



# Realize optimal yield and quality in cucurbits with reliable and consistent control

**DuPont™**  
**Coragen®**  
 insect control  
 powered by  
 RYNAXYPYR®

## Cucurbits — Eastern U.S.

DuPont™ Coragen® insect control is a breakthrough mode of action insecticide that delivers remarkable protection. Optimize yield and quality in your fields by achieving consistent and long-lasting control of key insect pests in cucurbits.

### Key benefits of Coragen®

- Helps break the insect resistance cycle with a breakthrough mode of action, compared to other standard treatments
- Excellent control of all major worm pests and leafminer (larvae)<sup>1</sup> plus suppression of silverleaf whitefly nymphs
- The first product to include the only active ingredient that controls worms through drip chemigation<sup>2</sup>
- Long-lasting protection — 14 to 21 days and longer<sup>3</sup>
- Shortest reentry — 4 hours
- Short preharvest interval — 1 day for cucumbers and squash
- Excellent crop protection — insects stop feeding in minutes
- Application flexibility — drip<sup>2</sup> or foliar spray (ground and air)
- Works through ingestion or contact to deliver ovicidal<sup>4</sup> and ovi-larvicidal activity
- Minimal impact on beneficials when applied at labeled rates — excellent fit with IPM programs\*
- Does not flare secondary pests or mites
- Rainfast once spray has dried

\* 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>1</sup> Control of *Liriomyza* species, except suppression only for *L. huidabrensis* and *L. langei*.

<sup>2</sup> Drip chemigation is not allowed on all crops. See Coragen® product label for more information about which crops may be treated through drip chemigation.

<sup>3</sup> Depending on application method, untreated plant material may not be fully protected as a result of plant growth.

<sup>4</sup> Ovicidal activity on selected pest species.

<sup>5</sup> Additional labeled crops include artichoke, asparagus, bulb vegetables, bulb garlic, cereal grains, corn (sweet, seed, field, pop), grass forage, fodder and hay, herbs, hops, legume vegetables, peppermint/spearmint, non-grass animal feeds (including alfalfa), okra, potato, oilseeds, soybeans, spices, strawberry, sugarcane, tobacco and root and tuber vegetables.

Crops <sup>5</sup>	Pests (partial list)
	Beet armyworm ( <i>Spodoptera exigua</i> )
	Cabbage looper ( <i>Trichoplusia ni</i> )
	Corn earworm ( <i>Helicoverpa zea</i> )
	Leafminers (larvae) ( <i>Liriomyza</i> spp.) <sup>1</sup>
	Silverleaf whitefly nymph suppression
	Beet armyworm ( <i>Spodoptera exigua</i> )
	European corn borer ( <i>Ostrinia nubilalis</i> )
	Leafminers (larvae) ( <i>Liriomyza</i> spp.) <sup>1</sup>
	Loopers
	Tomato fruitworm ( <i>Helicoverpa zea</i> )
	Tomato pinworm ( <i>Keiferia lycopersicella</i> )
	Western yellowstriped armyworm ( <i>Spodoptera praefica</i> )
	Silverleaf whitefly nymph suppression
	Beet armyworm ( <i>Spodoptera exigua</i> )
	Cabbage looper ( <i>Trichoplusia ni</i> )
	Cross-striped cabbageworm ( <i>Evergestis rimosalis</i> )
	Diamondback moth ( <i>Plutella xylostella</i> )
	Imported cabbageworm ( <i>Pieris rapae</i> )
	Beet armyworm ( <i>Spodoptera exigua</i> )
	Cabbage looper ( <i>Trichoplusia ni</i> )
	Leafminers (larvae) ( <i>Liriomyza</i> spp.) <sup>1</sup>
	Melonworm ( <i>Diaphania hyalinata</i> )
	Silverleaf whitefly nymph suppression

# DuPont™ Coragen®

insect control

powered by  
RYNAXYPYR®

## Cucumbers and Squash — Insecticide Spray Program — Eastern U.S.

Week	Treatment	Insects**
1–2	DuPont™ Coragen® — 5 fl oz/A via drip chemigation, where applicable; otherwise use a foliar spray	Key worms, leafminer (larvae), <sup>6</sup> silverleaf whitefly nymphs <sup>7</sup>
	DuPont™ Lannate® SP <sup>8</sup> — 0.5–1.0 lb/A foliar spray <i>and/or</i> DuPont™ Vydate® L — 1–2 qt/A via drip chemigation	Worms, melon aphid, cucumber beetle, flea beetle Nematodes <sup>9</sup>
3–4	Coragen® — 5 fl oz/A via drip chemigation, where applicable, 14 days following first Coragen® application <sup>10</sup> ; otherwise use a foliar spray	Key worms, leafminer (larvae), <sup>6</sup> silverleaf whitefly nymphs <sup>7</sup>
	Vydate® L — 1–2 qt/A via drip chemigation <i>or</i> Vydate® L — 1–2 qt/A foliar spray	Nematodes <sup>9</sup> Aphids, <i>Liriomyza</i> spp., leafminer, thrips, nematodes <sup>9</sup>
5–7	DuPont™ Avaunt® — 2.5–6.0 oz/A foliar spray <i>or</i> Lannate® SP <sup>8</sup> — 0.5–1.0 lb/A foliar spray <i>or</i> Vydate® L — 1–2 qt/A via drip chemigation <i>or</i> Vydate® L — 1–2 qt/A foliar spray	Pickleworm, melonworm, cabbage looper Worms, melon aphid, cucumber beetle, flea beetle Nematodes <sup>9</sup> Aphid, <i>Liriomyza</i> spp., leafminer, thrips, nematodes <sup>9</sup>
7–8	Coragen® — 5 fl oz/A foliar spray <sup>10</sup> 45 days following previous Coragen® application	Key worms, leafminer (larvae), <sup>6</sup> silverleaf whitefly nymphs <sup>7</sup>
	Vydate® L — 1–2 qt/A via drip chemigation <i>or</i> Vydate® L — 1–2 qt/A foliar spray	Nematodes <sup>9</sup> Aphids, <i>Liriomyza</i> spp., leafminer, thrips, nematodes <sup>9</sup>
9+	Avaunt® — 2.5–6.0 oz/A foliar spray <i>or</i> Lannate® SP <sup>8</sup> — 0.5–1.0 lb/A foliar spray <i>or</i> Vydate® L — 1–2 qt/A foliar spray	Pickleworm, melonworm, cabbage looper Worms, melon aphid, cucumber beetle, flea beetle Aphids, <i>Liriomyza</i> spp., leafminer, thrips, nematodes <sup>9</sup>

\*\* See individual product labels for specific pests controlled or suppressed by these products.

NOTE: Studies have shown that, when used as part of a pest-management program, application of Vydate® L can result in enhanced plant vigor.

<sup>6</sup> Control of *Liriomyza* species, except suppression only for *L. huidabrensis* and *L. langei*.

<sup>7</sup> Suppression only.

<sup>8</sup> Lannate® SP is registered for use on cucumbers and summer squash only.

<sup>9</sup> For supplemental treatment of specific nematode species following a preplant or an at-plant nematicide application. See Vydate® L label for details.

<sup>10</sup> See Coragen® product label for specific guidance regarding Insect Resistance Management practices; avoid using the same mode of action on consecutive generations of insect pests.

Do not apply more than 15.4 fl oz Coragen® or 0.2 lb a.i. of chlorantraniliprole containing products per acre per crop. Do not apply more than 46.2 fl oz Coragen® or 0.6 lb a.i. of chlorantraniliprole containing products per acre per year; in NY do not apply more than 15.4 fl oz Coragen® or 0.2 lb a.i. of chlorantraniliprole containing products per acre per year.

### 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 in cucurbits with DuPont™ Coragen® insect control. And visit us at [coragen.dupont.com](http://coragen.dupont.com).

DuPont™ Lannate® SP and Vydate® L 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 that must be read before using the product. 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.

The DuPont Oval Logo, DuPont™, Avaunt®, Coragen®, Lannate®, Rynaxypyr® and Vydate® are trademarks or registered trademarks of DuPont or its affiliates.

Copyright © 2008-2014 E.I. du Pont de Nemours and Company. All Rights Reserved. 10/14

Reorder No.: K-28520 (Replaces K-28154)