

Table 1. Pesticide Toxicity for Oral (Swallowed) and Dermal (Skin) Contact¹

Common name	Trade name	Chemical Toxicity ¹		Common name	Trade name	Chemical Toxicity ¹	
		Oral	Dermal			Oral	Dermal
abamectin	Abba, Agri-Mek, Temprano	M	S	fluopyram + pyrimethanil	Luna Tranquility	S	S
abamectin + thiamethoxam ²	Agri-Flex	M	S	fluopyram + trifloxystrobin	Luna Sensation	S	S
acequinocyl	Kanemite	L	S	flupyradifurone	Sivanto	S	S
acetamiprid	Assail	S	S	fluxapyroxad + pyraclostrobin	Merivon	M	L
aluminum phosphide ²	Phostoxin	H	H	fosetyl-al	Aliette	S	S
aminovinylglycine (AVG)	Retain	L	L	formetanate hydrochloride	Carzol	H	S
ammonium soap	Hinder, Repel	L	L	gamma-cyhalothrin ²	Declare, Proaxis	S	L
azadirachtin	Aza-Direct	L	S	gibberellins (GA ₄ ,GA ₇)	ProVide 10SG	S	S
azoxystrobin	About	L	S	glufosinate	Rely	S	S
Bacillus thuringiensis	various	L	L	glyphosate	Roundup, various	L	L
6-benzyladenine (6-BA)	Exilis Plus, MaxCel, RiteWay	S,L,L	S,L,L	hexythiazox	Onager, Savey	L	L
6-benzyladenine (6-BA) + gibberellins (GA ₄ ,GA ₇)	Perlan, Promolin	L,L	L,S	imidacloprid	Admire Pro, Pasada	S	S
benzovindiflupyr	Aprovia	S	L	imidacloprid + beta-cyfluthrin ²	Leverage 360	S	S
beta-cyfluthrin ²	Baythroid XL	S	S	indoxacarb	Avaunt	S	L
bifenazate	Acramite	L	L	iprodione	Rovral	S	S
bifenthrin ²	Bifenture	M	S	kaolin	Surround	L	L
buprofezin	Centaur	L	S	kasugamycin	Kasumin	L	L
captan		L	L	kresoxim-methyl	Sovran	L	S
carbaryl	Sevin	S	S	lambda-cyhalothrin ²	Lambda-Cy, Warrior, Silencer	M	S
carbofuran ²	Furadan	H	H	lambda-cyhalothrin ² + chlorantraniliprole	Voliam Xpress	M	S
chlorantraniliprole	Altacor	L	L	lambda-cyhalothrin ² + thiamethoxam	Endigo	M	S
chlorophacinone ²	Rozol, Parapel,	H	H	lime sulfur	various	S	S
chlorothalonil	Bravo	L	L	mancozeb	various	L	L
chlorpyrifos ²	Lorsban, Nufos, Yuma	M	M	mefenoxam	Ridomil Gold	S	S
clofentezine	Apollo	L	L	metalaxyl	Ridomil	S	S
clothianidin	Belay	S	L	methidathion ²	Supracide	H	H
CM granulovirus	Cyd-X, Carpovirusine	L	L	methomyl ²	Lannate	H	M
copper sulfate (basic)	Cuprofix	S	S	methoxyfenozide	Intrepid	L	L
cytraniliprole	Exirel	L	L	metiram	Polyram	L	L
cyflumetofen	Nealta	S	L	metraferone	Vivando	L	L
copper sulfate pentahydrate	Bordeaux	M	H	myclobutanil	Rally, Nova	M	L
cyfluthrin ²	Tombstone	S	S	1-naphthalene acetic acid (NAA)	Fruitone-L, Fruitone-N, PoMaxa	L,L,L	S,S,L
cyprodinil	Vanguard	L	S	1-naphthylacetamide (NAD,NAAm)	Amid-Thin W	L	L
deltamethrin ²	Battalion	M	S	napropamide	Devrinol	S	S
diazinon	Botran	L	L	norflurazon	Solicam	L	L
dichloran	Inspire Super	L	L	novaluron	Rimon	L	L
difenoconazole + cyprodinil	Dimilin	L	S	oryzalin	Surflan	L	S
diflubenzuron	Karathane	S	S	oxamyl ²	Vydate	H	S
dinocap	Scorpion, Venom	L	L	oxyfluorfen	Goal	L	L
dinotefuran	Diphacin, Ramik	H	H	oxytetracycline	Mycoshield, FireLine	L	S
diphacinone	Karmex	S	S	paraquat ²	Gramoxone Extra	M	M
diuron	Syllit	S	S	penthiopyrad	Fontelis	L	L
dodine	Proclaim	S	S	permethrin ²	Ambush, Perm-UP, Pounce	S	S
emamectin benzoate ²	Adjourn, Asana	M	M	phosmet	Imidan	M	L
esfenvalerate ²	Ethephon 2, Ethephon 2SL, Ethrel	S,L,L	S,S,S	potassium phosphite	ProPhyt	L	S
ethephon	Zeal	S	L	prohexadione-Ca	Apogee	L	S
etoxazole	Rubigan	S	S	pronamide ²	Kerb	L	S
fenarimol	Indar	S	S	propiconazole	Orbit, PropiMax, Tilt	S	S
fenbuconazole	Vendex	S	S	pyraclostrobin	Cabrio, Pristine	S	S
fenbutatin oxide ²	Elevate	S	S	pyridaben	Nexter	S	S
fenhexamide	Danitol	M	S	pyrimethanil	Scala	L	L
fenpropathrin ²	Portal	S	S	pyriproxyfen	Esteem	S	S
fenpyroximate		S	S	sethoxydim	Poast	S	L
ferbam	Beleaf	S	S	simazine	Princep	L	L
flonicamid	Fusilade DX	S	S	spinetoram	Delegate	L	L
fluazifop-P	Omega	L	S	spinosad	Entrust	L	L
fluazinam	Belt	S	S	spirodiclofen	Envidor	S	S
flubendiamide	Tourismo	S	S	spirotetramat	Movento	S	S
flubendiamide + buprofezin	Topguard	S	S	streptomycin	Agristrep, Firewall	L	L
flutriafol	Scholar	L	S	stylet oil	JMS Stylet-Oil	L	L

¹ L = Low; S = Slight; M = Moderate; H = High; - = information lacking. Lethal Dose (LD50) Scale for Toxicity: High = 1-50 mg/kg (Danger); Moderate = 51-500 (Warning); Slight = 501-5000 (Caution); Low = More than 5000 (Caution).

² Restricted use pesticide - Pesticides restricted for use by certified applicators or those working under their direct supervision. These vary by formulation and concentration. Toxicological data, in most cases, involved male rats for oral LD ratings. Dermal LD ratings in most cases were from male rats and male rabbits. Other test animals have higher or lower ratings according to species. Lorsban 75WG is not restricted.

Common name	Trade name	Chemical Toxicity ¹	
		Oral	Dermal
sulfosate	Touchdown	S	S
sulfur	various	S	S
tebuconazole	Elite	S	S
terbacil	Sinbar	L	L
thiabendazole	Mertect	S	-
thiacloprid	Calypso	M	S
thiamethoxam	Actara	L	S
thiamethoxam + chlorantraniliprole	Voliam Flexi	L	S
trifloxystrobin	Flint, Gem	L	S
triflumizole	Procure	S	S
thiophanate-methyl	Topsin, Topsin-M	L	L
thiram		M	M
tolfenpyrad	Apta	S	L
2,4-D	-	S	S
zeta-cypermethrin ²	Mustang Max	S	L
zeta-cypermethrin ² + avermectrin	Gladiator	S	L
zinc phosphide ²	ZP Bait, Phosvin	H	H
ziram		S	S