

Neonicotinoid Studies by 'Author'

A comprehensive index of peer-reviewed scientific studies which indicate adverse impacts and concerns about uses of neonicotinoid insecticides.



HONEY BEE STUDIES			
Author	Year	Title	Link
Abbo et al.	2016	Effects of Imidacloprid and Varroa destructor on survival and health of European honey bees, <i>Apis mellifera</i>	www.ncbi.nlm.nih.gov/
Alaux et al.	2010	Interactions between <i>Nosema</i> microspores and a neonicotinoid weaken honeybees (<i>Apis mellifera</i>)	www.ncbi.nlm.nih.gov/
Alburaki et al.	2015	Neonicotinoid-Coated Zea mays Seeds Indirectly Affect Honeybee Performance and Pathogen Susceptibility in Field Trials	journals.plos.org/
Alburaki et al.	2016	Performance of honeybee colonies located in neonicotinoid-treated and untreated cornfields in Quebec	onlinelibrary.wiley.com/
Alburaki et al.	2017	Landscape and pesticide effects on honey bees: forager survival and expression of acetylcholinesterase and brain oxidative genes	link.springer.com/
Alemanno.	2013	Science law policy neonicotinoids bees new test case precautionary principle	connection.ebscohost.com
Alix & Vergnet	2007	Risk assessment to honey bees: a scheme developed in France for non-sprayed systemic compounds	onlinelibrary.wiley.com
Alkassab and Kirchner	2016	Impacts of chronic sublethal exposure to clothianidin on winter honeybees	link.springer.com/
Andrione et al.	2016	Neonicotinoid-induced impairment of odour coding in the honeybee	www.nature.com/
APENET	2011	Effects of coated maize seed on honey bees	www.reterurale.it/
Aufauvre et al.	2012	Parasite-insecticide interactions: a case study of <i>Nosema ceranae</i> and fipronil synergy on honeybee	www.nature.com/
Aufauvre et al.	2014	Transcriptome Analyses of the Honeybee Response to <i>Nosema ceranae</i> and Insecticides	journals.plos.org/

Bacandritsos et al.	2010	Sudden deaths and colony population decline in Greek honey bee colonies	www.sciencedirect.com/
Badawy et al.	2015	Toxicity and biochemical changes in the honey bee <i>Apis mellifera</i> exposed to four insecticides under laboratory conditions	link.springer.com/
Badiou-Beneteau et al.	2012	Development of biomarkers of exposure to xenobiotics in the honey bee <i>Apis mellifera</i> : Application to the systemic insecticide thiamethoxam	www.sciencedirect.com/
Barmaz et al.	2012	Exposure of pollinators to plant protection products	link.springer.com/
Becher et al.	2013	Towards a systems approach for understanding honeybee decline: a stocktaking and synthesis of existing models	onlinelibrary.wiley.com/
Belzunces et al.	2012	Neural effects of insecticides in the honey bee	link.springer.com/
Belzunces et al.	2013	Laboratory approach to study toxico-pathological interactions in the honey bee <i>Apis mellifera</i>	hal.archives-ouvertes.fr
Berenbaum	2015	Does the Honey Bee "Risk Cup" Runneth Over? Estimating Aggregate Exposures for Assessing Pesticide Risks to Honey Bees in Agroecosystems	www.ncbi.nlm.nih.gov/
Bernal et al.	2010	Overview of Pesticide Residues in Stored Pollen and Their Potential Effect on Bee Colony (<i>Apis mellifera</i>) Losses in Spain	jee.oxfordjournals.org/
Biesmeijer et al.	2006	Parallel Declines in Pollinators and Insect-Pollinated Plants in Britain and the Netherlands	www.sciencemag.org/
Bijleveld van Lexmond et al.	2014	Worldwide integrated assessment on systemic pesticides	link.springer.com/
Biocca et al.	2015	The assessment of dust drift from pneumatic drills using static tests and in-field validation	www.sciencedirect.com/
Blacquièrè & van der Steen	2017	Three years of banning neonicotinoid insecticides based on sub-lethal effects: can we expect to see effects on bees?	onlinelibrary.wiley.com/
Blacquiere et al.	2012	Neonicotinoids in bees: a review on concentrations, side-effects and risk assessment	link.springer.com/
Blacquiere et al. 2012.	2012	Erratum to: Neonicotinoids in bees: a review on concentrations, side-effects and risk assessment	link.springer.com/article/

Blaken et al.	2015	Interaction between Varroa destructor and imidacloprid reduces flight capacity of honeybees	rspb.royalsocietypublishing.org/
Blatzheim et al.	2014	The Neonicotinoid Pesticide Thiamethoxam Affects Motor Responses and Foraging Behavior of Honey Bees	http://www.sicb.org/
Boily et al.	2013	Acetylcholinesterase in honey bees (<i>Apis mellifera</i>) exposed to neonicotinoids, atrazine and glyphosate: laboratory and field experiments.	www.ncbi.nlm.nih.gov/
Botias et al.	2016	Response to Comment on "Neonicotinoid Residues in Wildflowers, A Potential Route of Chronic Exposure for Bees"	pubs.acs.org/
Brandt et al.	2016	The neonicotinoids thiacloprid, imidacloprid, and clothianidin affect the immune competence of honey bees (<i>Apis mellifera</i> L.)	www.sciencedirect.com/
Bryden et al.	2013	Chronic sublethal stress causes bee colony failure	onlinelibrary.wiley.com/
Breeze et al.	2012	The Decline of England's Bees: Policy Review and Recommendations	www.foe.co.uk/
Burkle et al.	2013	Plant-Pollinator Interactions over 120 Years: Loss of Species, Co-Occurrence and Function	www.sciencemag.org/
Byrne et al.	2013	Determination of exposure levels of honey bees foraging on flowers of mature citrus trees previously treated with imidacloprid	onlinelibrary.wiley.com/

Carrillo et al.	2013	Influence of agrochemicals fipronil and imidacloprid on the learning behavior of <i>Apis mellifera</i> honeybees	www.scielo.br/
Catae et al.	2014	Cytotoxic Effects of Thiamethoxam in the Midgut and Malpighian Tubules of Africanized <i>Apis mellifera</i> (Hymenoptera: Apidae)	onlinelibrary.wiley.com/
Chagnon et al.	2014	Risks of large-scale use of systemic insecticides to ecosystem functioning and services	link.springer.com/
Chaimanee et al.	2016	Sperm viability and gene expression in honey bee queens (<i>Apis mellifera</i>) following exposure to the neonicotinoid insecticide imidacloprid and the organophosphate acaricide coumaphos	www.ncbi.nlm.nih.gov/

Charreton et al.	2015	A Locomotor Deficit Induced by Sublethal Doses of Pyrethroid and Neonicotinoid Insecticides in the Honeybee <i>Apis mellifera</i>	www.ncbi.nlm.nih.gov/
Chen et al.	2017	Risk assessment of various insecticides used for management of Asian citrus psyllid, <i>Diaphorina citri</i> in Florida citrus, against honey bee, <i>Apis mellifera</i>	link.springer.com/
Chen Mullin	2014	Determination of nonylphenol ethoxylate and octylphenol ethoxylate surfactants in beehive samples by high performance liquid chromatography coupled to mass spectrometry	www.sciencedirect.com/
Christen et al.	2016	Molecular effects of neonicotinoids in honey bees (<i>Apis mellifera</i>)	pubs.acs.org/
Codling et al.	2016	Concentrations of neonicotinoid insecticides in honey, pollen and honey bees (<i>Apis mellifera</i> L.) in central Saskatchewan, Canada	www.ncbi.nlm.nih.gov/
Costa et al.	2013	Toxicity of insecticides used in the Brazilian melon crop to the honey bee <i>Apis mellifera</i> under laboratory conditions	link.springer.com/
Cresswell	2011	A meta-analysis of experiments testing the effects of a neonicotinoid insecticide (imidacloprid) on honey bees	link.springer.com/
Cresswell et al	2013	Clearance of ingested neonicotinoid pesticide (imidacloprid) in honey bees (<i>Apis mellifera</i>) and bumble bees (<i>Bombus terrestris</i>)	onlinelibrary.wiley.com/
Cresswell Thompson	2012	Comment on "A Common Pesticide Decreases Foraging Success and Survival in Honey Bees"	www.sciencemag.org/
Cummins	2007	Requiem for the Honeybee	moraybeedinosaurs.co.uk/
Cutler et al.	2013	Honey bees, neonicotinoids, and bee incident reports: the Canadian situation	onlinelibrary.wiley.com/

Da Silva et al.	2015	Pesticide exposure of honeybees (<i>Apis mellifera</i>) pollinating melon crops	link.springer.com/
Danner et al.	2014	Maize pollen foraging by honey bees in relation to crop area and landscape context	www.sciencedirect.com/

De Smet et al.	2017	Stress indicator gene expression profiles, colony dynamics and tissue development of honey bees exposed to sub-lethal doses of imidacloprid in laboratory and field experiments	journals.plos.org/
Decourtye et al.	2004	Imidacloprid impairs memory and brain metabolism in the honeybee (<i>Apis mellifera</i> L.)	www.sciencedirect.com/
Decourtye et al.	2004	Effects of imidacloprid and deltamethrin on associative learning in honeybees under semi-field and laboratory conditions	www.sciencedirect.com/
Decourtye et al.	2005	Comparative Sublethal Toxicity of Nine Pesticides on Olfactory Learning Performances of the Honeybee <i>Apis mellifera</i>	link.springer.com/
Demares et al.	2016	Sucrose Sensitivity of Honey Bees Is Differently Affected by Dietary Protein and a Neonicotinoid Pesticide	journals.plos.org/
Derecka et al.	2013	Transient exposure to low levels of insecticide affects metabolic networks of honey bee larvae	journals.plos.org/
Di Prisco et al.	2013	Neonicotinoid clothianidin adversely affects insect immunity and promotes replication of a viral pathogen in honey bees	www.pnas.org/
Di Prisco et al.	2016	A mutualistic symbiosis between a parasitic mite and a pathogenic virus undermines honey bee immunity and health	www.pnas.org/
Dively & Kamel	2012	Insecticide Residues in Pollen and Nectar of a Cucurbit Crop and their Potential Exposure to Pollinators	pubs.acs.org/
Dively et al.	2015	Assessment of Chronic Sublethal Effects of Imidacloprid on Honey Bee Colony Health	journals.plos.org/
Doublet et al.	2014	Bees under stress: sublethal doses of a neonicotinoid pesticide and pathogens interact to elevate honey bee mortality across the life cycle	onlinelibrary.wiley.com/
Dussaubat et al.	2016	Combined neonicotinoid pesticide and parasite stress alter honeybee queens' physiology and survival	www.nature.com/

EA SAC	2015	Ecosystem services, agriculture and neonicotinoids	www.easac.eu/
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Eiri & Nieh	2012	A nicotinic acetylcholine receptor agonist affects honey bee sucrose responsiveness and decreases waggle dancing	jeb.biologists.org/
El Hassani et al.	2008	Effects of Sublethal Doses of Acetamiprid and Thiamethoxam on the Behavior of the Honeybee (<i>Apis mellifera</i>)	www.ncbi.nlm.nih.gov/
Elston et al.	2013	Sub-lethal effects of thiamethoxam, a neonicotinoid pesticide, and propiconazole, a DMI fungicide, on colony initiation in bumblebee micro-colonies	link.springer.com/
European Food Safety Authority	2016	Peer review of the pesticide risk assessment for the active substance imidacloprid in light of confirmatory data submitted	www.efsa.europa.eu/

Fairbrother et al.	2014	Risks of Neonicotinoid Insecticides to Honeybees	onlinelibrary.wiley.com/
Farooqui	2012	A potential link between biogenic amines-based pesticides, learning and memory, and colony collapse disorder: A unique hypothesis	www.sciencedirect.com/
Faucon et al.	2005	Experimental study on the toxicity of imidacloprid given in syrup to honey bee colonies	onlinelibrary.wiley.com/
Feltham et al.	2014	Field realistic doses of pesticide imidacloprid reduce bumblebee pollen foraging efficiency	link.springer.com
Fidente et al.	2005	Analysis of nicotinoid insecticides residues in honey by solid matrix partition clean-up and liquid chromatography-electro spray mass spectrometry	www.sciencedirect.com/
Fishcher et al.	2014	Neonicotinoids Interfere with Specific Components of Navigation in Honeybees	journals.plos.org/

Garbuzov et al.	2014	Honey bee dance decoding and pollen-load analysis show limited foraging on spring-flowering oilseed rape, a potential source of neonicotinoid contamination	www.sciencedirect.com/
Gill et al.	2012	Combined pesticide exposure severely affects individual- and colony-level traits in bees	www.nature.com/

Gill Raine	2014	Chronic impairment of bumblebee natural foraging behaviour induced by sublethal pesticide exposure	onlinelibrary.wiley.com/
Girolami et al.	2009	Translocation of Neonicotinoid Insecticides from Coated Seeds to Seedling Guttation Drops: A Novel Way of Intoxication for Bees	www.bioone.org/
Giroud et al	2013	Trace level determination of pyrethroid and neonicotinoid insecticides in beebread using acetonitrile-based extraction followed by analysis with ultra-high-performance liquid chromatography-tandem mass spectrometry	www.sciencedirect.com/
Godfray et al.	2014	A restatement of the natural science evidence base concerning neonicotinoid insecticides and insect pollinators	classic.rspb.royalsocietypublishing.org/
Goñalons and Farina	2015	Effects of Sublethal Doses of Imidacloprid on Young Adult Honeybee Behaviour	journals.plos.org/
Goulson	2013	An overview of the environmental risks posed by neonicotinoid insecticides	onlinelibrary.wiley.com/
Goulson	2017	The Environmental Risks of neonicotinoid pesticides: a review of the evidence post-2013	biorxiv.org/
Goulson et al.	2015	Bee declines driven by combined stress from parasites, pesticides, and lack of flowers	www.sciencemag.org/
Grillone et al.	2017	Toxicity of thiametoxam on in vitro reared honey bee brood	link.springer.com/
Gross	2013	EU ban puts spotlight on complex effects of neonicotinoids	www.sciencedirect.com/
Guseman et al.	2016	Multi-Drug Resistance Transporters and a Mechanism-Based Strategy for Assessing Risks of Pesticide Combinations to Honey Bees	www.ncbi.nlm.nih.gov/

Halm et al.	2006	New Risk Assessment Approach for Systemic Insecticides: The Case of Honey Bees and Imidacloprid (Gaucho)	pubs.acs.org/
Harmon	2012	Catch The Buzz-Corn See Pesticide Kills Bees	www.beesource.com
Hatjina et al.	2013	Sublethal doses of imidacloprid decreased size of hypopharyngeal glands and respiratory rhythm of honeybees in vivo	link.springer.com/

Heimbach et al.	2015	Dust drift during sowing of pesticides treated seeds - imission in adjacent areas and effects on honey bees	www.researchgate.net/
Henry et al.	2012	A Common Pesticide Decreases Foraging Success and Survival in Honey Bees	www.sciencemag.org/
Henry	2013	Assessing homing failure in honey bees exposed to pesticides: Guez's (2013) criticism illustrates pitfalls and challenges	www.ncbi.nlm.nih.gov/
Henry et al.	2014	Pesticide risk assessment in free-ranging bees is weather and landscape dependent	www.nature.com/
Henry et al.	2012a	Response to Comment on "A Common Pesticide Decreases Foraging Success and Survival in Honey Bees"	www.sciencemag.org/
Henry et al.	2015	Reconciling laboratory and field assessments of neonicotinoid toxicity to honeybees	rspb.royalsocietypublishing
Hernandez-Lopez et al.	2017	Sublethal pesticide doses negatively affect survival and the cellular responses in American foulbrood-infected honeybee larvae	www.nature.com/

Joachimsmeier et al.	2012	Guttation and risk for honey bee colonies: Use of guttation drops by honey bees after migration of colonies - a field study	openagrar.bmel-forschung.de/
Johnson & Pettis	2014	A Survey of Imidacloprid Levels in Water Sources Potentially Frequented by Honeybees (<i>Apis mellifera</i>) in the Eastern USA	www.ncbi.nlm.nih.gov/
Johnson et al.	2010	Pesticides and honey bee toxicity -- USA	link.springer.com/
Johnson et al.	2016	Divergent forms of endoplasmic reticulum stress trigger a robust unfolded protein response in honey bees	www.ncbi.nlm.nih.gov/
Jones et al.	2006	The nicotinic acetylcholine receptor gene family of the honey bee, <i>Apis mellifera</i>	genome.cshlp.org/

Karahan et al.	2015	Sublethal imidacloprid effects on honey bee flower choices when foraging	link.springer.com/
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Kasiotis et al.	2014	Pesticide residues in honeybees, honey and bee pollen by LC-MS/MS screening: Reported death incidents in honeybees	www.sciencedirect.com/
Kiljanek et al.	2016	Multi-residue method for the determination of pesticides and pesticide metabolites in honeybees by liquid and gas chromatography coupled with tandem mass spectrometry—Honeybee poisoning incidents	www.sciencedirect.com/
Kimura et al.	2014	Examination of mass honey bee death at the entrance to hives in a paddy rice production district in Japan: the influence of insecticides sprayed on nearby rice fields	www.tandfonline.com/
Kindemba	2009	The impact of neonicotinoid insecticides on bumblebees, Honey bees and other non-target invertebrates (revised)	beyondpesticides.org/
Kleinman and Suryanarayanan	2015	Ignorance and Industry: Agrichemicals and honey bee deaths	routledgehandbooks.com/
Krupke & Long	2015	Intersections between neonicotinoid seed treatments and honey bees	moraybeedinosaurs.co.uk/
Krupke et al.	2012	Multiple Routes of Exposure for Honey Bees Living Near Agricultural Fields	journals.plos.org/

Lalone et al.	2017	Weight of evidence evaluation of a network of adverse outcome pathways linking activation of the nicotinic acetylcholine receptor in honey bees to colony death	www.sciencedirect.com/
Larson et al.	2013	Assessing Insecticide Hazard to Bumble Bees Foraging on Flowering Weeds in Treated Lawns	journals.plos.org/
League of Women Voters, Minnesota	2015	The Impact of Neonicotinoids on Honey Bees Briefing Paper - November 2015	www.lwvminn.org/
Li et al.	2015	Neonicotinoid insecticide interact with honeybee 1 odorant-binding 2 protein: implication for olfactory dysfunction	www.ncbi.nlm.nih.gov/
Li et al.	2017	Sublethal doses of neonicotinoid imidacloprid can interact with honeybee chemo sensory protein 1 (CSP1) and inhibit its function	www.ncbi.nlm.nih.gov/

Long and Krupke	2016	Non-cultivated plants present a season-long route of pesticide exposure for honey bees	www.nature.com/
Lounsbury	2008	Pollinators and Pesticides Escalating crisis demands action	beyondpesticides.org/
Lu et al.	2014	Sub-lethal exposure to neonicotinoids impaired honey bees winterization before proceeding to colony collapse disorder	pesticidetruths.com/
Lu et al.	2015	Distributions of neonicotinoid insecticides in the Commonwealth of Massachusetts: a temporal and spatial variation analysis for pollen and honey samples	www.publish.csiro.au/

Mao W. et al.	2017	Disruption of quercetin metabolism by fungicide affects energy production in honey bees (<i>Apis mellifera</i>)	www.pnas.org/
Mao et al.	2013	Honey constituents up-regulate detoxification and immunity genes in the western honey bee <i>Apis mellifera</i>	www.pnas.org/
Matsumoto	2013	Reduction in homing flights in the honey bee <i>Apis mellifera</i> after a sublethal dose of neonicotinoid insecticides	www.bulletinofinsectology.org/
Maxim & van der Sluijs	2013	16 Seed-dressing systemic insecticides and honeybees	www.beekeeping.com/
Maxim Arnold	2013	Pesticides and Bees	onlinelibrary.wiley.com/
McArt et al.	2017	High pesticide risk to honey bees despite low focal crop pollen collection during pollination of a mass blooming crop	www.nature.com/
McCurdy et al.	2017	Dew from Warm-Season Turf grasses as a Possible Route for Pollinator Exposure to Lawn-Applied Imidacloprid	www.researchgate.net/
Medrzycki et al.	2017	Effects of imidacloprid administered in sub-lethal doses on honey bee behaviour. Laboratory tests.	www.bulletinofinsectology.org/
Meikle et al.	2016	Sublethal Effects of Imidacloprid on Honey Bee Colony Growth and Activity at Three Sites in the U.S.	journals.plos.org/

Mogren and Lundgren	2016	Neonicotinoid-contaminated pollinator strips adjacent to cropland reduce honey bee nutritional status	www.nature.com/
Mullin et al.	2010	High Levels of Miticides and Agrochemicals in North American Apiaries: Implications for Honey Bee Health	journals.plos.org/
Mullin et al.	2014	The formulation makes the honey bee poison	www.sciencedirect.com/

Nahar & Ohtani	2015	Imidacloprid and Fipronil induced abnormal behaviour and disturbed homing of forager honey bees <i>Apis mellifera</i>	www.entomoljournal.com/
Nahar & Ohtani	2016	Influence of pesticide use in fruit orchards during blooming on honeybee mortality in 4 experimental apiaries	www.sciencedirect.com/
Nazzi et al.	2014	Honeybee immunity and colony losses	entomologia.pagepress.org/
Nicodemo et al.	2014	Fipronil and imidacloprid reduce honeybee mitochondrial activity	onlinelibrary.wiley.com/

Oliveira et al.	2012	Side-Effects of Thiamethoxam on the Brain and Midgut of the Africanized Honeybee <i>Apis mellifera</i>	onlinelibrary.wiley.com/
Orantes-Bermejo et al.	2013	Pesticide residues in beeswax and beebread samples collected from honey bee colonies (<i>Apis mellifera</i>) in Spain. Possible implications for bee losses	www.tandfonline.com/

Palmer et al.	2013	Cholinergic pesticides cause mushroom body neuronal inactivation in honeybees	www.nature.com/
Peng and Yang	2016	Sublethal Dosage of Imidacloprid Reduces the Microglomerular Density of Honey Bee Mushroom Bodies	www.nature.com/
Pettis et al.	2012	Pesticide exposure in honey bees results in increased levels of the gut pathogen <i>Nosema</i>	link.springer.com/

Pettis et al.	2013	Crop pollination exposes honey bees to pesticides which alters their susceptibility to the gut pathogen <i>Nosema ceranae</i>	journals.plos.org/
Piironen and Goulson	2016	Chronic neonicotinoid pesticide exposure and parasite stress differentially affects learning in honeybees and bumblebees	www.researchgate.net/
Pistorius et al.	2015	Application of predefined doses of neonicotinoid containing dusts in field trials and acute effects on honey bees	www.bulletinofinsectology.org/
Pochi et al.	2012	Potential Exposure of Bees, <i>Apis mellifera</i> L., to Particulate Matter and Pesticides Derived from Seed Dressing During Maize Sowing	link.springer.com/
Poquet et al.	2015	Wings as a new route of exposure to pesticides in the honey bee	www.ncbi.nlm.nih.gov/

Reetz et al.	2011	Neonicotinoid insecticides translocated in guttated droplets of seed-treated maize and wheat: a threat to honeybees ?	link.springer.com/
Reetz et al.	2015	Uptake of Neonicotinoid Insecticides by Water-Foraging Honey Bees (Hymenoptera: Apidae) Through Guttation Fluid of Winter Oilseed Rape	www.ncbi.nlm.nih.gov/
Rinkevich et al.	2015	Genetics, Synergists, and Age Affect Insecticide Sensitivity of the Honey Bee, <i>Apis mellifera</i>	journals.plos.org/
Rinkevich et al.	2017	Influence of Varroa Mite (<i>Varroa destructor</i>) Management Practices on Insecticide Sensitivity in the Honey Bee (<i>Apis mellifera</i>)	www.mdpi.com/
Rolke et al.	2016	Large-scale monitoring of effects of clothianidin-dressed oilseed rape seeds on pollinating insects in Northern Germany: effects on honey bees (<i>Apis mellifera</i>)	link.springer.com/
Rondeau et al.	2014	Delayed and time-cumulative toxicity of imidacloprid in bees, ants and termites	www6.inra.fr/
Rortais et al.	2005	Modes of honeybees exposure to systemic insecticides: estimated amounts of contaminated pollen and nectar consumed by different categories of bees	hal.inria.fr/

Rossi et al.	2013	Brain Morphophysiology of Africanized Bee <i>Apis mellifera</i> Exposed to Sublethal Doses of Imidacloprid	link.springer.com/
Rundolf et al	2015	Seed coating with a neonicotinoid insecticide negatively affects wild bees	www.nature.com/

Samuelson et al.	2016	Effect of acute pesticide exposure on bee spatial working memory using an analogue of the radial-arm maze	www.nature.com/
Sanchez-Bayo & Goka	2014	Pesticide Residues and Bees - A Risk Assessment	journals.plos.org/
Sanchez-Hernandez et al.	2015	Residues of neonicotinoids and their metabolites in honey and pollen from sunflower and maize seed dressing crops	www.ncbi.nlm.nih.gov/
Sandrock et al.	2013	Sublethal neonicotinoid insecticide exposure reduces solitary bee reproductive success	onlinelibrary.wiley.com/
Sandrock et al.	2014	Impact of Chronic Neonicotinoid Exposure on Honeybee Colony Performance and Queen Supersedure	journals.plos.org/
Schick et al.	2016	An experiment on the impact of a neonicotinoid pesticide on honeybees: the value of a formal analysis of the data	springeropen.com/
Schmehl et al.	2014	Genomic analysis of the interaction between pesticide exposure and nutrition in honey bees (<i>Apis mellifera</i>)	www.sciencedirect.com/
Schmuck & Lewis	2016	Review of field and monitoring studies investigating the role of nitro-substituted neonicotinoid insecticides in the reported losses of honey bee colonies (<i>Apis mellifera</i>)	www.ncbi.nlm.nih.gov/
Sgolastra et al.	2012	Effects of neonicotinoid dust from maize seed-dressing on honey bees	moraybeedinosaurs.co.uk/
Sgolastra	2014	A meta-analysis comparing the sensitivity of bees to pesticides	link.springer.com/
Silvina et al.	2017	Neonicotinoids transference from the field to the hive by honey bees: Towards a pesticide residues biomonitor	www.researchgate.net/

Skerl et al.	2009	Residues of Pesticides in Honeybee (<i>Apis mellifera carnica</i>) Bee Bread and in Pollen Loads from Treated Apple Orchards	link.springer.com/
Slowinska et al.	2015	Total antioxidant capacity of honeybee haemolymph in relation to age and exposure to pesticide, and comparison to antioxidant capacity of seminal plasma	link.springer.com/
Spurgeon et al.	2016	Chronic oral lethal and sub-lethal toxicities of different binary mixtures of pesticides and contaminants in bees (<i>Apis mellifera</i> , <i>Osmia bicornis</i> and <i>Bombus terrestris</i>)	onlinelibrary.wiley.com/
Stevens Jenkins	2013	Pesticide impacts on bumblebee declines: A missing piece	onlinelibrary.wiley.com/
Stokstad	2012	Field Research on Bees Raises Concern About Low-Dose Pesticides (Science Magazine News Article)	www.sciencemag.org/
Stokstad	2013	Pesticides Under Fire For Risks to Pollinators (Science Magazine News Article)	www.sciencemag.org/
Stoner Eitzer	2013	Using a hazard quotient to evaluate pesticide residues detected in pollen trapped from honey bees (<i>Apis mellifera</i>) in Connecticut	journals.plos.org/
Suryanarayanan	2013	Balancing control and complexity in field studies of neonicotinoids and honey bee health	www.mdpi.com/

Tan et al.	2015	A neonicotinoid impairs olfactory learning in Asian honey bees (<i>Apis cerana</i>) exposed as larvae or as adults	www.nature.com/
Tan et al.	2014	Imidacloprid Alters Foraging and Decreases Bee Avoidance of Predators	journals.plos.org/
Taniguchi et al.	2012	Honeybee Colony Losses during 2008-2010 Caused by Pesticide Application in Japan	www.dbpia.co.kr/
Taniguchi et al.	2012	Honeybee Colony Losses during 2008~2010 Caused by Pesticide Application in Japan	www.farmlandbirds.net/
Tapparo et al.	2012	Assessment of the Environmental Exposure of Honeybees to Particulate Matter Containing Neonicotinoid Insecticides Coming from Corn Coated Seeds	pubs.acs.org/

Tapparo et al.	2012b	UHPLC-DAD method for the determination of neonicotinoid insecticides in single bees and its relevance in honeybee colony loss investigations	link.springer.com/
Tavares et al.	2015	In vitro effects of thiamethoxam on larvae of Africanized honey bee <i>Apis mellifera</i> (Hymenoptera: Apidae)	www.ncbi.nlm.nih.gov/
Tennekes	2010	The systemic insecticides: a disaster in the making	boerenlandvogels.nl/
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