



The miracles of science™

# Count on DuPont to help optimize sunflower quality and yield through consistent insect control

## DuPont™ Prevathon®

insect control

powered by  
RYNAXYPYR®

DuPont™ Prevathon® insect control, with the powerful active ingredient Rynaxypyr®, offers effective, long-lasting insect control with a shorter reentry interval after application, and minimal impact to most beneficial insect species, including bees.<sup>1</sup> Prevathon® combines these attributes to optimize sunflower yield and quality while having an excellent worker protection profile.

### Key benefits of Prevathon®:

- Delivers long-lasting residual control of key worm pests<sup>2</sup>, protecting sunflower yield and improving quality.
- Improves application flexibility, which can help when the number of acres to treat is greater than the time allowed to treat.
- Works through ingestion, contact, and ovi-larvicidal properties so control can be assured within a wider application window.
- Excellent crop protection — starts working right away by stopping insect feeding and keeps working for 14 to 21 days<sup>3</sup> minimizing and reducing the number of potential treatments.
- Provides a very short reentry interval (4 hour REI), an excellent worker protection profile and minimal PPE requirement.

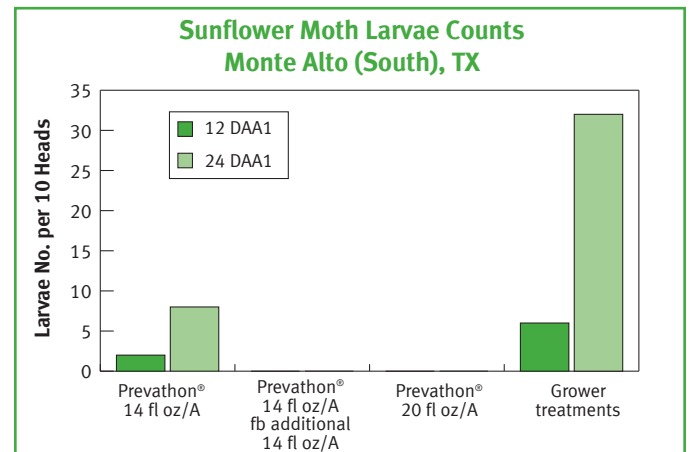
- Allows for flexible coordination of other field activities soon after application and the timely scouting of treated fields without major scheduling conflicts.
- Minimal impact on beneficial insects and honeybees.<sup>1,4</sup>
- Does not impact honey pollination activity which impacts sunflower yield and seed quality.
- The toxicological profile and mode of action of Prevathon® reduces many of the negative consequences and insect-resistance cycles that result from repeated use of current products.

<sup>1</sup> In line with Integrated Pest Management and Good Agricultural Practices, insecticide applications should be made when pollinators are not foraging to avoid unnecessary exposure.

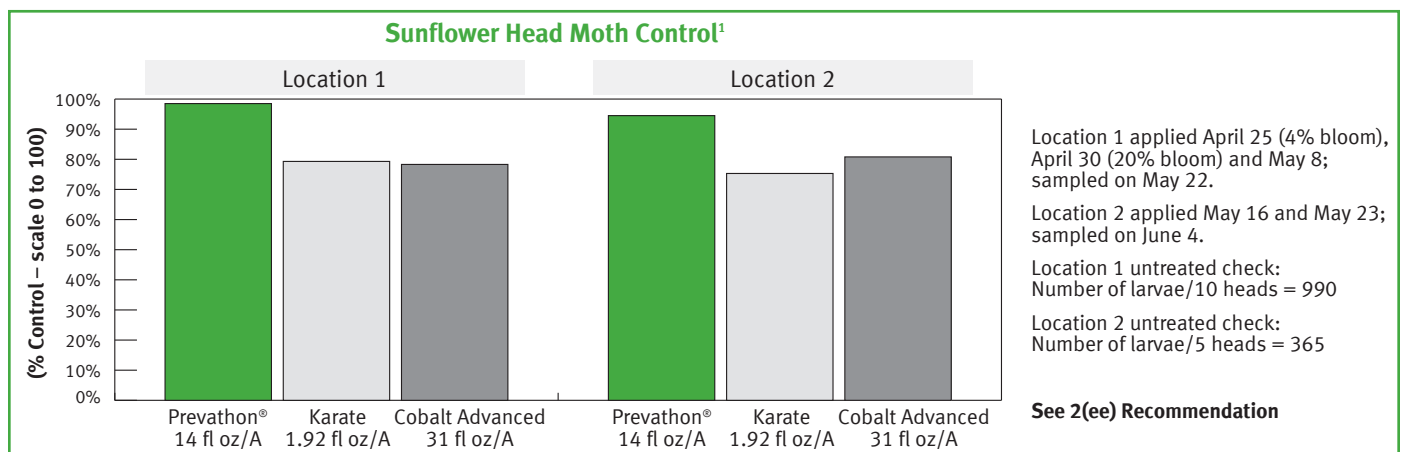
<sup>2</sup> See product label for crop/pest combinations controlled or suppressed.

<sup>3</sup> Untreated plant material may not be fully protected as a result of plant growth. During the period of head expansion sequential applications may be necessary.

<sup>4</sup> When used in accordance with label directions.



Application dates: May 24, 2013 and June 3, 2013



Location 1 applied April 25 (4% bloom), April 30 (20% bloom) and May 8; sampled on May 22.

Location 2 applied May 16 and May 23; sampled on June 4.

Location 1 untreated check: Number of larvae/10 heads = 990

Location 2 untreated check: Number of larvae/5 heads = 365

**See 2(ee) Recommendation**

Source: 2012 Sunflower Head Moth Control Trials, Dr. Roy Parker, Texas A&M; Corpus Christi, TX



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## DuPont™ Prevathon® Use Rates — Sunflower

Application method	Pest	Pound active ingredient per acre	Fluid ounces product per acre	Last application (days to harvest)	REI (hours)
Foliar	Diamondback moth, sunflower head moth <sup>1</sup> , banded sunflower moth <sup>1</sup>	0.047–0.067	14.0–20.0	21	4

<sup>1</sup> This recommendation for Prevathon® is permitted under FIFRA Section 2(ee) for foliar control of sunflower head moth larvae and banded sunflower moth larvae in sunflower in the states of CO, KS, MN, MT, ND, NE, OK, SD, TX and WY. The 2(ee) expiration date is 12/31/2015.

Use restrictions:

Make no more than 4 applications per acre per crop.

Minimum interval between treatments is 5 days.

Do not apply more than 60 fl oz Prevathon® or 0.2 lb ai of chlorantraniliprole-containing products per acre per year.

If adjuvants are used, use only a non-ionic surfactant (NIS).

### Use directions

The keys to effective use of Prevathon® include timing, rate and coverage.

**Timing** of application is critical. Applications should be made at or just before egg lay of sunflower head moth, banded sunflower moth, or diamondback moth eggs.

Longer residual activity can be expected when **higher rates** of Prevathon® are applied. Sequential applications may be needed during periods of head expansion.

**Good coverage** is essential. Use sufficient water to obtain thorough, uniform coverage. Prevathon® may be applied by conventional ground rig or overhead chemigation.

A non-ionic surfactant may be used to enhance deposition and coverage.

### For more information

Put this powerful tool to work for you. Contact your local DuPont retailer or representative to learn how you can get more consistent control of key pests with DuPont™ Prevathon® insect control. And visit us at [prevathon.dupont.com](http://prevathon.dupont.com).

DuPont™ Prevathon® is not registered for sale or use in all states. Contact your DuPont representative for details and availability in your state.

Cobalt and Karate are restricted-use pesticides.

This reference guide is not intended as a substitute for the product label for the product(s) referenced herein. Product labels for the above product(s) contain important precautions, directions for use, and product warranty and liability limitations, which must be read before using the product(s). Applicators must be in possession of the product label(s) at the time of application. Always read and follow all label directions and precautions for use when using any pesticide alone or in tank-mix combinations.

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