

Carbine® 50WG Insecticide



POTATOES

Control insect pests that vector costly diseases with Carbine® 50WG insecticide.

To help stop aphid and psyllid damage within 30 minutes to one hour of ingestion, use Carbine® 50WG insecticide from FMC. It works by affecting the potassium channels in the pests' nervous systems, permanently and irreversibly putting a stop to feeding. Carbine 50WG insecticide helps protect both sides of the leaf from disease-transmitting insects due to its translaminar activity.

Controlling these pests can halt the spread of potato virus Y and zebra chip disease, which can cause substantial internal damage to potato crops and, eventually, substantial economic losses.

QUICK FACTS:

- Insects stop feeding within 30 minutes to one hour of ingestion.
- Studies have demonstrated that Carbine 50WG insecticide helps reduce disease transmission and provides a consistent window of protection.
- Unique mode of action serves as an excellent resistance management tool. No cross-resistance to other insecticides.
- Protects both sides of the leaf from disease-transmitting insects due to its translaminar activity.
- Provides one to three weeks of residual activity depending upon plant growth stage and rate used.
- With the correct dosage, timing and method of application, Carbine 50WG insecticide has minimal impact on many important beneficial predators in your potato fields.
- Seven-day PHI with no phytotoxicity to potato crops.



Target Pests:

Potato aphid, green peach aphid
Potato psyllid and other key psyllids
Plant bugs including tarnished and Western plant bugs
Greenhouse whiteflies

Product Information:

Active Ingredient: Flonicamid, Group 29
Chemistry Class: Pyridinecarboxamide
Formulation: 50% WDG (water dispersible granule)
Signal Word: WARNING

Precautions/Restrictions:

- Do not apply more than 2.8 oz./A (0.088 lbs. ai/A) per application.
- Do not apply more than three applications at 2.8 oz./A per year.
- Do not apply more than a total of 8.4 oz./A per year.
- Allow a minimum seven days between applications.
- Use a minimum of 10 GPA by ground and 3 GPA by air.
- PHI: Seven days.
- REI: 12 hours.

Crop	Pests	Recommended Rate (fl. oz./A)	Lbs. Active Ingredient/A	Application Directions
Potatoes	Aphids, lygus plant bug spp. and potato psyllid	2.0 - 2.8	0.062 - 0.088	<ul style="list-style-type: none">• Begin applications before populations begin to build and before damage is evident according to local pest management guidelines.• Use lower rate for building populations.• Use higher rate for greater populations and/or dense foliage.• Rapidly growing plants may need retreatment.
	Greenhouse Whiteflies	2.8	0.088	<ul style="list-style-type: none">• Apply when adult whiteflies first appear.• Do not allow population to increase unchecked before making first application.• Application provides suppression only.• For control, apply in combination with other effective products labeled for use on potatoes.

To learn more about Carbine 50WG insecticide, contact your FMC retailer or visit [Ag.FMC.com](https://www.Ag.FMC.com).

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