

## Sunflower and flax

# DuPont™ Assure® II

herbicide

*Now labeled for sunflower and flax*

Crop establishment is difficult when plants are competing with problem grasses. With a post-emergence broadcast treatment of DuPont™ Assure® II herbicide, you'll be able to control annual and perennial grasses.

### Broad-spectrum control of tough grasses

Assure® II controls a broad spectrum of annual and perennial grasses — including tough annual grasses like foxtail, wild oats, barnyardgrass, volunteer cereals and volunteer corn. It also delivers effective control of quackgrass and johnson-grass. Better grass control means improved crop establishment, less competition and cleaner fields for improved quality and yield. Its consistent performance on a wide spectrum of grassy weeds allows you to harvest more easily.

### Crop tolerance

Assure® II has demonstrated excellent crop safety to all labeled crops.

### Environmental conditions

Assure® II works best under conditions that are conducive to healthy, actively growing plants. If your crop was previously stressed or injured by other pesticide applications, it must be fully recovered and growing vigorously before Assure® II is applied.

Unacceptable control may result if Assure® II is applied to grasses

stressed by extreme heat or cold, widely fluctuating temperatures, excessive moisture or drought, mechanical or chemical injury, or hail damage.

### Ground application

Use a minimum of 10 gallons per acre in non-arid areas and a minimum of 15 gallons per acre in arid areas. Use standard flat-fan or hollow-cone nozzles at 25 to 60 psi.

### Aerial application

Use a minimum of 3 gallons of water per acre in non-arid areas and 5 gallons of water per acre in arid areas.

### Adjuvants

Always include a spray adjuvant with Assure® II:

- **Crop oil concentrates:** A petroleum-based crop oil concentrate (COC) — applied at 1 gallon per 100 gallons of spray solution — is recommended, and is the preferred adjuvant in arid areas.
- **Fertilizers:** An ammonium nitrogen fertilizer such as 28-0-0 (2 to 4 quarts per acre) or sprayable grade ammonium sulfate (21-0-0 at 2 to 4 pounds per acre) may be included with Assure® II and COC or nonionic surfactant (NIS).



### Rainfastness

Assure® II is rainfast after one hour.

### Application with broadleaf weed herbicides

For best results, apply Assure® II alone or in sequence with a broadleaf weed herbicide(s). Under arid or stressful environmental conditions, tank mixtures with other broadleaf weed herbicides may show a small reduction in control of some grass species. Activity of the postemergence broadleaf weed herbicide in the tank mixture is not affected.

### Crop rotation

Do not rotate to crops other than canola, cotton, crambe, dry beans, flax, lentils, mint (spearmint and peppermint), peas (dry and succulent peas), snap beans, soybeans, sugar beets or sunflowers within 120 days after application.

## Split applications with postemergence broadleaf weed herbicides

Applying DuPont™ Assure® II immediately prior to or following an application of a postemergence broadleaf weed herbicide may reduce control of some grasses. For best results, follow these recommendations when making split applications:

- Apply postemergence broadleaf weed herbicides at least 24 hours after applying Assure® II.
- Apply Assure® II when grass begins to develop new leaves (generally seven days after the postemergence broadleaf weed herbicide application) in fields treated with a postemergence broadleaf weed herbicide.

## Label instructions, restrictions and precautions

Most grass crops such as corn, wheat, barley and oats are highly sensitive to Assure® II. Therefore, all precautions should be taken to avoid off-target movement (spray drift) of Assure® II.

Refer to Assure® II label for **seasonal use limits and harvest intervals**.

## Grazing

Do not graze livestock in treated areas. In addition, do not feed forage, hay or straw from treated areas to livestock.

## Grasses controlled by DuPont™ Assure® II

| Annual grasses*                             | Spray timing by grass size | Rates of Assure® II (oz/A) applied alone |
|---|----------------------------|--|
| Barnyardgrass                               | 2"-6"                      | 8-10                                     |
| Corn, volunteer                             | 6"-30"                     | 5-8                                      |
| Foxtail, giant                              | 2"-8"                      | 5-8                                      |
| Foxtail: green (pigeongrass), yellow        | 2"-4"                      | 7-8                                      |
| Johnsongrass, seedling                      | 2"-8"                      | 5-8                                      |
| Millet, wild-proso                          | 2"-6"                      | 5-8                                      |
| Oat, wild                                   | 2"-6"                      | 7-8                                      |
| Panicum, fall                               | 2"-6"                      | 7-8                                      |
| Sandbur, field                              | 2"-6"                      | 7-8                                      |
| Volunteer cereals: wheat, barley, oats, rye | 2"-6"                      | 7-8                                      |
| Perennial grasses*                          |                            |  |
| Johnsongrass, rhizome                       | 10"-24"                    | 10-12                                    |
| Quackgrass                                  | 6"-10"                     | 10-12                                    |

\* For annual and perennial grasses, up to 12 ounces per acre may be applied, based on local recommendations. Under arid conditions, the higher use rate is recommended.

## Resistance

Grasses with known resistance to ACC'ase inhibitor herbicides (such as Hoelon, Poast, Select) may not be controlled by Assure® II.

## For more information

Contact your local DuPont crop protection retailer or DuPont representative to learn more about Assure II herbicide programs. And visit us on the Web at [assureii.dupont.com](http://assureii.dupont.com).

*Hoelon 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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