

DuPont™ Asana® XL

insecticide

Outstanding, more effective and longer-lasting control of western bean cutworm and other threats to corn

As its name suggests, western bean cutworm (WBC) was once primarily a pest of dry beans in the western United States. Now, WBC is considered a threat to field corn in some of the largest corn-producing states.

Over the last several years, WBC has gradually migrated eastward through Iowa and into parts of Illinois and Missouri. Many fields in these states have been damaged because growers were simply unaware of the problem.

The good news: This relatively new problem can be controlled with a proven product. Count on DuPont™ Asana® XL insecticide to deliver highly effective, economical control of WBC and other insects that threaten your corn.

Are western bean cutworms attacking your corn?

WBC is a late-season pest that begins to damage corn just prior to pollination as larvae feed on developing tassels and ears. When infestation levels average several larvae per ear, yield reductions can be as high as 30 percent to 40 percent. In addition to consuming developing kernels, WBC feeding also allows entry of other insect feeders as well as ear rot pathogens.



Corn damaged by western bean cutworm

Scouting is essential

Entomologists suggest using light or pheromone traps to monitor for WBC moths in early July. When the first moths appear, growers should immediately begin to scout their fields. Look for eggs and larvae on the upper leaf surface in the upper part of the plant.

Sample 100 plants by checking 20 consecutive plants in 5 areas of the field, or 10 consecutive plants in 10 areas of the field. The more variable the field or the more hybrids planted, the more areas that should be sampled.

If 8 percent of the plants have an egg mass or young larva in the tassel, an insecticide application should be considered. This low threshold is made necessary by the ability of the larvae to move to other plants.

If WBC is present, proper timing is critical to achieve acceptable control. If tassels are not yet emerged, wait to apply until 90 percent to 95 percent of tassels have emerged. If tassels have already emerged, apply when 70 percent to 90 percent of the eggs have hatched. Note that hatch will occur in about 24 hours once eggs have reached the dark purple stage.

Note: Before treating, corn fields also should be checked for the presence of spider mites. If spider mites are found, use an insecticide product that won't stimulate mite reproduction.



Stop western bean cutworm with DuPont™ Asana® XL

Asana® XL delivers longer-lasting control at a great, low price. And, with its unique CSO formulation (cottonseed oil), Asana® XL resists washoff and breakdown by sunlight for longer-lasting control of labeled pests. Photostability studies demonstrate that Asana® XL continues working longer than most other synthetic pyrethroids.

Equally important, Asana® XL is nonphytotoxic to crops and foliage. It does not interfere with fruiting or reduce crop vigor. As a result, your crop can grow to its full potential.

Fast-acting to stop feeding quickly

Insects exposed to Asana® XL stop feeding almost immediately, preventing further damage to the plant. After initial knockdown, Asana® XL controls insects when they feed or move about on treated plant surfaces. However, it is advisable to wait 48 to 72 hours before assessing the full effectiveness of the treatment.

How to get the best results with DuPont™ Asana® XL

- Apply Asana® XL at the rate of 2.9-5.8 fluid ounces per acre (0.015-0.03 pound of active ingredient per acre).
- Make application before larvae enter the ear.
- Do not apply more than 0.25 pounds ai per acre per season to field corn or seed corn. For popcorn and sweet corn do not apply more than 0.5 pounds ai per acre season.

Tank-mix flexibility

Asana® XL is compatible with many commonly used pesticides for tank-mix uses. Carefully follow restrictions on any pesticide to be tank mixed with Asana® XL.*

Choice of container sizes

Asana® XL contains 0.66 pound ai per gallon and is available in 1-gallon jugs and 14-gallon or 110-gallon returnable drums.

Benefits of Asana® XL

- More control of more insects.
- Fast-acting.
- Easy to mix and apply.
- High-performance.
- Low-cost.

For more information

Contact your local DuPont crop protection retailer or DuPont representative to learn more about how you can protect your crop from western bean cutworm and other insects with Asana® XL.

And visit us on the Web at asanaxl.dupont.com.

Credits:

"Managing Western Bean Cutworm in Corn" by Steve Butzen, Herb Eichenseer and Paula Davis, Pioneer Hi-Bred International, Inc.
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* Asana® XL can be mixed with pesticide products labeled for use on crops on the Asana® XL label in accordance with the most restrictive of label limitations and precautions. No label dosage rates should be exceeded. Asana® XL cannot be mixed with any product containing a label prohibition against such mixing.

Asana® XL is a restricted-use pesticide.

This reference guide is not intended as a substitute for the product label for the products referenced herein. Product labels for the above products 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.

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