

Pesticide Active Ingredient	Trade name	Formulation	Respirator Required – Mixing/Loading	Respirator Required – Application
<b>Insecticides</b>				
Abamectin	Agri-mek 0.15EC		No	No
	Agri-mek SC		No	No
	ABBA		No	No
	Epimek		No	No
Acetamiprid	Assail 70WP		No <sup>1</sup>	No
	Assail 30SG		No	No
Azadirachtin	Aza-Direct		No	No
Beta-cyfluthrin	Baythroid XL		No <sup>2</sup>	No
<i>Bacillus thuringiensis</i>	Biobit		No	No
	Dipel		No	No
Bifenazate	Acramite 50WS		No	No
Bifenthrin	Brigade 2EC		No	No
	Brigade WSB		No	No
	Bifenture 2EC		No	No
	Bifenture 10DF		No	No
	Fanfare 2EC		No	No
	Sniper EC		No	No
Bifenthrin + imidacloprid	Brigadier EC		No	No
	Swagger E		No	No
Buprofezin	Applaud DF		No	No
Carbaryl	Sevin 80 Solupak		No	No
	Sevin 4F		No	No
	Sevin XLR Plus		Yes <sup>2</sup>	Yes <sup>3</sup>
Chlorantraniliprole	Altacor WG		No	No
Chlorpyrifos	Lorsban Advanced		Yes	Yes <sup>4</sup>
	Lorsban-4E		Yes	Yes <sup>4</sup>
	Vulcan		Yes	Yes <sup>4</sup>
Clothianidin	Clutch		No	No
Cyflumetofen	Nealta SC		No	No
Cyfluthrin	Baythroid 2E		Yes <sup>5</sup>	No
	Tombstone Helios E		Yes <sup>5</sup>	No
Dinotefuran	Venom		No	No
Etoxazole	Zeal Miticide1 WSP		No	No
	Zeal SG		No	No
Fenbutatin-oxide	Vendex 50WP		Yes	Yes
Fenpropathrin	Danitol 2.4EC		No	No
Fenpyroximate	Portal		Yes	No

Flubendiamide	Belt		No	No
Flubendiamide & buprofezin	Tourismo SC		No	No
Hexythiazox	Onager Miticide		No	No
Indoxacarb	Avaunt 30 WDG		No	No
Imidacloprid	Provado Solupak 75 WSP		No	No
	Provado 1.6F		No	No
	Prey 1.6F		No	No
	Admire 2F		No	No
	Admire Pro 4.6L		No	No
	Alias 2F		No	No
	Alias 4F		No	No
	Pasada 1.6F		No	No
	Pasada 75WSB		No	No
Imidacloprid & beta-cyfluthrin	Leverage 360		No	No
	Leverage 2.7		No	No
Imidacloprid, bifenthrin & zeta-cypermethrin	Triple Crown		No	No
Malathion	Malathion 5EC		No	No
	Malathion 57%		No	No
	Malathion 8		No	No
	Aquamul		No	No
Methoxyfenozide	Intrepid		No	No
Phosmet	Imidan		No	Yes <sup>6</sup>
Potassium salts of fatty acids	M-Pede		No	No
Pyrethrins	Evergreen		No	Yes <sup>7</sup>
Pyridaben	Nexter		Yes	No
Spinetoram	Delegate		No	No
Spinosad	Entrust		No	No
	Entrust SC		No	No
	Spintor		No	No
Spirotetramat	Movento		No	No
Thiamethoxam	Actara WDG		No	No
	Platinum		No	No
Thiamethoxam & chlorantraniliprole	Voliam Flexi WG		No	No
Zeta-cypermethrin	Mustang Max		No	No
	Mustang Maxx		No	No

1 respirator needed for potato growers under certain conditions. See label for more information

2 respirator as listed on label is required for mixers and loaders supporting aerial or chemigation application

3 If applying with open cab airblast equipment at application rates equal to or greater than 5 quarts of Sevin SLR Plus per acre must wear respirator as listed on label

4 Applicators using aerial application equipment do not need a respirator

5 Except when using closed mixing loading systems, mixers and loaders supporting aerial or chemigation applications must wear respirator type as listed on the label.

6. Motorized ground equipment applicators not in an enclosed cab, applicators dipping pine seedlings, and handlers engaged in cleaning up a spill or leak, or cleaning or repairing contaminated equipment must wear a respirator as described on the label.

7. Only applicators and other handlers using hand-held foggers in an enclosed area must wear a respirator.