbicide and tank-mixing adjuvants on <i>Pardosa</i> spiders. <i>Environmental Pollution</i> , 2019, 249, 338-344.	3.7	39
50	Effect of Pesticides on Biological Control Potential of <i>Neoscona theisi</i> (Araneae: Araneidae). <i>Journal of Insect Science</i> , 2019, 19, .	0.6	21
51	Prey contaminated with neonicotinoids induces feeding deterrent behavior of a common farmland spider. <i>Scientific Reports</i> , 2019, 9, 15895.	1.6	13
52	Effects of glufosinate-ammonium herbicide and pod sealant on spider <i>Pardosa agrestis</i> . <i>Journal of Applied Entomology</i> , 2019, 143, 196-203.	0.8	11
53	Effects of a glyphosate-based herbicide on survival and oxidative status of a non-target herbivore, the Colorado potato beetle (<i>Leptinotarsa decemlineata</i>). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019, 215, 47-55.	1.3	11
54	The Potential of Spectral Measurements for Identifying Glyphosate Application to Agricultural Fields. <i>Agronomy</i> , 2020, 10, 1409.	1.3	15

#	ARTICLE	IF	CITATIONS
55	Ecotoxicological effects of new C-substituted derivatives of N-phosphonomethylglycine (glyphosate) and their preliminary evaluation towards herbicidal application in agriculture. <i>Ecotoxicology and Environmental Safety</i> , 2020, 194, 110331.	2.9	4
56	Glyphosate-based herbicide has soil-mediated effects on potato glycoalkaloids and oxidative status of a potato pest. <i>Chemosphere</i> , 2020, 258, 127254.	4.2	13
57	The pest-specific effects of glyphosate on functional response of a wolf spider. <i>Chemosphere</i> , 2021, 262, 127785.	4.2	15
58	Roundup negatively impacts the behavior and nerve function of the Madagascar hissing cockroach (<i>Gromphadorhina portentosa</i>). <i>Environmental Science and Pollution Research</i> , 2021, 28, 32933-32944.	2.7	8
59	Male chemotactile cues are not attractive advertisements to <i>Pardosa milvina</i> (Araneae: Lycosidae) females in search of mates. <i>Journal of Arachnology</i> , 2021, 48, .	0.3	0
60	Glyphosate inhibits melanization and increases susceptibility to infection in insects. <i>PLoS Biology</i> , 2021, 19, e3001182.	2.6	38
61	Glyphosate: A Review on the Current Environmental Impacts from a Brazilian Perspective. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021, 107, 385-397.	1.3	10
62	Effect of profenofos and citrus oil on <i>Cryptolaemus montrouzieri</i> Mulsant and <i>Chrysoperla carnea</i> Stephens, key predators of citrus mealybug, <i>Planococcus citri</i> (Risso), under laboratory conditions. <i>International Journal of Tropical Insect Science</i> , 2022, 42, 379-387.	0.4	5
63	Direct herbicide effects on terrestrial nontarget organisms belowground and aboveground. , 2021, , 181-229.		5
65	Weeds and ground-dwelling predators's response to two different weed management systems in glyphosate-tolerant cotton: A farm-scale study. <i>PLoS ONE</i> , 2018, 13, e0191408.	1.1	10
66	Effects of so-called "environmentally friendly" agrochemicals on the harlequin ladybird <i>Harmonia axyridis</i> (Coleoptera: Coccinellidae). <i>European Journal of Entomology</i> , 0, 116, 173-177.	1.2	8
67	Comparative Analyses of Glyphosate Alternative Weed Management Strategies on Plant Coverage, Soil and Soil Biota. <i>Sustainability</i> , 2021, 13, 11454.	1.6	4
68	Advantages, risks and legal perspectives of GMOs in 2020s. <i>Plant Biotechnology Reports</i> , 2021, 15, 741-751.	0.9	9
69	Evaluation of Behavioral Changes and Tissue Damages in Common Carp (<i>Cyprinus carpio</i>) after Exposure to the Herbicide Glyphosate. <i>Veterinary Sciences</i> , 2021, 8, 218.	0.6	31
70	Research on Determination of Effects on Arthropods Living in Cultivated Plant of Wood Vinegar and Pesticides on Wheat Agroecosystems. <i>Bitlis Eren Üniversitesi Fen Bilimleri Dergisi</i> , 2018, 7, 39-45.	0.1	5
71	Glyphosate Impact on Arthropods Associated to Roundup Ready and Conventional Soybean (<i>Glycine</i>) Tj ETQq1 1 0,784314 rgBT /Over	0,5	4
72	Nontarget Impacts of Herbicides on Spiders in Orchards. <i>Journal of Economic Entomology</i> , 2022, 115, 65-73.	0.8	8
73	Morphospecies Abundance of Above-Ground Invertebrates in Agricultural Systems under Glyphosate and Microplastics in South-Eastern Mexico. <i>Environments - MDPI</i> , 2021, 8, 130.	1.5	6

#	ARTICLE	IF	CITATIONS
74	The toxicity of the glyphosate herbicide for <i>Pardosa</i> spiders's predatory activity depends on the formulation of the glyphosate product. <i>Environmental Chemistry Letters</i> , 2022, 20, 983-990.	8.3	6
75	Glyphosate and aminomethylphosphonic (AMPA) contents in Brazilian field crops soils. <i>Agronomy Science and Biotechnology</i> , 0, 8, 1-18.	0.3	2
76	A Roundup Herbicide Causes High Mortality and Impairs Development of <i>Chrysoperla Carnea</i> (Stephens) (Neuroptera: Chrysopidae). <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
77	Assessment of Environmental Impacts of Pesticides: Evidence from Meta-Analysis. , 2022, , 235-252.		0
78	Contact exposure to neonicotinoid insecticides temporarily suppresses the locomotor activity of <i>Pardosa lugubris</i> agrobiont wolf spiders. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
79	Does pesticide use in agriculture present a risk to the terrestrial biota?. <i>Science of the Total Environment</i> , 2023, 861, 160715.	3.9	11
80	Lethal and sublethal effects of five common herbicides on the wolf spider, <i>Pardosa milvina</i> (Araneae: Tj ETQq0 0 0 ggBT /Overlock 10 Tf	1.1	2
81	A Roundup herbicide causes high mortality and impairs development of <i>Chrysoperla carnea</i> (Stephens) (Neuroptera: Chrysopidae). <i>Science of the Total Environment</i> , 2023, 865, 161158.	3.9	5
82	Herbicide Effects on Nontarget Organisms, Biodiversity and Ecosystem Functions. , 2024, , 239-257.		1
84	In silico approaches for xenobiotic polymers and their degradation mechanism. , 2023, , 479-501.		1
85	Effect of the Insecticide Chlorpyrifos on Behavioral and Metabolic Aspects of the Spider <i>Polybetes pythagoricus</i> . <i>Environmental Toxicology and Chemistry</i> , 2023, 42, 1293-1308.	2.2	0
86	The effects of short-term glyphosate-based herbicide exposure on insect gene expression profiles. <i>Journal of Insect Physiology</i> , 2023, 146, 104503.	0.9	2
87	Improved Chromatography and MS-Based Detection of Glyphosate and Aminomethylphosphonic Acid Using iTrEnDi. <i>Journal of the American Society for Mass Spectrometry</i> , 2023, 34, 948-957.	1.2	1
88	Overhauling the ecotoxicological impact of synthetic pesticides using plants's natural products: a focus on <i>Zanthoxylum</i> metabolites. <i>Environmental Science and Pollution Research</i> , 2023, 30, 67997-68021.	2.7	2
96	Impact of pesticide application: Positive and negative side. , 2024, , 155-178.		0