



Broad-Spectrum Insecticide for Potato Crops

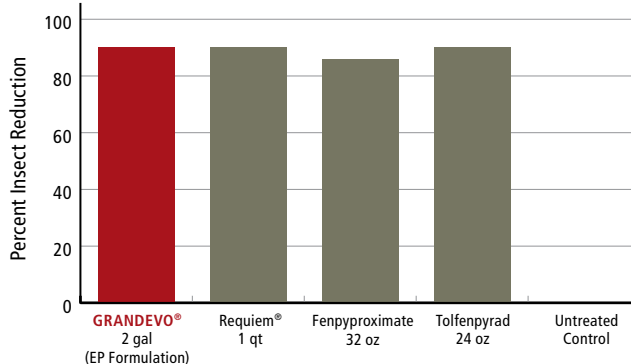
Grandevo® is an advanced broad-spectrum bioinsecticide that offers proven protection against chewing and sucking insects and mites. Its performance profile—including unique and complex modes of action and extended residual control, gives growers a powerful new tool to strengthen their pest management strategies. Grandevo provides performance and flexibility for control of **armyworms, psyllids, potato aphids, potato leafhoppers** and other damaging potato pests whether grown in conventional or organic farming operations.

IDEAL FOR RESISTANCE MANAGEMENT AND IPM PROGRAMS

Grandevo protects your crop through three actions; oral toxicity, decreased fecundity and repellency. This combination makes it very difficult for insects to develop resistance. Applied early when pest pressure is first present, Grandevo provides residual activity that gets your IPM spray program off to a strong start. Whether it is used alone, in a tank mix or as part of a spray rotation, Grandevo is an excellent tool for resistance management. And in addition, Grandevo won't interfere with beneficial insect activity or populations so you can use it as a cornerstone insecticide in your IPM program.

Potato Psyllid

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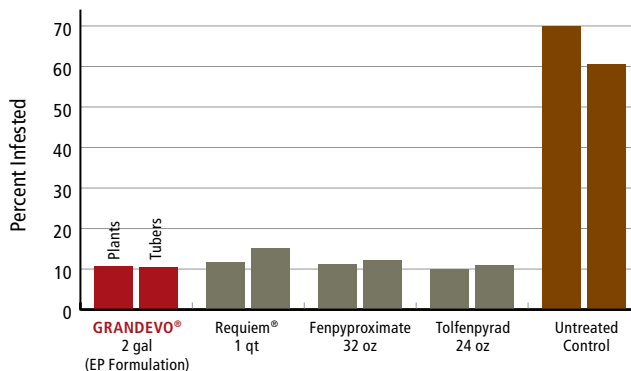


Treatments applied as three foliar applications- 14-19 day intervals (2010). Fenpyroximate and tolfenpyrad are not registered for use on potatoes. Trial performed with an earlier liquid formulation (EP) of Grandevo where 1 gal is comparable to 1 lb of the current formulation of Grandevo (DF). Target pest species: *Bactericera cockerelli*

Grandevo offers effective pest control with 4-hour REI and 0-day PHI

Zebra Chip on White Potato

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Treatments applied on Feb 18 (foliar), Mar 9 (foliar), Mar 23, 2010 (foliar). Treatments evaluated on Feb 8, Feb 17, Mar 8, Mar 17, Mar 22, and Apr 12, 2010. Fenpyroximate and tolfenpyrad are not registered for use on potatoes. Trial performed with an earlier liquid formulation (EP) of GRANDEVO where 1 gal is comparable to 1 lb of the current formulation of GRANDEVO (DF).

FEATURES

- Broad-spectrum protection against mites and chewing and sucking insects
- Complex mode of action
- Easy on beneficials
- 4-hour REI / 0-day PHI
- Tolerance exempt
- Minimal PPE / no buffer required for spray applications
- Approved for field and greenhouse applications
- NOP compliant and OMRI approved

LABELED CROPS

- Potatoes
- Sweet Potatoes
- Sugar Beets
- Yams
- Other Root and Tuber Vegetables

LABELED PESTS

- Leafhopper
- Psyllid
- Armyworm
- European corn borer
- Looper
- Aphid
- Potato aphid
- Whitefly
- Artichoke plume moth

BEST USE RECOMMENDATIONS

Control of potato psyllid, potato leafhopper and aphids:


Apply Grandevo at 2 lb per acre on a 7-14 day interval for control of potato psyllid, potato leafhopper and aphids. For control of potato psyllid, make the first application upon the initial detection of adult psyllids or when psyllids have been detected in your production region. Do not allow psyllid populations to become established. Under higher pressure reduce application interval to 7 days. Grandevo can also be tank mixed at 1-2 lb per acre with other products active against potato psyllid. For control of potato leafhopper and aphids apply Grandevo at 2 lb per acre when populations are low and beginning to build. Repeat applications on a 7-14 day scheduled as needed. For all applications include a quality adjuvant to promote good coverage and follow label directions for mixing and water volumes using a minimum of 10 gallons of water per acre. Greater water volumes will improve coverage and product performance.

The proper mixing procedure for Grandevo in tank mix combinations with other pesticides is:

1. Fill the spray tank 1/2 full with clean water.
2. While recirculating and with the agitator running, add any products in Polyvinyl acetate (PVA) bags. Allow time for thorough mixing.
3. Add the required amount of Grandevo and any other wettable powder (WP) or wettable granules (WG) products.

4. Add the required amount of any other “flowable” (FL or SC) type products.
5. Allow enough time for thorough mixing of each product added to tank.
6. If applicable, add any remaining tank mix components such as emulsifiable concentrates (EC), fertilizers, micronutrients and spray adjuvants.
7. Fill spray tank to desired level and maintain constant agitation to ensure uniformity of spray mixture.

NOTE: Do not use PVA packets in a tank mix with products that contain boron or release free chlorine. The resultant reaction of PVA and boron or free chlorine is a plastic that is not soluble in water or solvents.

| Product* | Psyllid | Aphids | Armyworm | Leafhopper | Whitefly | European Corn Borer | Looper | REI (hours) | PHI (days) |
|---|---------|--------|----------|------------|----------|---------------------|--------|-------------|------------|
|  GRANDEVO | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | 4 | 0 |
| ADMIRE® PRO | ◆ | ◆ | | ◆ | | | | 12 | 0 |
| MOVENTO® | ◆ | ◆ | | | ◆ | | | 24 | 7 |
| PLATINUM® | ◆ | ◆ | | ◆ | | | | 12 | 0 |
| CORAGEN® | | | ◆ | | | ◆ | ◆ | 4 | 14 |
| OBERON® | ◆ | | | | ◆ | | | 12 | 7 |
| FULFILL® | ◆ | ◆ | | | | | | 12 | 14 |
| BELEAF® | ◆ | ◆ | | | ◆ | | | 12 | 7 |
| BELAY® | ◆ | ◆ | | ◆ | | | | 12 | 14 |
| ASANA® XL | ◆ | ◆ | ◆ | ◆ | | ◆ | ◆ | 12 | 7 |

* Chart reflects foliar use applications only.



CAN BE USED IN ORGANIC PRODUCTION



Always read and follow label directions.

FOR ADDITIONAL INFORMATION, CONTACT YOUR LOCAL RETAILER OR CONTACT MARRONE BIO INNOVATIONS:

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MarroneBio.com/Grandevo