

## Potato foliar insecticide spray guide for insecticide resistance management

Foliar options for **Colorado potato beetle** control if imidacloprid or thiamethoxam was used at-planting

Group	Brand name	Chemical name	Rate (per acre)	PHI	Days between treatments	Recommended maximum use per season	Recommended maximum number of applications <sup>1</sup>
3 and 28	Voliam Xpress	lambda-cyhalothrin + chlorantraniliprole	6.0-9.0 fl oz	14 days	7 days	27 fl oz	3
5	Radiant SC	spinetoram	4.5-8.0 fl oz	7 days	7 days	16 fl oz	2
6	Agri-Mek 0.15 EC	abamectin	8.0-16.0 fl oz	14 days	7 days	32 fl oz	2
15	Rimon <sup>2</sup>	novaluron	6.0-12.0 fl oz	14 days	7 days	24 fl oz	2
28	Coragen	chlorantraniliprole	3.5-5.0 fl oz	14 days	5 days	10 fl oz	2

<sup>1</sup> limit applications to a single generation

<sup>2</sup> only effective on larvae, time application when small larvae are most abundant

### Foliar options for **aphid** control

Group	Brand name(s)	Chemical name	PHI
1A	Lannate	methomyl	6 days
1B	Dimethoate	dimethoate	0 days
3A	Ambush, Perm-UP, Pounce	permethrin	14 days
	Asana, S-FenvaloStar	esfenvalerate	7 days
	Steed	zeta-cypermethrin + bifenthrin	21 days
3A and 6	Athena	bifenthrin + avermectin	21 days
9B	Fulfill	pymetrozine	14 days
9C	Beleaf	flonicamid	7 days
23	Movento	spirotetramat	7 days

### Foliar options for **leafhopper** control

Group	Brand name(s)	Chemical name	PHI
1A	Sevin	carbaryl	7 days
	Lannate	methomyl	6 days
1B	Dimethoate	dimethoate	0 days
	Imidan	Phosmet	7 days
3A	Asana, S-FenvaloStar	esfenvalerate	7 days
	Ambush, Perm-UP, Pounce	permethrin	14 days
	Baythroid	beta-cyfluthrin	0 days
	Warrior	lambda-cyhalothrin	7 days
3A and 6	Athena	bifenthrin + avermectin	21 days

Note: The products listed for Colorado potato beetle control are non-neonicotinoids, therefore they are recommended **for insecticide resistance management**. These guide lines are for growers who applied an at-planting neonicotinoid (imidacloprid or thiamethoxam).