

APHIDS AND PSYLLIDS SUCK. MAKE THEM STOP. FAST.

After an application of Beleaf® 50 SG insecticide, aphids and plant bugs quit feeding in 30 minutes or less. Beleaf 50 SG insecticide features a unique chemistry that targets piercing and sucking insects and is soft on beneficials. The mode of action found in Beleaf 50 SG insecticide works on the target insect's central nervous system, causing feeding cessation and reducing the threat of virus transmission. Talk to your FMC Star Retailer or visit FMCcrop.com to learn more about Beleaf 50 SG insecticide today.



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Don't Let Aphids and Psyllids Suck the Profits From Your Potato Crop

Aphids and psyllids are small, but the damage these sucking and piercing insects cause to potatoes can be big. Aphids vector potato virus Y (PVY) and other viruses while psyllids are a vector for zebra chip disease. These viruses and diseases reduce yields and can make potatoes unmarketable, seriously limiting revenue.

PVY is a Growing Problem

"PVY transmission takes place in a matter of seconds so it's more difficult to manage than potato leaf roll virus. There are new strains of PVY that don't display obvious symptoms, making it harder to rogue infected plants to reduce inoculum levels," says Jim Dwyer, University of Maine IPM specialist. "PVY is becoming more of an issue for the entire potato industry."

Dwyer, who advises the Maine Potato Seed Producers on IPM programs to prevent the spread of PVY and uphold potato seed quality, recommends the following integrated pest management approach to control aphids and minimize inoculum in seed and commercial potato production:

- Plant certified seed
- Scout fields for aphids
- Apply insecticides for colonizing aphids
- Apply stylet oils for non-colonizing aphids
- Rogue infected plants
- Plant a small grains trap crop



Ensuring High-Quality Seed Stock

Walther Potato Farms, Three Rivers, Mich., produces seed potatoes for Michigan and Canada. "We have zero tolerance for aphids because seed is such an important foundation to an outstanding crop. We don't want any virus transmission to our seed stock," says the company's agronomist, Karl Ritchie. He looks at weather models to predict aphid flights so they can treat one week before the aphids' anticipated arrival. Beleaf® 50 SG insecticide is a standard in their spray program. "Beleaf 50 SG insecticide is faster acting than other insecticides that we've tried. It's very effective, and we are very pleased with it," Ritchie says.

	Maximum number of applications/season	Can follow other insecticides	Quick feeding disruption	Sticker binder/ Fungicide use
Beleaf 50 SG insecticide	3	Yes	Yes	Yes, okay to tank mix with Bravo Weather Stik®, Bravo Ultrex®, etc.
Movento® insecticide	2	Yes	No	Not specific
Fulfill® insecticide	2	Yes	No	No, avoid Bravo Weather Stik®, Bravo Ultrex®, etc.
Actara® insecticide	4	No, do not apply if Admire® Pro, Belay®, Cruiser®, Gaucho®, Platinum® have been used in this year.	No	No, avoid Bravo Weather Stik, Bravo Ultrex®, etc.

SOURCE: Dr. Joe Reed, FMC Technical Services Manager – Eastern Region

The company also uses Beleaf 50 SG insecticide in its commercial potato production to knockdown aphids when they reach economic thresholds and to control psyllids in its Nebraska and Colorado fields.

Ritchie likes that Beleaf 50 SG insecticide is soft on beneficial insects. "Using softer chemistries is important and becoming more important every year," he says. "That's what our customers want. It's great for our customers, the beneficial insects and us. It's a win all the way around."



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