

Publications récentes sur les effets secondaires des néonicotinoïdes

Perturbation endocrinienne

thyroïde	2014	Sekeroglu Effects of commercial formulations of deltamethrin and/or thiacloprid on thyroid hormone levels in rat serum. <i>Toxicol Ind Health</i> . 2014 Feb;30(1):40-6. doi: 10.1177/0748233712448114. Epub 2012 Jun 7.	Rat Thiaclopride
	2014	Pandey The neonicotinoid pesticide imidacloprid and the dithiocarbamate fungicide mancozeb disrupt the pituitary-thyroid axis of a wildlife bird Chemosphere . 2015 Mar;122:227-34. doi: 10.1016/j.chemosphere.2014.11.061. Epub 2014 Dec 12.	Bengali Imidaclopride
	2014	Bhaskar Pesticides in mixture disrupt metabolic regulation: in silico and in vivo analysis of cumulative toxicity of mancozeb and imidacloprid on body weight of mice. Gen Comp Endocrinol . 2014 Sep 1;205:226-34. doi: 10.1016/j.ygcen.2014.02.007. Epub 2014 Feb 14.	Souris : fixation Imidazole sur thyroïde
pancréas	2013	Kim Imidacloprid, a neonicotinoid insecticide, induces insulin resistance. J Toxicol Sci . 2013;38(5):655-60.	Augmentation insulino-résistance (H et souris)
testicule	2012	Bal Effects of clothianidin exposure on sperm quality, testicular apoptosis and fatty acid composition in developing male rats. Cell Biol Toxicol . 2012 Jun;28(3):187-200. doi: 10.1007/s10565-012-9215-0. Epub 2012 Mar 21.	Clothiadinine et rat
	2013	Gu Reproductive effects of two neonicotinoid insecticides on mouse sperm function and early embryonic development in vitro. PLoS One . 2013 Jul 29;8(7):e70112. doi: 10.1371/journal.pone.0070112. Print 2013	Acétamipride et Imidaclopride
	2012	Bal insecticideimidacloprid induces morphological and DNA damage through oxidative toxicity on the reproductive organs of developing male rats ; <i>Cell Biochem Funct</i> 2012;30 ; 492-499	Imidaclopride rat

Neurotoxicité

	2012	Kimura Nicotine-like effects of the neonicotinoid insecticides acetamiprid and imidacloprid on cerebellar neurons from neonatal rats. PLoS One . 2012;7(2):e32432. doi: 10.1371/journal.pone.0032432. Epub 2012 Feb 29	IMI et ACE altérations morphologiques : corps calleux, ganglion de la base noyau caudé et putamen effets nicotine like
	2014	Sauer Liver multinationale Dehydratase Activity is Inhibited by Neonicotinoids and Restored by Antioxidant Agents <i>Int J Environ Res Public Health</i> . 2014 Nov; 11(11): 11676–11690.	Accumulation de delta amino-levulinate neurotoxique
	2015	Sugiyama Development of a simple measurement method for GluR2 protein expression as an index of neuronal vulnerability Toxicology Reports Volume 2 , 2015, Pages 450–460	Nitenpyram : augmentation de l'expression de la Glu : vulnérabilité augmentée des récepteurs glutamatergiques
	2008	Abou Donia Imidacloprid induces neurobehavioral deficits and increases expression of glial fibrillary acidic protein in the motor cortex and hippocampus in offspring rats following in utero exposure. J Toxicol Environ Health A . 2008;71(2):119-30.	Augmentation de l'expression de la GFAP cortex moteur hippocampe rats
	2010	Bal Assessing the effects of the neonicotinoid insecticide imidacloprid in the cholinergic synapses of the stellate cells of the mouse cochlear nucleus using whole-cell patch-clamp recording. Neurotoxicology . 2010 Jan;31(1):113-20. doi: 10.1016/j.neuro.2009.10.004. Epub 2009 Oct 22.	Dépolarisation membranaire des cellules astrocytaires du noyau cochl

Génotoxicité- Cytotoxicité

2012	Calderon Segura Evaluation of genotoxic and cytotoxic effects in human peripheral blood lymphocytes exposed in vitro to neonicotinoid insecticides news. <i>J. Toxicol.</i> 2012;2012 doi: 10.1155/2012/612647	THIA CLO IMI lymphocytes humains
2014	Kocaman In vitro investigation of the genotoxic and cytotoxic effects of thiacloprid in cultured human peripheral blood lymphocytes. <i>Environ Toxicol.</i> 2014 Jun;29(6):631-41. doi: 10.1002/tox.21790. Epub 2012 Jun 22.	THIA lymphocytes humains
2007	Kocaman In vitro evaluation of the genotoxicity of acetamiprid in human peripheral blood lymphocytes. <i>Environ Mol Mutagen.</i> 2007 Jul;48(6):483-90	ACE + lymphocytes humains
2010	Kocaman Genotoxic effects of a particular mixture of acetamiprid and alpha-cypermethrin on chromosome aberration, sister chromatid exchange, and micronucleus formation in human peripheral blood lymphocytes. <i>Environ Toxicol.</i> 2010 Apr;25(2):157-68. doi: 10.1002/tox.20485.	ACE + pyrethrinoides lymphocytes humains

Cocktails

2013	Sekeroglu Effects of commercial formulations of deltamethrin and/or thiacloprid on thyroid hormone levels in rat serum. <i>Toxicol Ind Health.</i> 2014 Feb;30(1):40-6. doi: 10.1177/0748233712448114. Epub 2012 Jun 7.	THIA + pyrethrinoides
2014	Pandey The neonicotinoid pesticide imidacloprid and the dithiocarbamate fungicide mancozeb disrupt the pituitary-thyroid axis of a wildlife bird <i>Chemosphere.</i> 2015 Mar;122:227-34. doi:10.1016/j.chemosphere.2014.11.061. Epub 2014 Dec 12.	IMI+ carbamate bengali
2014	Bhaskar Pesticides in mixture disrupt metabolic regulation: in silico and in vivo analysis of cumulative toxicity of mancozeb and imidacloprid on body weight of mice. <i>Gen Comp Endocrinol.</i> 2014 Sep 1;205:226-34. doi: 10.1016/j.ygcen.2014.02.007. Epub 2014 Feb 14.	IMI + carbamate souris
2013	Mesnager Major pesticides are more toxic to human cells than their declared active principles. <i>Biomed Res Int.</i> 2014;2014:179691. doi: 10.1155/2014/179691. Epub 2014 Feb 26.	IMI ACE et adjuvants cellules humaines

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