CORRECTION

Correction: Using a Hazard Quotient to Evaluate Pesticide Residues Detected in Pollen Trapped from Honey Bees (*Apis mellifera*) in Connecticut

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In Table 1, there should be two lines of LD₅₀ values for phosmet: one from Ecotox and one from Agritox. The contact LD₅₀ for phosmet of 0.22 ug/bee and oral LD₅₀ for phosmet of 0.37 ug/bee from Agritox were used for calculations in all succeeding tables. Please see the correct [Table 1](#) and its caption here.

OPEN ACCESS

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Table 1. Pesticides detected in pollen trapped by honey bee hives, with pesticide use and information on acute toxicity to adult worker honey bees.

Pesticide	Use	Contact LD ₅₀ ug/bee	Oral LD ₅₀ ug/bee	Limit of detection (ppb)
3-keto-carbofuran	Metabolite of carbofuran			2
3-OH-carbofuran	Metabolite of carbofuran			2
5-OH-Imidacloprid	Metabolite of Imidacloprid		0.159 ^a	5
Acephate	Insecticide	1.2		5
Alachlor	Herbicide	>36.2		2
Atrazine	Herbicide	>97		0.5
Azinphos-methyl	Insecticide	0.42	0.15	2
Azoxystrobin	Fungicide	>200		1
Bentazon	Herbicide	>200 ^b	>200 ^b	2
Boscalid	Fungicide	>200	>166	1
Bromacil	Herbicide	>11		1
Carbaryl	Insecticide	1.1		2
Carbendazim	Fungicide and metabolite of benomyl and thiophanate-methyl	>50		1
Carbofuran	Insecticide	0.16		1
Chlorpyrifos	Insecticide	0.01	0.25	2
Clothianidin	Insecticide and Metabolite of Thiamethoxam	0.0439	0.00368	2
Coumaphos	Insecticide/Acaricide	24 ^c		1
Coumaphos Oxon	Metabolite of Coumaphos			1
Cyproconazole	Fungicide	>100	>1000	20
Cyprodinil	Fungicide	>784		3
Diazinon	Insecticide	0.22	0.2	0.5
Dichlorvos	Insecticide	0.5		1
Difenoconazole	Fungicide	>101	>177	1
Dimethoate	Insecticide	0.16	0.056	1
Dimethomorph	Fungicide	>10		1
Dinotefuran	Insecticide	0.047	0.023	2
Diphenylamine	Anti-oxidant	ND		10
Dithiopyr	Herbicide	81		1
Diuron	Herbicide	>145		3
Fenbuconazole	Fungicide	292		2
Fenhexamid	Fungicide	>215		5
Fenpropathrin	Insecticide	<0.1 lbs ^d ai/acre ^d		10
Fenthion	Insecticide	0.308		2
Fipronil	Insecticide	0.00593 ^b	0.00417 ^b	1
Fluvalinate	Insecticide	0.2		5
Imazalil	Fungicide	39 ^b	35.1 ^b	1
Imidacloprid olefin	Metabolite of Imidacloprid		0.036 ^a	10
Imidacloprid urea	Metabolite of Imidacloprid		99.5 ^a	3
Imidacloprid	Insecticide	0.0439	0.0039	1
Indoxacarb	Insecticide	0.1180.07 ^b	18.520.194 ^b	10
Indoxacarb	Insecticide	0.07 ^b	0.194 ^b	10
Malathion	Insecticide	0.2	0.38	2
Metalaxyl	Fungicide	>100		1
Methamidophos	Insecticide	1.37		10
Methiocarb	Insecticide	0.375		1
Methomyl	Insecticide	0.16	0.29	2

(Continued)

Table 1. (Continued)

Pesticide	Use	Contact LD ₅₀ ug/bee	Oral LD ₅₀ ug/bee	Limit of detection (ppb)
Metolachlor	Herbicide	>110	>110	0.5
Myclobutanil	Fungicide	362 ^b		2
Napropamide	Herbicide		>113.5	1
Oxadiazon	Herbicide	>25		3
Oxyflourfen	Herbicide	>100		2
Pendimethalin	Herbicide	49.8		5
Phosmet	Insecticide	1.060.22 ^b		1
Phosmet	Insecticide	0.22 ^b	0.37 ^b	1
Pinoxaden	Herbicide	>200	>100	1
Pirimicarb	Insecticide	12.56	3.01	0.5
Procymidone	Fungicide	ND		30
Prodiamine	Herbicide	>100		5
Propiconazole	Fungicide	>25		1
Propoxur	Insecticide	1.35		1
Propyzamide	Herbicide	>181		5
Pyraclostrobin	Fungicide	>100		1
Pyrimethanil	Fungicide	100	100	10
Simazine	Herbicide	96.7		1
Sulfometuron- methyl	Herbicide	100		10
Thiabendazole	Fungicide	4 ^b	>34 ^b	1
Thiacloprid	Insecticide	37.83	17.32	1
Thiamethoxam	Insecticide	0.024	0.005	1
Thiophanate-methyl	Fungicide	100		2
Trichlorfon	Insecticide	59.8		2
Trifloxystrobin	Fungicide	200		1

^a Oral LD₅₀ for metabolites of imidacloprid from Nauen et al. [8].

^b LD₅₀ for bentazon, fipronil, imazalil, mycobutanil, and thiabendazole were not in the US EPA database and were obtained from the Agritox database [6].

For indoxacarb, contact and oral LD₅₀ information from both the US EPA and Agritox are presented because they were substantially different. For phosmet, contact LD₅₀ information is presented from both sources, and oral LD₅₀ was found in the Agritox database only.

^c Dahlgren et al. [7], assuming a weight of 100 mg. per worker bee

^d Field study was the only data available in US EPA Ecotox database.

LD₅₀ information from the Pesticide Ecotoxicity Database of the Office of Pesticide Programs, Ecological Fate and Effects Division, of the U.S. Environmental Protection Agency [5], unless otherwise noted.

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Reference

1. Stoner KA, Eitzer BD (2013) Using a Hazard Quotient to Evaluate Pesticide Residues Detected in Pollen Trapped from Honey Bees (*Apis mellifera*) in Connecticut. PLoS ONE 8(10): e77550. doi: [10.1371/journal.pone.0077550](https://doi.org/10.1371/journal.pone.0077550) PMID: [24143241](https://pubmed.ncbi.nlm.nih.gov/24143241/)