



IMPACTS TO NON-TARGET SPECIES

Author	Year	Title	Link
Ade et al.	2010	Effects of an Insecticide and Potential Predators on Green Frogs and Northern Cricket Frogs	http://www.bioone.org/doi/abs/10.1670/09-140.1
Amasekare & Shearer	2013	Comparing Effects of Insecticides on Two Green Lacewings Species, Chrysoperla johnsoni and Chrysoperla carnea	http://jee.oxfordjournals.org/content/106/3/1126.abstract
Antary et al.	2010	Toxicity of Certain Insecticides to the Parasitoid Diaeretiella rapae and its Host, the Cabbage Aphid Brevicoryne brassicae	http://www.researchgate.net/publication/228888860_Toxicity_of_Certain_Insecticides_to_the_Parasitoid_Diaeretiella_Rapae_(Mcintosh)(Hymenoptera_Aphidiidae)_and_its_Host_the_Cabbage_Aphid_Brevicoryne
Barbieri et al.	2013	A neurotoxic pesticide changes the outcome of aggressive interactions between native and invasive ants	http://rspb.royalsocietypublishing.org/content/280/1772/20132157.short
Benamu et al.	2017	Nanostructural and mechanical property changes to spider silk as a consequence of insecticide exposure	https://www.ncbi.nlm.nih.gov/pubmed/28445817
Biesmeijer et al.	2006	Parallel Declines in Pollinators and Insect-Pollinated Plants in Britain and the Netherlands	http://www.sciencemag.org/content/313/5785/351.short
Bijleveld van Lexmond et al.	2014	Worldwide integrated assessment on systemic pesticides	http://link.springer.com/article/10.1007/s11356-014-3220-1
Botias et al.	2016	Contamination of wild plants near neonicotinoid seed-treated crops, and implications for non-target insects	http://www.sciencedirect.com/science/article/pii/S0048969716309950
Bredeson et al.	2014	The effects of insecticide dose and herbivore density on tri-trophic effects of thiamethoxam in a system involving wheat, aphids, and ladybeetles	http://www.sciencedirect.com/science/article/pii/S0261219414003822
Bro et al.	2016	Residues of plant protection products in grey partridge eggs in French cereal ecosystems	http://www.ncbi.nlm.nih.gov/pubmed/26841780
Brooks et al.	2012	Large carabid beetle declines in a United Kingdom monitoring network increases evidence for a widespread loss in insect biodiversity	http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2664.2012.02194.x/full

Camp and Buchwalter	2016	<u>Can't take the heat: Temperature-enhanced toxicity in the mayfly <i>Isonychia bicolor</i> exposed to the neonicotinoid insecticide imidacloprid</u>	<u>Can't take the heat at Temperature-enhanced toxicity in the mayfly <i>Isonychia bicolor</i> exposed to the neonicotinoid insecticide imidacloprid</u>
Carmargo et al.	2017	<u>Thiamethoxam Toxicity and Effects on Consumption Behavior in <i>Orius insidiosus</i> (Hemiptera: Anthoridae) on Soybean</u>	<u>https://www.ncbi.nlm.nih.gov/pubmed/28369319</u>
Cavallaro et al.	2016	<u>Comparative chronic toxicity of imidacloprid, clothianidin, and thiamethoxam to <i>Chironomus Dilutus</i> and estimation of toxic equivalency factors</u>	<u>http://onlinelibrary.wiley.com/doi/10.1002/etc.3536/abstract</u>
Cloyd & Dickinson	2006	<u>Effect of Insecticides on Mealybug Destroyer and Parasitoid <i>Leptomastix dactylopii</i>, Natural Enemies of Citrus Mealybug</u>	<u>http://jee.oxfordjournals.org/content/99/5/1596.abstract</u>
Donley	2016	<u>Toxic Concoctions: How the EPA ignores the dangers of toxic cocktails</u>	<u>https://www.biologicaldiversity.org/campaigns/pesticides_reduction/pdfs/Toxic_concoctions.pdf</u>
Easton & Goulson	2013	<u>The Neonicotinoid Insecticide Imidacloprid Repels Pollinating Flies and Beetles at Field-Realistic Concentrations</u>	<u>http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0054819</u>
Fogel et al.	2013	<u>Impact of the neonicotinoid acetamiprid on immature stages of the predator <i>Eriopis connexa</i></u>	<u>http://link.springer.com/article/10.1007/s10646-013-1094-5#page-1</u>
Fogel et al.	2016	<u>Toxicity assessment of four insecticides with different modes of action on pupae and adults of <i>Eriopis connexa</i> (Coleoptera: Coccinellidae), a relevant predator of the Neotropical Region</u>	<u>http://link.springer.com/article/10.1007/s11356-016-6654-9</u>
Forister et al.	2016	<u>Increasing neonicotinoid use and the declining butterfly fauna of lowland California</u>	<u>http://rsbl.royalsocietypublishing.org/content/12/8/20160475</u>
Gilburn	2015	<u>Are neonicotinoid insecticides driving declines of widespread butterflies?</u>	<u>https://peerj.com/articles/1402/</u>
Gontijo et al.	2014	<u>Non-target effects of two sunflower seed treatments on <i>Orius insidiosus</i> (Hemiptera:Anthoridae)</u>	<u>http://onlinelibrary.wiley.com/doi/10.1002/ps.3798/abstract?deniedAccessCustomisedMessage=&userIsAuthenticated=false</u>

Gontijo et al.	2014	Non-target effects of chlorantraniliprole and thiamethoxam on <i>Chrysoperla carnea</i> when employed as sunflower seed treatments	http://link.springer.com/article/10.1007/s10340-014-0611-5
Goulson	2014	Pesticides linked to bird declines	http://www.researchgate.net/publication/264056414 ECOLOGY Pesticides linked to bird declines
Hallmann et al.	2014	Declines in insectivorous birds are associated with high neonicotinoid concentrations	http://www.ncbi.nlm.nih.gov/pubmed/25030173
He et al.	2012	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>	http://link.springer.com/article/10.1007/s10646-012-0883-6
Heimbach et al.	2016	Large-scale monitoring of effects of clothianidin dressed oilseed rape seeds on pollinating insects in Northern Germany: implementation of the monitoring project and its representativeness	http://link.springer.com/article/10.1007/s10646-016-1724-9
Hoffman & Castle	2012	Imidacloprid in Melon Guttation Fluid: A Potential Mode of Exposure for Pest and Beneficial Organisms	http://jee.oxfordjournals.org/content/105/1/67.abstract
Hoy et al.	2011	Observations of <i>Brachygnathia Superior</i> in Wild Ruminants in Western Montana, USA	http://socpvs.org/journals/index.php/wbp/article/viewFile/10.2461-wbp.2011.7.13/252
James & Xu	2012	Mechanisms by which pesticides affect insect immunity	http://www.sciencedirect.com/science/article/pii/S0022201111002540
Kindemba	2009	The impact of neonicotinoid insecticides on bumblebees, Honey bees and other non-target invertebrates (revised)	http://www.beyondpesticides.org/pollinators/Neonicotinoid%20insecticides%20report-1.pdf
Krischik et al.	2015	Soil-Applied Imidacloprid Translocates to Ornamental Flowers and Reduces Survival of Adult <i>Coleomegilla maculata</i>, <i>Harmonia axyridis</i>, and <i>Hippodamia convergens</i> Lady Beetles, and Larval <i>Danaus plexippus</i> and <i>Vanessa cardui</i> Butterflies	http://www.ncbi.nlm.nih.gov/pubmed/25799432
Li et al.	2014	Acute and sublethal effects of neonicotinoids and pymetrozine on an important egg parasitoid, <i>Trichogramma ostrinae</i> (Hymenoptera: Trichogrammatidae)	http://www.tandfonline.com/doi/abs/10.1080/09583157.2014.957163

Liess & Beketov	2011	Traits and stress: keys to identify community effects of low levels of toxicants in test systems	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3134711/
Lopez-Anita et al.	2014	Imidacloprid-treated seed in gestion has lethal effect on adult partridges and reduces both breeding investment and off spring immunity	http://www.sciencedirect.com/science/article/pii/S0013935114003879
Lopez-Anita et al.	2016	Risk assessment of pesticide seed treatment for farmland birds	http://onlinelibrary.wiley.com/doi/10.1111/1365-2664.12668/abstract
Lounsbury	2008	Pollinators and Pesticides Escalating crisis demands action	http://beyondpesticides.org/info/services/pesticidesandyou/Fall08/pollinators.pdf
Mansoor et al.	2014	Post-exposure temperature influence on the toxicity of conventional and new chemistry insecticides to green lacewing <i>Chrysoperla carnea</i> (Stephens) (Neuroptera: Chrysopidae)	http://www.sciencedirect.com/science/article/pii/S1319562X14001375
Martinou et al.	2014	Lethal and behavioral effects of pesticides on the insect predator <i>Macrolophus pygmaeus</i>	http://www.sciencedirect.com/science/article/pii/S0045653513014239
Mateo et al.	2016	Risk assessment of lead poisoning and pesticide exposure in the declining population of red-breasted goose (<i>Brantaruficollis</i>) wintering in Eastern Europe	http://www.sciencedirect.com/science/article/pii/S0013935116303000
Milot et al.	2016	Field evidence of bird poisonings by imidacloprid-treated seeds: a review of incidents reported by the French SAGIR network from 1995 to 2014	http://link.springer.com/article/10.1007/s11356-016-8272-y
Mineau & Palmer	2013	The Impact of the Nation's Most Widely Used Insecticides on Birds	http://extension.entm.purdue.edu/neonicotinoids/PDF/TheImpactoftheNationsMostWidelyUsedInsecticidesonBirds.pdf
Mineau & Whiteside	2013	Pesticide Acute Toxicity Is A Better Correlate of US Grassland Bird Declines than Agricultural Intensification	http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0057457
Moser & Obrycki	2009	Non-target effects of neonicotinoid seed treatments; mortality of coccinellid larvae related to zoophytophagy	http://www.sciencedirect.com/science/article/pii/S1049964409002291
Mullin et al.	2005	Toxic and Behavioral Effects to Carabidae of Seed Treatments Used on Cry3Bb1- and Cry1Ab/c-Protected Corn	http://ee.oxfordjournals.org/content/34/6/1626.abstract

Nazari et al.	2016	Effects of pyriproxyfen and imidacloprid on mortality and reproduction of <i>Menochilus sexmaculatus</i> (Coleoptera: Coccinellidae), predator of <i>Agonoscena pistaciae</i>	http://jcp.modares.ac.ir/article_13912_5344.html
Oliveira et al.	2011	Desensitization of nicotinic acetylcholine receptors in the central nervous system neurons of the stick insect (<i>Carausius morosus</i>) by imidacloprid and sulfoximine insecticides	http://www.sciencedirect.com/science/article/pii/S0965174811001457
Pandey & Mohanty	2014	The neonicotinoid pesticide imidacloprid and the dithiocarbamate fungicide mancozeb disrupt the pituitary–thyroid axis of a wildlife bird	http://www.sciencedirect.com/science/article/pii/S0045653514013848
Pandey and Mohanty	2017	Disruption of the hypothalamic-pituitary-thyroid axis on co-exposures to dithiocarbamate and neonicotinoid pesticides: Study in a wildlife bird, <i>Amandava amandava</i>	https://www.ncbi.nlm.nih.gov/pubmed/28237669
Pandey et al.	2017	Endocrine disrupting pesticides impair the neuroendocrine regulation of reproductive behaviors and secondary sexual characters of red munia (<i>Amandava amandava</i>)	http://www.sciencedirect.com/science/article/pii/S0031938416307697
Pecenka & Lundren	2015	Non-target effects of clothianidin on monarch butterflies	http://www.ncbi.nlm.nih.gov/pubmed/25839080
Pochini and Hoverman	2016	Reciprocal effects of pesticides and pathogens on amphibian hosts: The importance of exposure order and timing*	http://www.sciencedirect.com/science/article/pii/S026974911632468X
Rahmani & Bandani	2013	Sublethal concentrations of thiamethoxam adversely affect life table parameters of the aphid predator, <i>Hippodamia variegata</i>	http://www.sciencedirect.com/science/article/pii/S0261219413002019
Rahmani et al.	2013	Effects of thiamethoxam in sublethal concentrations, on life expectancy and some other biological characteristics of <i>Hippodamia variegata</i>	http://www.boerenlandvogels.nl/sites/default/files/Rahmani%20S%202013%20IRJABS.pdf
Robinson et al.	2017	Sublethal effects on wood frogs chronically exposed to environmentally relevant concentrations of two neonicotinoid insecticides	https://www.ncbi.nlm.nih.gov/pubmed/28248437

Rondeau et al.	2014	Delayed and time-cumulative toxicity of imidacloprid in bees, ants and termites	http://www6.inra.fr/ecotox/Productions/Articles-a-comite-de-lecture/Articles-des-membres-du-reseau-ECOTOX/Title-Delayed-and-time-cumulative-toxicity-of-imidacloprid-in-bees-ants-and-termites
Saber	2011	Acute and population level toxicity of imidacloprid and fenpyroximate on an important egg parasitoid, Trichogramma cacoeciae	https://www.ncbi.nlm.nih.gov/pubmed/21647819
Schmitz et al.	2017	DECLINE OF GAME BIRDS (PHASIANUS COLCHICUS AND PERDIX PERDIX) IN BAVARIA: A SURVEY ON PATHOGENIC BACTERIA, PARASITES, PESTICIDE RESIDUES, AND INFLUENCE OF SET-ASIDE LAND AND MAIZE CULTIVATION	https://www.ncbi.nlm.nih.gov/pubmed/28363041
Sen et al.	2015	Molecular Signatures of Nicotinoid-Pathogen Synergy in the Termite Gut	http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0123391
Simon-Delso et al.	2014	Systemic insecticides (neonicotinoids and fipronil): trends, uses, mode of action and metabolites	http://link.springer.com/article/10.1007/s11356-014-3470-y#page-1
Stavriniades & Mills	2009	Demographic effects of pesticides on biological control of Pacific spider mite (Tetranychus pacificus) by the western predatory mite (Galendromus occidentalis)	http://www.sciencedirect.com/science/article/pii/S104996440800282X
Taliansky-Chamudis et al.	2017	Validation of a QuEChERS method for analysis of neonicotinoids in small volumes of blood and assessment of exposure in Eurasian eagle owl (Bubo bubo) nestlings.	https://www.ncbi.nlm.nih.gov/pubmed/28376431
Tappert et al.	2017	Sublethal doses of imidacloprid disrupt sexual communication and host finding in a parasitoid wasp	http://www.nature.com/articles/srep42756
Tennekes	2010	The systemic insecticides: a disaster in the making	http://www.disasterinthemaking.com/
Tennekes	2011	The significance of the Druckery-Kupfmuller equation for risk assesment--the toxicity of neonicotinoid insecticides to arthropods is reinforced by exposure time	http://www.ncbi.nlm.nih.gov/pubmed/20803795

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Thiel and Kohler	2016	A sublethal imidacloprid concentration alters foraging and competition behaviour of ants	https://www.researchgate.net/publication/296329463 A sublethal imidacloprid concentration alters foraging and competition behaviour of ants
Tokumoto et al.	2013	Effects of Exposure to Clothianidin on the Reproductive System of Male Quails	https://www.jstage.jst.go.jp/article/jvms/75/6/75_12-0544/ article
Usaj et al.	2013	Determination of toxicity of neonicotinoids on the genome level using chemogenomics in yeast	http://www.sciencedirect.com/science/article/pii/S0045653513014975
van den Brink et al.	2015	Acute and chronic toxicity of neonicotinoids to nymphs of a mayfly species and some notes on seasonal differences.	http://www.ncbi.nlm.nih.gov/pubmed/26419398
van Gestel et al.	2017	Multigeneration toxicity of imidacloprid and thiacloprid to Folsomia candida	http://link.springer.com/article/10.1007/s10646-017-1765-8
Vijver et al.	2017	Postregistration Monitoring of Pesticides is Urgently Required to Protect Ecosystems	http://onlinelibrary.wiley.com/doi/10.1002/etc.3721/full
Walker	2002	Neurotoxic Pesticides and Behavioural Effects Upon Birds	https://www.ncbi.nlm.nih.gov/pubmed/12739877
Wang et al.	2015	Sublethal Effect of Imidacloprid on Solenopsis invicta (Hymenoptera: Formicidae) Feeding, Digging, and Foraging Behavior	http://ee.oxfordjournals.org/content/early/2015/08/13/ee.nvv127
Wang et al.	2016	Imidacloprid exposure suppresses neural crest cells generation during early chick embryo development	http://www.ncbi.nlm.nih.gov/pubmed/27195532
Wanumen et al.	2016	Residual Acute Toxicity of Some Modern Insecticides Toward Two Mirid Tomato Pests	http://jee.oxfordjournals.org/content/109/3/1079
Whitehorn et al.	2015	Sex allocation theory reveals a hidden cost of neonicotinoid exposure in a parasitoid wasp	http://rspsb.royalsocietypublishing.org/content/282/1807/20150389
Yu et al.	2014	Impact of imidacloprid on life-cycle development of Coccinella septempunctata in laboratory microcosms	http://www.sciencedirect.com/science/article/pii/S014765131400400X

Yu et al.	2015	<u>Individual and Joint Acute Toxicities of Selected Insecticides Against Bombyx mori (Lepidoptera: Bombycidae)</u>	https://jee.oxfordjournals.org/content/early/2015/11/06/jee.tov316.full
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