

Realize optimal yield and quality in sunflowers with reliable and consistent control.

DuPont™
Coragen®
 insect control
 powered by
 RYNAXYPYR®

Sunflowers — California

California sunflower growers need to control sunflower head moth for optimum seed yield and quality.

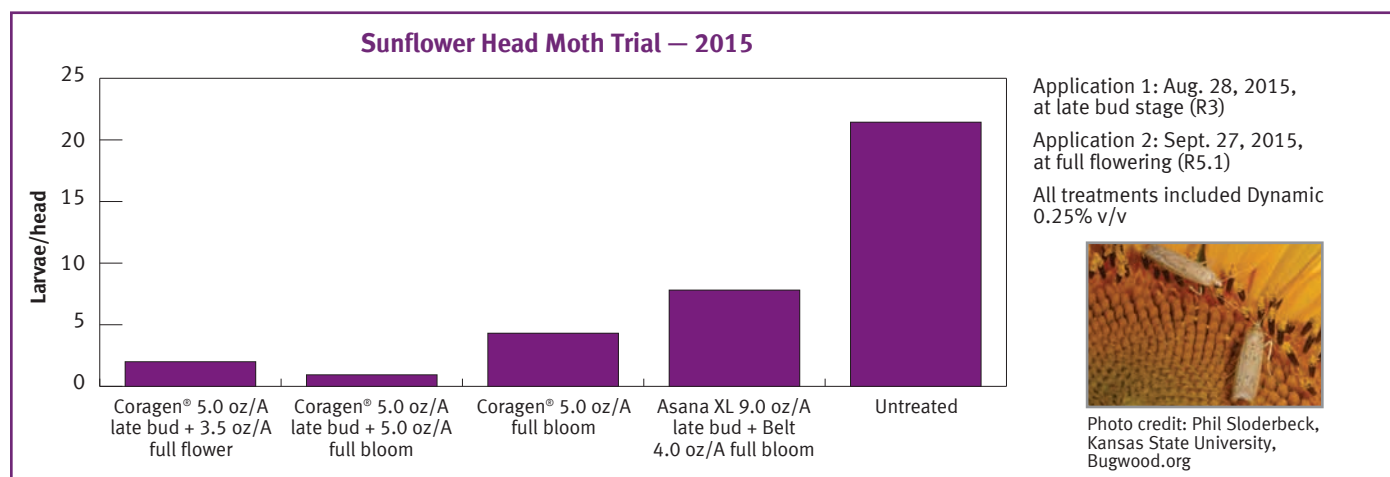
DuPont™ Coragen® insect control, with the powerful active ingredient Rynaxypr®, offers effective, long-lasting insect control with a shorter reentry interval after application, and minimal impact to most beneficial insect species, including bees.¹ Coragen® combines these attributes to optimize sunflower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

Key benefits of Coragen®

- Delivers long-lasting residual control of key worm pests², 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,³ minimizing and reducing the number of potential treatments.

- Provides a very short reentry interval (4 hour REI), an excellent worker protection standard 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.^{1,4}
- Does not impact honey pollination activity, which impacts sunflower yield and seed quality.
- The toxicological profile and mode of action of Coragen® reduce many of the negative consequences and insect-resistance cycles that result from repeated use of current products.
- Reduced *Rhizopus* head rot infections from less worm feeding damage.

¹ In line with Integrated Pest Management and Good Agricultural Practices, insecticide applications should be made when pollinators are not foraging to avoid unnecessary exposure.
² See product label for crop/pest combinations controlled or suppressed.
³ 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.
⁴ When used in accordance with label directions.



Source: 2015 DuPont Pioneer, Sunflower Station, Woodland, Calif.

DuPont™ Coragen®

insect control

powered by
RYNAXYPYR®

DuPont™ Coragen® 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 moth larvae ¹ , banded sunflower moth larvae ¹	0.045–0.065	3.5–5.0	1	4

¹ This recommendation for Coragen® is permitted under FIFRA Section 2(ee) for foliar control of sunflower moth larvae and banded sunflower moth larvae in sunflower in the state of California. The 2(ee) expiration date is 12/31/2016.

Use restrictions:

Make no more than 4 applications per acre per crop.

Minimum interval between treatments is 5 days.

Do not apply more than 15.4 fl oz of Coragen® or 0.2 lb ai of chlorantraniliprole-containing products per acre per year.

Use directions

The sunflower head moth starts laying eggs at the initiation of flowering.

Research in Texas and Northern California have shown that **sequential Coragen® applications** starting at **late bud (R3)** followed by a second application at **full flowering (R5)** provide the most consistent sunflower head moth control.

Timing of application is critical. Applications should be made at or just before egg lay of sunflower head moth. Longer residual activity can be expected when **higher rates** of Coragen® are applied. Sequential applications may be needed during periods of head expansion.

Good coverage is essential. Use sufficient water to obtain thorough, uniform coverage. An adjuvant may be used to enhance deposition and coverage.

This sequential program with Coragen® provides 21 to 28 days of control throughout the sunflower head moth egg-laying period.

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™ Coragen® insect control. And visit us at coragen.dupont.com.



Late bud (R3)



Full flowering (R5)

Asana XL is a restricted-use pesticide.

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.

Unless indicated, trademarks with ®, ™ or SM are trademarks of DuPont or affiliates. © 2016 DuPont. 6/16
Asana® XL (Sumitomo); Belt™ (Bayer).

Reorder No.: K-29176 (Replaces K-29105)