

## Appendix A

Pesticides used at the University of Idaho Forest Research Nursery in the greenhouses (G), shadehouse (S), and field (F).

The Environmental Protection Agency has established four pesticide toxicity categories. Toxicity I pesticides carry a label with "Danger-Poison" and less than 1 teaspoon of chemical can be fatal. Nicotine is one such chemical. Toxicity II pesticides say "warning" on their labels and between 1 teaspoon and 1 ounce of pure chemical can be fatal. Caffeine falls into this category. Toxicity III pesticides are labeled with "caution" and between 1 ounce and 1 pint of chemical can be fatal. Chemicals like table salt, bleach and aspirin fall into this toxicity category. Toxicity IV pesticides carry no warning on their labels. These toxicity categories also specify how soon someone may safely enter a treated area. The Research Nursery has voluntarily added an additional 24 hours to those recommendations.

Trade name & active ingredient	Toxicity Category	Label Restricted-entry Interval	Nursery Restricted-entry Interval
	"Danger-Poison"	48 hours	72 hours
	"Warning"	24 hours	48 hours
	"Caution"	Entry allowed after dusts or mists have settled or solution has dried (2-4 hours under nursery conditions)	24 hours
Agribrom	Danger: corrosive	Potential applications per growing season: 1-3	Where applied: G General notes: Active ingredient inert upon contact with organic matter.
Dipel 2X <i>Bacillus thuringensis</i> var. <i>Kurstaki</i>	Caution	1-3	G,S Biological control. Safe for all organisms except targeted pests.

Gnatrol <i>Bacillus thuringensis serotype H-14</i>	Caution	3-6	G,S	Biological control. Safe for all organisms except targeted pests.
Benlate 50WP <i>Benomyl</i>	Caution	1-3	G,S	Leaching potential not significant (less than 0.5%)
Captan 50WP <i>Captan</i>	Caution	0-2	G	Leaching potential not significant (less than 0.5%)
Rampage <i>Cholecalciferol</i>	Caution		G,S	Treated grain ingested by mice triggers their physiology to release stored calcium. This "over-dose" of their own calcium proves fatal. Predators feeding on sick or dead mice not affected.
Dursban 2E <i>Chlorpyrifos</i>	Warning	0-1	G,S	Leaching potential not significant (less than 0.5%). Highly toxic to some birds, fish, and bees.
Diazinon 50W <i>Diazinon</i>	Warning	0-2	G,S	Leaching potential not significant (less than 0.5%). Highly toxic to waterfowl and aquatic organisms.
Insecticidal Soap <i>Potassium salts of fatty acids</i>	Caution	2-3	S	Readily biodegradable. No soil accumulation. Nontoxic to birds.
Curtail <i>Clopyralin</i>	Danger: corrosive		F	Spot spray thistle with backpack sprayer.
Banvel <i>Dicamba</i>	Warning		F	Spot spray bindweed with backpack sprayer.
Roundup <i>Glyphosate</i>	Warning		F	Spot spray weeds around buildings with backpack sprayer. No bioaccumulation and low bird toxicity. Leaching potential not significant (less than 0.5%)
Princep 4G <i>Simazine</i>	Caution		S,F	Pre-emergent to prevent weeds around buildings and in shadehouse. Leaching potential not significant (less than 0.5%).