

HOW POISONOUS ARE PESTICIDES

This is a summary of the toxicity of certain insecticides to test animals (usually the white rat) based on the amount of chemical that would need to be eaten at one time to cause death.

Insecticides	Acute oral LD ₅₀ to rats (mg/kg)	Approximate ingested lethal dose for humans (concentrated chemical)
aldicarb (Temik)	0.93	
Disyston	2.7	
oxamyl (Vydate)	4.7	1/70 to 1/5 teaspoonful
fenaminphos (Nemacur)	8	
abamectin (Avert)	10	
azinthosmethyl (Guthion)	11-13	
methomyl (Lannate)	17	
endothall	38-51	1/5 to 1/2 teaspoonful
dichlorvos (DDVP or Vapona)	50	
nicotine	50-60	
bifenthrin (Talstar)	55	
Metasystox R	65-75	1/2 to 1-1/2 teaspoonfuls
lambda-Cyhalothrin(Scimitar, Demand)	79	
chlorpyrifos (Dursban)	97-276	1-1/2 to 3 teaspoonfuls
fipronil	100	
endosulfan (Thiodan)	100	
Rotenone	132-1500	
trichlorfon (Dylox)	144	
imidan	216	
cypermethrin (Cynoff, Demon,)	247-250	
2,4-D	375	
Diazinon (Knox-out)	300-400	
naled (Dibrom)	430	
imidacloprid (Merit)	450	3 to 9 teaspoonfuls
cyfluthrin (Tempo)	500	
carbaryl (Sevin)	540-800	
MSMA	700	
acephate (Orthene)	866-945	
pendimethalin	1050	
malathion	1500	
propiconazole (Banner)	1517	
DEET (Off)	2000	
oxythioquinox (Morestan)	2500	
permethrin (Dagnet, Flee)	430-4000	1/4 to 1 cup
glyphosate (Roundup)	5600	
dithiopyr (Dimension)	>5000	
Resmethrin	715-10,200	1-1/2 to over 3 cups
chlorothalonil (Daconil)	>10,000	
fosamine ammonium (Krenite)	24,000	

SAMPLE QUESTIONS

The following sample questions may have more than one correct answer:

1. Quaternary ammonium compounds are generally effective in controlling:
 1. viruses
 2. fungi
 3. algae
 4. bacteria

2. Slimes are combinations of:
 1. fungi
 2. algae
 3. bacteria
 4. none of the above

3. Bacteria that grow only in the absence of air are called:
 1. aerobic bacteria
 2. symbiotic bacteria
 3. anaerobic bacteria
 4. phytotoxic bacteria

4. Early symptoms of pesticide poisoning may include:
 1. headache
 2. dizziness
 3. nausea
 4. restlessness

USEFUL TELEPHONE CONTACTS

1. In case of a spill
DEEP Emergency Response
24 hours: (860) 424-3338
2. For information on pesticide products, licensing, state regulations.
DEEP Pesticide Management Division - (860) 424-3369
3. For information on pesticide disposal
DEEP Waste Engineering and Enforcement Division – (888) 424-4193
4. In case of accidental overexposure
Connecticut Poison Control Center - 1- 800-222-1222
5. **National Pesticide Information Center - 1-800-858-7378**