

Count On DuPont to Help You Protect Your Sunflower Crop

For years, sunflower producers have trusted DuPont™ Asana® XL insecticide to protect their crop.

Now DuPont offers a portfolio of products that includes two proven DuPont herbicides for weed control in sunflowers.

Control major insect pests with DuPont™ Asana® XL insecticide

DuPont™ Asana® XL insecticide combines advanced pyrethroid chemistry with a unique cottonseed oil (CSO) formulation to deliver extended control of major sunflower pests.

Benefits of Asana® XL

- Controls sunflower insects on contact and by ingestion of sprayed foliage
- Stops insects feeding almost immediately to help eliminate further crop damage
- Resists photodegradation better than most pyrethroids
- Resists washoff once the spray deposit has dried
- Offers a short re-entry interval — workers can return to fields 12 hours after application

Get broad-spectrum control of tough grasses with DuPont™ Assure® II herbicide

Assure® II controls a broad spectrum of annual and perennial grasses — including tough annual grasses like foxtail, wild oats, volunteer cereals, volunteer corn and barnyardgrass. Better grass control means improved crop establishment, less competition and cleaner fields for improved quality and yield.

Benefits of Assure® II

- Delivers consistent performance on a wide spectrum of grassy weeds for a faster, easier harvest
- Controls the most troublesome grasses that concern growers
- Is rainfast after one hour

Get maximum weed control with DuPont™ Express® herbicide and the DuPont™ ExpressSun® trait system¹

Now producers have a powerful new tool for weed control in sunflowers — sunflower hybrids that include the DuPont™ ExpressSun® trait with built-in tolerance to tribenuron methyl, the active ingredient in DuPont™ Express® herbicide (with TotalSol® soluble granules).



Benefits of Express® herbicide and the ExpressSun® trait system

- The ExpressSun® trait system is designed to maximize weed control in sunflower crops, thereby enhancing production and yield.
- The active ingredient in Express® herbicide (with TotalSol® soluble granules) has been used to control broadleaf weeds in wheat and barley for more than 14 years.
- TotalSol® soluble granules dissolve completely into ions that are readily absorbed by weeds, resulting in more consistent control in a wide variety of environmental conditions.
- High-yielding, herbicide-tolerant sunflowers with the ExpressSun™ trait were derived through traditional plant breeding methods and are non-GMO products.
- The system has demonstrated in-season control of Canada thistle, marshelder*, tumble pigweed* and many other annual broadleaf weeds in conventional, minimum-till or no-till sunflower production systems.

Count on DuPont to protect your sunflowers from insects, broadleaf weeds and grasses

Following is a partial list of the pests controlled by each product in the DuPont portfolio. Refer to the product's label for a complete list of insects or weeds controlled.

Product	Key sunflower insects or weeds controlled
DuPont™ Asana® XL insecticide	Cutworms, grasshoppers, sunflower stem weevil, sunflower maggot, sunflower seed weevil, sunflower moth, banded sunflower moth
DuPont™ Assure® II herbicide	Annual grasses: barnyardgrass, fall panicum, field sandbur, foxtails (giant, green [pigeongrass], yellow), seedling Johnsongrass, volunteer cereals (wheat, barley, oats, rye), volunteer corn, wild oat, wild-proso millet Perennial grasses: quackgrass, rhizome Johnsongrass
DuPont™ Express® herbicide (with TotalSol® soluble granules)	Bushy wallflower (treacle mustard), Canada thistle [†] , chamomile (mayweed, wild), common chickweed, smallseed falseflax, flixweed, lambsquarters (common, slimleaf), marshelder*, miner's lettuce, mustard (black, blue, wild), field pennycress, pineappleweed, pigweed (redroot, tumble*), common purslane, shepherd's-purse, tansymustard
[†] See Specific Weed Problems section of the Section 3 labeling for more information.	

When the weather doesn't cooperate, DuPont will

The DuPont™ Crop Protection Plus® Program for sunflowers

When you purchase and apply Assure® II, Express®¹ and/or Asana® XL to a qualifying sunflower crop, DuPont will provide product cost replacement credit at your local retailer if that crop is destroyed by drought, frost/freeze, flood, hail or fire.²

Growers in Colorado, Kansas, Nebraska, North Dakota, South Dakota and Wyoming are automatically eligible for Crop Protection Plus® when they purchase Assure® II herbicide, Express®¹ herbicide and/or Asana® XL insecticide for sunflower from a local DuPont Crop Protection retailer. The herbicide and/or insecticide must be purchased between December 1, 2007, and June 30, 2008, and applied at the labeled rates during the spring 2008 growing season.

There are no forms to fill out or paperwork to deal with unless a request for herbicide/insecticide cost replacement is filed. (See Terms and Conditions for details.)

For more information

Contact your local DuPont Crop Protection retailer or your local DuPont representative to learn how you can protect your sunflower crop with Asana® XL, Assure® II and Express®. And visit us on the Web at cropprotection.dupont.com.

* This Express® herbicide (with TotalSol® soluble granules) recommendation is permitted under FIFRA Section 2(ee) for use on sunflower hybrids with the DuPont™ ExpressSun® trait for improved control of marshelder, puncturevine and tumble pigweed. This recommendation has not been submitted to or approved by the EPA. The 2(ee) expiration date is 12/31/2010.

¹ Express® herbicide with TotalSol® soluble granules is for use ONLY on sunflower hybrids with the DuPont™ ExpressSun® trait.

² Restrictions apply. See Terms and Conditions.

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 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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