

352-632

7/1/2009

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

JUL - 1 2009

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Richard Ambrose  
E.I. du Pont de Nemours and Company  
DuPont Crop Protection  
Stine-Haskell Research Center  
P.O. Box 30  
Newark, DE 19716-0030

Subject: Label Amendment (CA restrictions, Supplemental labels for use in CA, 2007-4)  
DuPont Express Herbicide with TotalSol Soluble Granules  
EPA Reg. No. 352-632  
Application Dated June 26, 2009

Dear Mr. Ambrose:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable, provided you make the following changes:

1. Change the heading from "Inert Ingredients" to "Other Ingredients".
2. Remove the statement "Wash thoroughly with soap and water after handling." from the Hazards to Humans and Domestic Animals section.
3. Add the following statement to the User Safety Recommendations box:  
"Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing."  
"Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing."
4. Revise the Pesticide Disposal statement to read "Wastes resulting from the use of this product **must** be disposed of on site or at an approved waste disposal facility."
5. Revise the Container Handling instructions for Nonrefillable Plastic and Metal Containers in IBC by replacing the text in bold:

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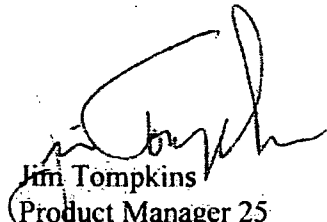
**“Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by the state and local authorities.”**

- 6. The following supplemental labels are acceptable:
  - a. Supplemental Labeling For Vegetation Burndown in California
  - b. Supplemental Labeling For Use on Sunflower Hybrids with the DuPont ExpressSun Trait for Tolerance to DuPont Express Herbicide (with TotalSol Soluble Granules) in the State of California
  - c. Supplemental Labeling for Pre-plant or At-planting Burndown in Cotton, Field Corn, Grain Sorghum, Rice, and Soybeans in the State of California

At your next label printing, or within eighteen months of the date of this letter, whichever comes first, you must incorporate these, as well as all previously approved supplemental labeling into the main product labeling.

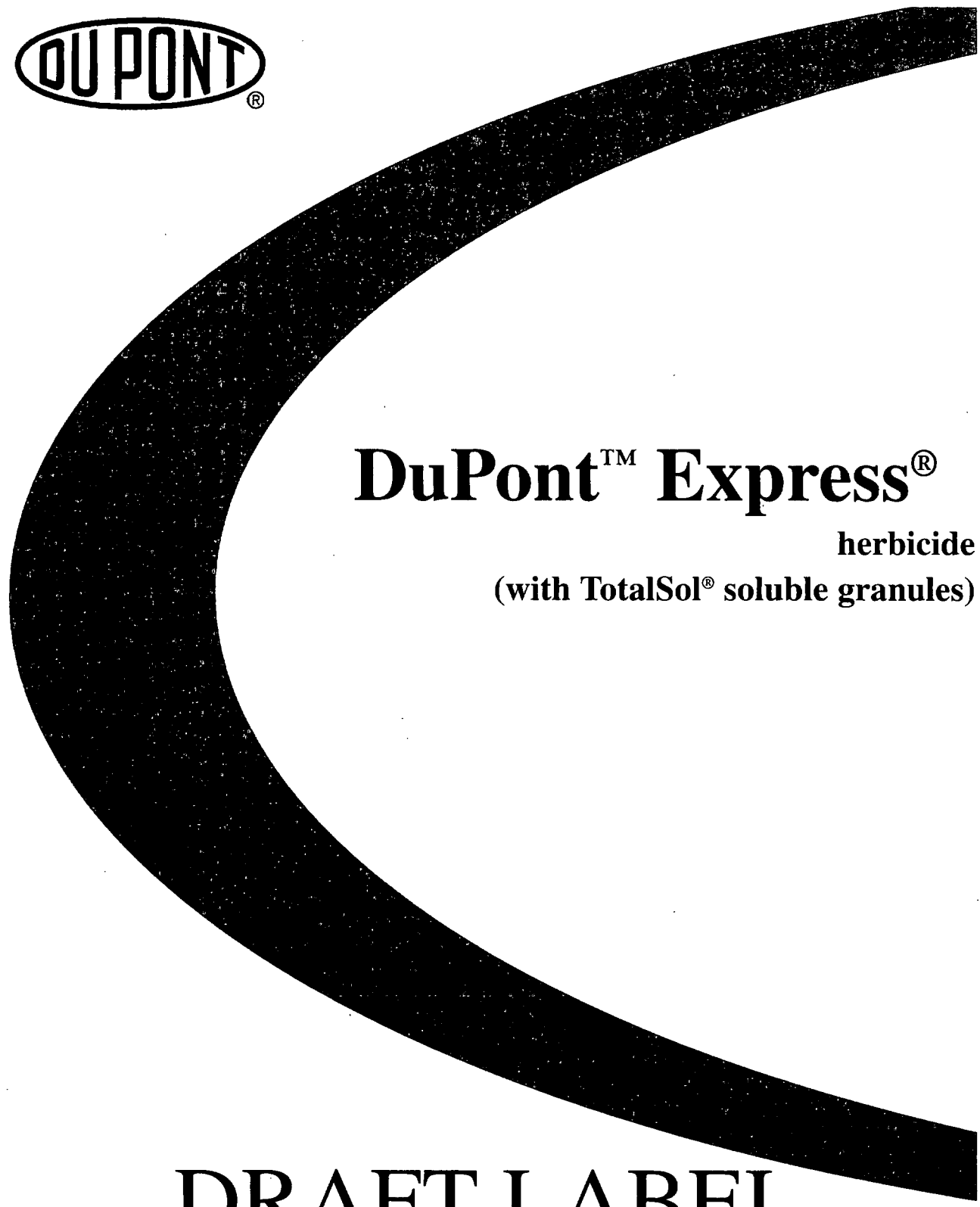
The amended label supercedes all previously accepted labels. A stamped copy of the label is enclosed for your records. Submit one copy of final printed labeling incorporating the above changes before you release this product for shipment.

Sincerely,

  
Jim Tompkins  
Product Manager 25  
Herbicide Branch  
Registration Division (7505P)

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H-



# DuPont™ Express®

herbicide

(with TotalSol® soluble granules)

## DRAFT LABEL

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# DUPONT™ EXPRESS® HERBICIDE (WITH TOTALSOL® SOLUBLE GRANULES) HIGHLIGHTS

- For selective postemergence broadleaf weed control in Wheat, Barley, Triticale, Post-Harvest in Cereals, Fallow and Pre-plant or Post-harvest Burndown.
- Apply at the rate of 1/4 to 1/2 ounce per acre (see Application Information).
- In wheat, barley and triticale apply after the crop is in the 2-leaf stage, but before the flag leaf is visible.
- In fallow apply when the majority of weeds have emerged and are actively growing.
- As a burndown treatment to wheat (including durum), barley or triticale to control emerged weeds prior to or shortly after planting (prior to emergence). Make applications when the majority of weeds have emerged and are actively growing.
- As a Post-Harvest burndown treatment to crop stubble, apply when the majority of weeds have emerged and are actively growing.
- May be applied by ground or by air.
- Use in tank mixtures with other registered herbicides for broader spectrum weed control (see Tank Mixtures).
- Can rotate to any crop 45 - 60 days after last application.
- Consult label text for complete instructions. Always read and follow label Directions For Use.

# TABLE OF CONTENTS

PRECAUTIONARY STATEMENTS ..... 1

DIRECTIONS FOR USE ..... 2

GENERAL INFORMATION ..... 2

    Environmental Conditions and Biological Activity ..... 2

    Use Rate ..... 2

    Application Timing ..... 3

    Weeds Controlled ..... 3

    Weeds Partially Controlled ..... 4

    Surfactants ..... 4

    Ground Application ..... 4

    Aerial Application ..... 4

    Product Measurement ..... 4

TANK MIXTURES ..... 4

SPECIFIC WEED PROBLEMS ..... 6

CROP ROTATION ..... 7

GRAZING ..... 7

MIXING INSTRUCTIONS ..... 7

SPRAY EQUIPMENT ..... 7

SPRAYER CLEANUP ..... 7

    At the End of the Day ..... 7

    After Spraying EXPRESS® herbicide (with TotalSol® soluble granules) and before Spraying Crops Other Than Wheat and Barley ..... 7

SPRAY DRIFT MANAGEMENT ..... 8

    Importance of Droplet Size ..... 8

    Controlling Droplet Size - General Techniques ..... 8

    Controlling Droplet Size - Aircraft ..... 8

    Boom Height ..... 8

    Wind ..... 8

    Temperature and Humidity ..... 8

    Temperature Inversions ..... 8

    Shielded Sprayers ..... 9

RESISTANCE ..... 9

INTEGRATED PEST MANAGEMENT ..... 9

PRECAUTIONS ..... 9

STORAGE AND DISPOSAL ..... 10

NOTICE OF WARRANTY ..... 11

Supplemental Labels:

    Vegetation Burndown (DR-340) ..... 12

    Weed Control in Grass Grown for Seed (DR-341) ..... 14

    Sprinkler Chemigation (DR-342) ..... 16

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# DuPont™ Express®

herbicide (with TotalSol®  
soluble granules)

### Soluble Granule

For Use on Wheat, Barley, Triticale, Fallow  
and as a Pre-plant or Post-harvest  
Burndown Herbicide

Active Ingredient	By Weight
Tribenuron methyl	
Methyl 2-[[[(4-methoxy-6-methyl -1,3,5-triazin-2-yl)methylamino]carbonyl] amino]sulfonyl]benzoate	50%
<b>Inert Ingredients</b>	50%
<b>TOTAL</b>	100%

EPA Reg. No. 352-632      EPA Est. No. \_\_\_\_\_

Nonrefillable Container

Net: \_\_\_\_\_

OR

Refillable Container

Net: \_\_\_\_\_

ACCEPTED  
with COMMENTS  
in EPA Letter Dated  
JUL - 1 2009

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

352-632

## KEEP OUT OF REACH OF CHILDREN

### CAUTION

#### FIRST AID

**IF ON SKIN:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

You may also contact 1-800-441-3637 for emergency medical treatment information.

#### PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with skin, eyes or clothing.

Wash thoroughly with soap and water after handling.

For medical emergencies involving this product, call toll free 1-800-441-3637.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some of the materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category A on an EPA chemical-resistance category selection chart.

#### Applicators and other handlers must wear:

Long-sleeved shirt and long pants.

Chemical resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride.

Shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

### USER SAFETY RECOMMENDATIONS

**USERS SHOULD:** Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

### ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

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## PESTICIDE HANDLING

- Calibrate sprayers only with clean water away from the well site.
- Make scheduled checks of spray equipment.
- Ensure that all operation employees accurately measure pesticides.
- Mix only enough product for the job at hand.
- Avoid overfilling of spray tank.
- Do not discharge excess material on the soil at a single spot in the field, grove, or mixing/loading station.
- Dilute and agitate excess solution and apply at labeled rates or uses.
- Avoid storage of pesticides near well sites.
- When triple-rinsing the pesticide container, be sure to add the rinsate to the spray mix.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls.
- Chemical resistant gloves made of any waterproof material.
- Shoes plus socks.

DuPont™ EXPRESS® herbicide (with TotalSol® soluble granules), referred to below as EXPRESS®, should be used only in accordance with instructions on this label or in separately published DuPont instructions.

DuPont will not be responsible for losses or damages resulting from the use of this product in any manner not specified by DuPont.

EXPRESS® may be used on wheat, barley, triticale, post-harvest burndown, fallow and as a pre-plant burndown herbicide in most states. Check with your state extension

service or Department of Agriculture before use, to be certain EXPRESS® is registered in your state.

## GENERAL INFORMATION

EXPRESS® is a water soluble granule that is used for selective postemergence weed control in wheat (including durum), barley, triticale; and for post-harvest burndown, fallow, and pre-plant burndown weed control. The best control is obtained when EXPRESS® is applied to young, actively growing weeds. The use rate will depend on weed spectrum and size of weed at time of application. The degree and duration of control may depend on the following:

- weed spectrum and infestation intensity
- weed size at application
- environmental conditions at and following treatment

EXPRESS® is noncorrosive, nonflammable, nonvolatile, and does not freeze. EXPRESS® should be mixed in water and applied as a uniform broadcast spray.

## BIOLOGICAL ACTIVITY AND ENVIRONMENTAL CONDITIONS

EXPRESS® is absorbed through the foliage of broadleaf weeds, rapidly inhibiting their growth. Leaves of susceptible plants appear chlorotic from 1 to 3 weeks after application and the growing point subsequently dies.

EXPRESS® provides the best control in vigorously growing crops that shade competitive weeds. Weed control in areas of thin crop stand or seeding skips may not be as satisfactory. However, a crop canopy that is too dense at application can intercept spray and reduce weed control.

EXPRESS® may injure crops that are stressed from adverse environmental conditions (such as extreme temperatures or moisture), abnormal soil conditions, or cultural practices. In addition, different varieties of the crop may have differing levels of sensitivity to treatment with EXPRESS® under otherwise normal conditions.

Treatment of sensitive crop varieties may injure crops. To reduce the potential of crop injury, tank mix EXPRESS® with 2,4-D (ester formulations perform best—see the Tank Mixtures section of this label) and apply after the crop is in the tillering stage of growth.

In warm, moist conditions, the expression of herbicide symptoms is accelerated in weeds; in cold, dry conditions, expression of herbicide symptoms is delayed. In addition, weeds hardened-off by drought stress are less susceptible to EXPRESS®.

Weed control may be reduced if rainfall or snowfall occurs soon after application. Several hours of dry weather are needed to allow EXPRESS® to be sufficiently absorbed by weed foliage.

## USE RATE

Apply 1/4 to 1/2 oz. EXPRESS® per acre to wheat (including durum), barley, triticale, fallow and as a pre-plant burndown herbicide. Two applications of EXPRESS® may be made per season provided the total amount applied does not exceed 1/2 oz. per acre.

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### WHEAT, BARLEY AND TRITICALE

Use 1/2 oz DuPont™ EXPRESS® per acre for heavy infestation of those weeds listed under the "WEEDS PARTIALLY CONTROLLED" section of this label when application timing and environmental conditions are marginal (refer to "BIOLOGICAL ACTIVITY AND ENVIRONMENTAL CONDITIONS" section of this label for best performance).

Use 1/4 to 3/8 oz EXPRESS® per acre for light infestation of the weeds listed under the "WEEDS CONTROLLED" section of this label. Conditions at application should be optimum for effective treatment of these weeds.

### FALLOW

Apply 1/4 to 1/2 oz EXPRESS® per acre to fallow fields. Two applications of EXPRESS® may be made per crop season provided the total amount applied does not exceed 1/2 oz per acre.

DuPont EXPRESS® should be applied in combination with other suitable registered fallow herbicides (See the "TANK MIXTURES" section of this label for additional information).

### PRE-PLANT BURNDOWN

Apply 1/4 to 1/2 oz EXPRESS® per acre as a burndown treatment prior to planting any crop, or shortly after planting wheat (including durum), barley or triticale (prior to emergence). Use the 1/2 ounce per acre rate when weed infestation is heavy and predominantly consists of those weeds listed under the "Weeds Partially Controlled" section of this label, or when application timing and environmental conditions are marginal. (See the "APPLICATION TIMING" section of this label for restriction on planting intervals).

Sequential treatments of EXPRESS® may also be made provided the total amount of EXPRESS® applied during one fallow/pre-plant cropland season does not exceed 1/2 ounce per acre.

EXPRESS® should be applied in combination with other suitable registered pre-plant burndown herbicides (See the "TANK MIXTURES" section of this label for additional information).

### POST HARVEST

Apply 1/4 to 1/2 oz EXPRESS® per acre to crop stubble after harvest. Use the 1/2 ounce per acre rate when weed infestation is heavy and predominantly consists of those weeds listed under the "WEEDS PARTIALLY CONTROLLED" section of this label, or when application timing and environmental conditions are marginal. (See the "APPLICATION TIMING" Section for restriction on planting intervals). EXPRESS® should be applied in combination with other suitable registered burndown herbicides (See the "TANK MIXTURES" section of this label for additional information).

Sequential treatments of EXPRESS® may also be made provided the total amount of EXPRESS® applied during one fallow/pre plant cropland season does not exceed 1/2 ounce per acre.

### APPLICATION TIMING

### WHEAT, BARLEY AND TRITICALE

Apply EXPRESS® after the crop is in the 2-leaf stage, but before the flag leaf is visible. Do not harvest within 45 days of the last application.

Since EXPRESS® has very little or no soil activity, it controls only those weeds that have germinated; therefore, apply EXPRESS® when all or most of the weeds have germinated. Annual broadleaf weeds should be past the cotyledon stage, actively growing, and less than 4" tall or wide. See the "SPECIFIC WEED PROBLEMS" section of this label for more information.

Rainfall immediately after treatment can wash EXPRESS® off of weed foliage, resulting in reduced weed control. Several hours of dry weather are needed to allow EXPRESS® to be sufficiently absorbed by weed foliage.

### FALLOW

EXPRESS® may be used as a fallow treatment when the majority of weeds have emerged and are actively growing.

### PRE-PLANT BURNDOWN

Apply EXPRESS® as a burndown treatment to wheat (including durum), barley or triticale fields to control emerged weeds prior to, or shortly after planting (prior to emergence). Make applications when the majority of weeds have emerged and are actively growing.

Apply EXPRESS® as a burndown treatment to sugarbeets, winter rape and canola fields at least 60 days prior to planting. Apply EXPRESS® as a burndown treatment to fields where any other crop is to be grown (such as corn, cotton, rice, grain sorghum or soybeans) at least 14 days prior to planting.

### POST HARVEST

EXPRESS® may be used as a burndown treatment to crop stubble when the majority of weeds have emerged and are actively growing.

### WEEDS CONTROLLED

EXPRESS® effectively controls the following weeds when used according to label directions:

- |                               |                                 |
|-------------------------------|---------------------------------|
| Black mustard                 | Field pennycress                |
| Blue/Purple mustard           | Flixweed                        |
| Bushy wallflower              | Hairy buttercup                 |
| /Treacle mustard              | Kochia**†                       |
| Canada thistle**              | London Rocket                   |
| Coast fiddleneck              | Mayweed chamomile/Stinking      |
| Common Chickweed              | chamomile/dog fennel            |
| Common Groundsel              | ( <i>Anthemis cotula L.</i> )** |
| Common Lambsquarters          | Miners lettuce                  |
| Common Purslane               | Pineappleweed                   |
| Corn, Gromwell**              | Prickly lettuce**†              |
| Corn spurry                   | Redroot pigweed                 |
| Cowcockle                     | Russian thistle**†              |
| Curly Dock**                  | Shepherd's-purse                |
| Dandelion***                  | Slimleaf lambsquarters          |
| Deadnettle***                 | Smallseed falseflax             |
| Early whitlowgrass            | Tansymustard                    |
| False chamomile/              | Tarweed fiddleneck              |
| Wild chamomile/Scentless      | Tumble/Jim Hill mustard**       |
| chamomile ( <i>Matricaria</i> | Wild mustard                    |
| <i>maritima L.</i> )          |                                 |

**WEEDS PARTIALLY CONTROLLED\***

DuPont™ EXPRESS® partially controls the following weeds when used according to label directions:

Annual sowthistle	Henbit
Common cocklebur	Pennsylvania smartweed
Common sunflower (volunteer)**	Prostrate knotweed
Common vetch**	Redmaids
Hairy nightshade	Wild buckwheat
Hairy vetch**	Wild garlic
	Wild radish**

\* Partially controlled weeds exhibit a visual reduction in numbers as well as a significant loss of vigor. For better results, use 3/8 to 1/2 oz EXPRESS® per acre and include a tankmix partner such as 2,4-D, MCP, bromoxynil (such as "Buctril", "Bison", "Bronate" or "Bronate Advanced"), or dicamba (such as "Banvel"/"Clarity"), refer to the "TANK MIXTURES" section of this label.

\*\* See the Specific Weed Problems section of this label for more information.

\*\*\*2,4-D LVE addition required.

† Naturally occurring resistant biotypes of kochia, prickly lettuce and Russian thistle are known to occur. See the "TANK MIXTURES" and "SPECIFIC WEED PROBLEMS" sections of this label for additional details.

**SPRAY ADJUVANTS**

Include a spray adjuvant with applications of EXPRESS®. In addition, an ammonium nitrogen fertilizer may be used.

Consult your Ag dealer or applicator, local DuPont fact sheets and technical bulletins prior to using an adjuvant system. If another herbicide is tank mixed with EXPRESS®, select adjuvants authorized for use with both products. Products must contain only EPA-exempt ingredients (40 CFR 1001).

**Nonionic Surfactant (NIS)**

- Apply 0.06 to 0.50% volume/volume (1/2 pt to 4 pt per 100 gal of spray solution).
- Surfactant products must contain at least 60% nonionic surfactant with a hydrophilic/lipophilic balance (HLB) greater than 12. – See the Tank Mixtures section of this label for additional information..

**Crop Oil Concentrate (COC) - Petroleum or Modified Seed Oil (MSO)**

- Apply at 1% v/v (1 gal per 100 gal spray solution) or 2% under arid conditions. MSO adjuvants may be used at 0.5% v/v if specified on local DuPont product literature or service policies.
- Oil adjuvants must contain at least 80% high quality, petroleum (mineral) or modified vegetable seed oil with at least 15% surfactant emulsifiers.

**Special Adjuvant Types**

- Combination adjuvant products may be used at doses that provide the required amount of NIS, COC, MSO and/or ammonium nitrogen fertilizer. Consult product literature for use rates and restrictions.
- In addition to the adjuvants specified above, other adjuvant types may be used if they provide the same functionality and have been evaluated and approved by DuPont product management. Consult separate DuPont technical bulletins for detailed information before using adjuvant types not specified on this label.

**Ammonium Nitrogen Fertilizer**

- Use 2 qt/acre of a high-quality urea ammonium nitrate (UAN), such as 28%N or 32%N, or 2 lb/acre of a spray-grade ammonium sulfate (AMS). Use 4 qt/acre UAN or 4 lb/acre AMS under arid conditions.

**GROUND APPLICATION**

~~For optimum spray distribution and thorough coverage use flat-fan or low-volume flood nozzles.~~

- For best performance, select nozzles and pressure that deliver MEDIUM spray droplets.
- Nozzles that deliver COARSE spray droplets may be used to reduce drift, provided spray volume is increased to maintain coverage on small weeds. For optimal product performance and minimal spray drift, adjust the spray boom to the lowest possible spray height listed in manufacturers' specifications.
- Overlaps or starting, stopping, slowing, and turning while spraying may result in crop injury.
- For flat-fan nozzles, use a spray volume of at least 5 gal per acre (GPA).
- For flood nozzles on 30" spacing, use flood nozzles no larger than TK10 (or the equivalent), a pressure of at least 30 psi and a spray volume of at least 10 GPA only. For 40" nozzle spacing, use at least 13 GPA; for 60" spacing use at least 20 GPA. It is essential to overlap the nozzles 100% for all spacings.
- "Raindrop RA" nozzles are not recommended for EXPRESS® applications, as weed control performance may be reduced.
- Use screens that are 50-mesh or larger.

For application in California refer to the "CALIFORNIA APPLICATION REQUIREMENTS FOR PROTECTION OF SENSITIVE CROPS" section of this label for specific ground application requirements.

**CHEMIGATION**

Refer to specific supplemental labeling for use directions for EXPRESS® herbicide in chemigation systems. Do not apply this product through any irrigation system unless the supplemental labeling on chemigation is followed.

**AERIAL APPLICATION**

~~Use nozzle types and arrangements that provide optimum spray distribution and maximum coverage at 2 to 5 GPA.~~

Use at least 2 GPA. In Idaho, Oregon and Utah use at least 3 GPA.

Do not apply EXPRESS® by air in the state of New York.

See the **Spray Drift Management** section of this label.

For application in California refer to the "CALIFORNIA APPLICATION REQUIREMENTS FOR PROTECTION OF SENSITIVE CROPS" section of this label for specific aerial application requirements.

**PRODUCT MEASUREMENT**

EXPRESS® can be measured using the EXPRESS® volumetric measuring cylinder provided by DuPont. The degree of accuracy of this cylinder varies by ± 7.5%. For more precise measurement, use scales calibrated in ounces.



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## TANK MIXTURES

DuPont™ EXPRESS® may be tank mixed with other suitable registered herbicides to control weeds listed as partially controlled, weeds resistant to EXPRESS® or weeds not listed under the "WEEDS CONTROLLED" sections of this label.

Read and follow all manufacturers' label instructions for any companion herbicides, fungicides, and/or insecticides. If those instructions conflict with this label, do not tank mix that product with EXPRESS®. Read and follow all label instructions on timing, precautions, and warnings for any companion products before using these tank mixtures. Follow the most restrictive labeling.

### **Wheat, Barley and Triticale**

#### **With 2,4-D (amine or ester) or MCP (amine or ester)**

EXPRESS® may be tank mixed with 2,4-D and MCP (preferably ester formulations) herbicides for use on wheat, barley and triticale. For best results, add 2,4-D or MCP herbicides to the tank at 1/8 to 3/8 lb active ingredient per acre. In tank mixes containing 1/8 lb active ingredient 2,4-D or MCP per acre, add 1 to 2 pt of nonionic surfactant; in tank mixes containing 1/4 to 3/8 lb active ingredient 2,4-D or MCP per acre, add 1 pt of nonionic surfactant.

Higher rates of 2,4-D or MCP may be used, but do not exceed the highest rate allowed by those respective labels. When using rates of 3/8 lb ai per acre or higher, use of additional nonionic surfactant may not be needed, unless specified otherwise in the 2,4-D or MCP label, or local guidance.

#### **With 2,4-D or MCP (amine or ester) and Dicamba (such as "Banvel"/"Clarity")**

EXPRESS® may be applied in a 3-way tank mix with formulations of dicamba (such as "Banvel"/"Clarity") and 2,4-D or MCP.

Make applications at 1/4 - 1/2 oz of EXPRESS® + 1-1.5 oz active dicamba (such as "Banvel"/"Clarity") + 1/4 to 3/8 lb active ingredient of 2,4-D or MCP (ester or amine) per acre. Use higher rates when weed infestation is heavy. Add 1-2 pt of nonionic surfactant to the 3 way mixture, where necessary, as deemed by local guidance. Use of additional nonionic surfactant may not be needed with the higher phenoxy rates and ester phenoxy formulations. Consult the specific 2,4-D or MCP and dicamba labels, or local guidance for more information.

Apply this 3-way combination to winter wheat after the crop is tillering and prior to jointing (first node). In Spring Wheat (including Durum), apply after the crop is tillering and before it exceeds the 5-leaf stage.

Do not apply this 3-way mixture at high rates more than once a year, or more than twice per year at the low rates.

#### **With Bromoxynil containing products (such as "Buctril", "Bison", "Bronate" or "Bronate Advanced")**

EXPRESS® may be tank mixed with bromoxynil containing herbicides registered for use on wheat, barley or triticale. For best results, add bromoxynil containing herbicides to the tank at 3 to 6 oz active ingredient per acre (such as "Bronate" or "Bison" at 3/4 - 1 1/2 pt per acre). Tank mixes of EXPRESS® plus bromoxynil may result in reduced control of Canada thistle.

#### **With "Starane", "Starane + Salvo", "Starane + Sword"**

For improved control of Kochia (2-4" tall) EXPRESS® may be tank mixed with 1/3 to 2/3 pints per acre of Starane, 2/3 to 1 1/3 pints per acre of Starane + Salvo, 3/4 to 1 1/2 pints per acre of Starane + Sword. Refer to this label, and the Starane, Starane + Salvo, Starane + Sword labels, for information regarding use restrictions, labeled crops, rotational cropping intervals, sprayer cleanup, use precautions and other information. 2,4-D and MCP herbicides (preferably ester formulations) may be tank mixed with EXPRESS® plus Starane. Consult local guidance and the Tank Mixtures section of this label for additional information.

#### **With "Maverick"**

EXPRESS® can be tank mixed with "Maverick" herbicide for improved control of weeds in wheat.

#### **With "Aim"**

EXPRESS® can be tank mixed with "Aim" herbicide for improved control of weeds in wheat and barley.

#### **With "Stinger" or "Curtail" or "Curtail M"**

EXPRESS® can be tank mixed with "Stinger" or "Curtail" or "Curtail M" herbicide for improved control of weeds in wheat and barley.

#### **With "Assert" Herbicide or "Avenge" Herbicide**

EXPRESS® can be tank mixed with "Avenge" or "Assert". When tank mixing EXPRESS® with "Assert", always include another broadleaf weed herbicide with a different mode of action (for example 2,4-D ester, MCP ester, or bromoxynil (such as "Buctril", "Bison", "Bronate" or "Bronate Advanced"). Applications of EXPRESS® plus "Assert" may cause temporary crop discoloration, stunting, or injury when heavy rainfall occurs shortly after application.

#### **With "Puma"**

EXPRESS® can be tank mixed with "Puma" herbicide for improved control of weeds in wheat and barley.

#### **With "Discover"**

EXPRESS® can be tank mixed with "Discover" herbicide for improved control of weeds in spring wheat.

#### **With "Everest"**

EXPRESS® can be tank mixed with "Everest" herbicide for improved control of weeds in spring wheat.

#### **With Other Herbicides**

- Tank mixes of EXPRESS® plus metribuzin may result in reduced control of wild garlic.
- Tank mixes of EXPRESS® plus dicamba (such as "Banvel"/"Clarity") may result in reduced control of some broadleaf weeds.
- Tank mixes of EXPRESS® with "Hoelon 3EC", may result in reduced grass control.

#### **With Fungicides**

EXPRESS® may be tank mixed or used sequentially with fungicides registered for use on cereal crops.

#### **With Insecticides**

EXPRESS® may be tank mixed or used sequentially with insecticides registered for use on cereal crops. However, under certain conditions (drought stress, or if the crop is in the 2-4 leaf stage), tank mixes or sequential applications of

DuPont™ EXPRESS® with organophosphate insecticides (such as Lorsban) may produce temporary crop yellowing or, in severe cases, crop injury. The potential for crop injury is greatest when wide fluctuations in day/night temperatures occur just prior to or soon after application.

Test these mixtures in a small area before treating large areas.

Do not apply EXPRESS® within 60 days of crop emergence where an organophosphate insecticide has been applied as an in-furrow treatment because crop injury may result.

Do not use EXPRESS® plus Malathion because crop injury may result.

**With Liquid Nitrogen Solution Fertilizer**

Liquid nitrogen fertilizer solutions may be used as a carrier in place of water. Run a tank mix compatibility test before mixing EXPRESS® in fertilizer solution. EXPRESS® must first be slurried with water and then added to liquid nitrogen solutions (e.g., 28-0-0, 32-0-0). Ensure that the agitator is running while the EXPRESS® is added. Use of this mixture may result in temporary crop yellowing and stunting.

If using low rates of liquid nitrogen fertilizer in the spray solution (less than 50% of the spray solution volume), the addition of surfactant is necessary. Add surfactant at 1/2 pt - 1 qt per 100 gal of spray solution (0.06 -0.25% v/v) based on local guidance.

When using high rates of liquid nitrogen fertilizer solution in the spray solution, adding surfactant increases the risk of crop injury. If 2,4-D or MCP is included with EXPRESS® and fertilizer mixture, ester formulations tend to be more compatible (see manufacturer's label). Additional surfactant may not be needed when using EXPRESS® in tank mix with 2,4-D ester or MCP ester and liquid nitrogen fertilizer solutions. Consult your agricultural dealer, consultant, field advisor, or DuPont representative for guidance before adding an adjuvant to these tank mixtures.

Note: In certain areas east of the Mississippi river unacceptable crop response may occur with use of straight or dilute nitrogen fertilizer carrier solutions where cold temperatures or widely fluctuating day/night temperatures exist. In these areas consult your agricultural dealer, consultant, field advisor, or DuPont representative for guidance before using nitrogen fertilizer carrier solutions.

Do not use low rates of liquid nitrogen fertilizer solution as a substitute for a surfactant.

Liquid nitrogen fertilizer solutions that contain sulfur can increase crop response.

Do not use with liquid fertilizer solutions with a pH less than 3.0.

**TANK MIXTURES IN FALLOW**

EXPRESS® may be used as a fallow treatment, and should be tank mixed with other herbicides that are registered for use in fallow, including glyphosate (such as Roundup), "Landmaster" II, "Fallow Master", "RT Master", glyphosate plus 2,4-D (ester formulations work best), glyphosate plus dicamba (such as "Banvel"/ "Clarity"), 2,4-D (ester formulations work best), or dicamba (such as "Banvel"/ "Clarity") alone.

**TANK MIXTURES IN PRE-PLANT BURNDOWN APPLICATIONS**

EXPRESS® may be used as a pre-plant burndown treatment alone or tank mixed with other herbicides that are registered for use as a pre-plant burndown product, including glyphosate (such as Roundup), "Landmaster" II, "Fallow Master", "RT Master", glyphosate plus dicamba (such as "Banvel"/ "Clarity") or dicamba (such as "Banvel"/ "Clarity") alone.

**TANK MIXTURES IN POST HARVEST APPLICATIONS**

EXPRESS® may be used as a post harvest treatment to crop stubble, and should be tank mixed with other herbicides that are registered for use in fallow.

**SPECIFIC WEED PROBLEMS**

**Canada thistle:** For best results, apply 1/2 oz per acre when all thistles are 4" to 8" with 2" to 6" of new growth. Make the application in the spring.

**Corn Gromwell :** For best results, apply 1/2 oz of EXPRESS® per acre in combination with 2,4-D or MCP (refer to the Tank Mixtures section of this label).

**Curly Dock:** For best results, apply 3/8 to 1/2 oz of EXPRESS® per acre in combination with 2,4-D or MCP (refer to the Tank Mixtures section of this label).

**Kochia:** Naturally occurring biotypes resistant to EXPRESS® are known to occur. For best results, use EXPRESS® in a tank mix with Starane, Starane + Salvo, Starane + Sword, dicamba (such as "Banvel"/ "Clarity") and 2,4-D or MCP (ester or amine), or bromoxynil containing products (such as "Buctril", "Bison", "Bronate" or "Bronate Advanced").

EXPRESS® should be applied in the spring when kochia are less than 2" tall and are actively growing (refer to the Tank Mixtures section of this label for additional details on rates and restrictions).

**Mayweed chamomile / Stinking Chamomile / dog fennel:** For best results, apply 3/8 to 1/2 oz of EXPRESS® per acre.

**Russian thistle, Prickly lettuce:** Naturally occurring biotypes of these weeds that are resistant to EXPRESS® are known to occur. For best results, use EXPRESS® in a tank mix with dicamba (such as "Banvel"/ "Clarity") and 2,4-D or MCP (ester or amine), or bromoxynil containing products (such as "Buctril", "Bison", "Bronate" or "Bronate Advanced").

EXPRESS® should be applied in the spring when Russian thistle, and prickly lettuce are less than 2" tall or 2" across and are actively growing (refer to the Tank Mixtures section of this label for additional details on rates and restrictions).

**Tumble/Jim Hill mustard:** For best results, apply 1/2 oz of EXPRESS® per acre in combination with 2,4-D or MCP (refer to the Tank Mixtures section of this label).

**Vetch (common and hairy):** For best results, apply 3/8 to 1/2 oz of EXPRESS® per acre when vetch is less than 6" in length. For severe infestations of vetch, or when vetch is greater than 6" in length, apply EXPRESS® in combination with 2,4-D or MCP (refer to the Tank Mixtures section of this label).

**Wild radish:** For best results, apply 1/4 - 1/2 oz EXPRESS® per acre plus 1/4 - 3/8 lb active ingredient per acre MCP plus 0.25% v/v nonionic surfactant (1 qt per 100 gal of spray solution) to wild radish rosettes less than 6" diameter. Make the application either in the fall or spring. Applications made

later than 30 days after weed emergence will result in partial control. Fall applications should be made before plants harden-off.

**SU/IMI Tolerant Volunteer Sunflowers:** Varieties resistant to SU and IMI products (like DuPont™ EXPRESS®, "Beyond", "Pursuit", "Raptor") are under development. For best results, use EXPRESS® in a tank mix with Starane, Starane + Salvo, Starane + Sword, dicamba (such as "Banvel"/ "Clarity") and 2,4-D or MCP (ester or amine), or bromoxynil containing products (such as "Buctril", "Bison", "Bronate" or "Bronate Advanced").

### CROP ROTATION

Wheat, Barley and Triticale may be replanted anytime after the application of EXPRESS®. Sugarbeets, Winter Rape, and Canola can be planted at 60 days after the application of EXPRESS®. Allow at least 14 days between application and planting of cotton, corn, soybeans or grain sorghum. Any other crop may be planted 45 days after the application of EXPRESS®.

### GRAZING

Allow at least 7 days between application and grazing of treated forage. In addition, allow at least 7 days between application and feeding of forage from treated areas to livestock. Allow at least 30 days between application and feeding of hay from treated areas to livestock. Harvested straw may be used for bedding and/or feed. Allow at least 45 days between application and harvesting of grain.

### MIXING INSTRUCTIONS

1. Fill the tank 1/4 to 1/3 full of water.
2. While agitating, add the required amount of EXPRESS®.
3. Continue agitation until the EXPRESS® is fully dispersed, at least 5 minutes.
4. Once the EXPRESS® is fully dispersed, maintain agitation and continue filling tank with water. EXPRESS® should be thoroughly mixed with water before adding any other material.
5. As the tank is filling, add tank mix partners (if desired) then add the required volume of spray adjuvant. Always add spray adjuvant last. Antifoaming agents may be used. Do not use with spray additives that alter the pH of the spray solution below pH 6.0 as rapid product degradation can occur. Spray solutions of pH 7.0 and higher allow for optimum stability of EXPRESS®.
6. If the mixture is not continuously agitated, settling will occur. If settling occurs, thoroughly re-agitate before using.
7. Apply EXPRESS® spray mixture within 24 hours of mixing to avoid product degradation.
8. If EXPRESS® and a tank mix partner are to be applied in multiple loads, pre-slurry the EXPRESS® in clean water prior to adding to the tank. This will prevent the tank mix partner from interfering with the dissolution of the EXPRESS®.

### SPRAY EQUIPMENT

For specific application equipment, refer to the manufacturer's instructions for additional information on GPA, pressure, speed, nozzle types and arrangements, nozzle heights above the target canopy, etc.

Be sure to calibrate air or ground equipment properly before application. Select a spray volume and delivery system that

will ensure thorough coverage and a uniform spray pattern with minimum drift. Use higher spray volumes to obtain better coverage when crop canopy is dense. Avoid swath overlapping, and shut off spray booms while starting, turning, slowing, or stopping, to avoid injury to the crop.

Do not make applications using equipment and/or spray volumes or during weather conditions that might cause spray to drift onto nontarget sites. For additional information on spray drift refer to Spray Drift Management section of label.

Continuous agitation is required to keep EXPRESS® in suspension.

### SPRAYER CLEANUP

The spray equipment must be cleaned before EXPRESS® is sprayed. Follow the cleanup procedures specified on the labels of the previously applied products. If no directions are provided, follow the six steps outlined in the After Spraying EXPRESS® section of this label.

#### AT THE END OF THE DAY

When multiple loads of EXPRESS® herbicide are applied, it is recommended that at the end of each day of spraying the interior of the tank be rinsed with fresh water and then partially filled, and the boom and hoses flushed. This will prevent the buildup of dried pesticide deposits which can accumulate in the application equipment.

#### AFTER SPRAYING EXPRESS® AND BEFORE SPRAYING CROPS OTHER THAN WHEAT, BARLEY AND TRITICALE

To avoid subsequent injury to desirable crops, thoroughly clean all mixing and spray equipment immediately following applications of EXPRESS® as follows:

1. Empty the tank and drain the sump completely.
2. Spray the tank walls with clean water using a minimum volume of 10% of the tank volume. Circulate the water through the lines, including all by-pass lines, for at least two minutes. Flush the boom well and empty the sprayer. Completely drain the sump.
3. Repeat step 2.
4. Remove the nozzles and screens and clean separately in a bucket containing water. The rinsate solution may be applied back to the crop(s) specified on this label. Do not exceed the maximum-labeled use rate. If cleaners are used, consult the cleaner label for rinsate disposal instructions. If no instructions are given, dispose of the rinsate on site or at an approved waste disposal facility.

#### Notes:

1. Always start with a clean spray tank.
2. Steam-cleaning aerial spray tanks is recommended to facilitate the removal of any caked deposits.
3. When EXPRESS® is tank mixed with other pesticides, all cleanout procedures for each product should be examined and the most rigorous procedure should be followed.
4. Follow any pre-cleanout guidelines recommended on other product labels.

## SPRAY DRIFT MANAGEMENT

The interaction of many equipment and weather-related factors determines the potential for spray drift. The applicator is responsible for considering all these factors when making application decisions.

AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR.

### IMPORTANCE OF DROPLET SIZE

The most effective way to reduce drift potential is to apply large droplets (>150 - 200 microns). The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. The presence of sensitive species nearby, the environmental conditions, and pest pressure may affect how an applicator balances drift control and coverage. **APPLYING LARGER DROPLETS REDUCES DRIFT POTENTIAL, BUT WILL NOT PREVENT DRIFT IF APPLICATIONS ARE MADE IMPROPERLY OR UNDER UNFAVORABLE ENVIRONMENTAL CONDITIONS!** See **Wind, Temperature and Humidity, and Surface Temperature Inversions** sections of this label.

### Controlling Droplet Size - General Techniques

- **Volume** - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- **Pressure** - Use the lower spray pressures recommended for the nozzle. Higher pressure reduces droplet size and does not improve canopy penetration. **WHEN HIGHER FLOW RATES ARE NEEDED, USE A HIGHER-CAPACITY NOZZLE INSTEAD OF INCREASING PRESSURE.**
- **Nozzle Type** - Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles.

### Controlling Droplet Size - Aircraft

- **Number of Nozzles** - Use the minimum number of nozzles with the highest flow rate that provide uniform coverage.
- **Nozzle Orientation** - Orienting nozzles so that the spray is emitted backwards, parallel to the airstream will produce larger droplets than other orientations.
- **Nozzle Type** - Solid stream nozzles (such as disc and core with swirl plate removed) oriented straight back produce larger droplets than other nozzle types.

### BOOM LENGTH AND HEIGHT

- **Boom Length (aircraft)** - The boom length should not exceed 3/4 of the wing length, using shorter booms decreases drift potential. For helicopters use a boom length and position that prevents droplets from entering the rotor vortices.
- **Boom Height (aircraft)** - Application more than 10 ft above the canopy increases the potential for spray drift.
- **Boom Height (ground)** Setting the boom at the lowest height which provides uniform coverage reduces the exposure of droplets to evaporation and wind. The boom should remain level with the crop and have minimal bounce.

## WIND

Drift potential increases at wind speeds of less than 3 mph (due to variable direction and inversion potential) or more than 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given wind speed. **AVOID APPLICATIONS DURING GUSTY OR WINDLESS CONDITIONS.**

**Note:** Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they effect spray drift.

### TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, set up equipment to produce larger droplets to reduce effects of evaporation.

### SURFACE TEMPERATURE INVERSIONS

Drift potential is high during a surface temperature inversion. Surface inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Surface inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates a surface inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

### SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce the effects of wind. However, it is the responsibility of the applicator to verify that the shields are preventing drift and not interfering with uniform deposition of the product.

### CALIFORNIA APPLICATION REQUIREMENTS FOR PROTECTION OF SENSITIVE CROPS

The following drift management requirements must be followed to minimize the potential for exposure of sensitive crops.

Determine the prevailing wind speed and direction before application.

#### Spray quality

Apply with nozzles that give a coarse droplet size spectrum (volume median diameter (VMD) of 350-400 microns) and minimize droplets that are less than 200 microns.

#### For aerial application:

- **Nozzle orientation:** Solid stream nozzles oriented straight back produce the largest droplet size spectrum and the lowest drift.
- **Spray volume:** Apply a spray volume between 5 and 10 GPA
- **Wind speed:** Avoid spraying when sustained wind speeds approach or exceed 10 mph. Avoid applications in gusty wind conditions.
- **Aircraft equipment:** Boom length should be 75 percent or less of wing span. For helicopters, use a boom length and position that prevents droplets from entering the rotor vortices.

- **Application height:** Application at more than 10 ft. above the canopy increases the potential for spray drift. Applications must be made at the lowest application height that provides uniform coverage and should be consistent with safe operation of the aircraft.

**For ground application,**

- **Wind Speed:** Avoid spraying when sustained wind speeds approach or exceed 10 mph. Avoid applications in gusty wind conditions.
- **Boom height – ground sprayers:** Apply with a boom height no greater than 4 feet above the top of the largest plants. The buffer zone may be reduced when application is made with a low boom (20 inches) above the top of the crop canopy. The boom should remain level with the crop and have minimal bounce.

**Buffer Zones**

The following buffer zones between the treated area and sensitive crops are required when these sensitive crops are downwind of the application site.

Sensitive crop	Ground application low boom	Ground high boom	Aerial application
Tomato, cucumber, sugarbeet	350 ft	500 ft	1300 ft
Other broadleaf crops	50 ft	50 ft	500 ft
Tree and vine crops	50 ft	50 ft	500 ft
Dormant tree and vine	No buffer required		

Tree and vine crops do not require buffer zones when crops are dormant.

**RESISTANCE**

When herbicides that affect the same biological site of action are used repeatedly over several years to control the same weed species in the same field, naturally-occurring resistant biotypes may survive a correctly applied herbicide treatment, propagate, and become dominant in that field. Adequate control of these resistant weed biotypes cannot be expected. If weed control is unsatisfactory, it may be necessary to retreat the problem area using a product affecting a different site of action.

To better manage herbicide resistance through delaying the proliferation and possible dominance of herbicide resistant weed biotypes, it may be necessary to change cultural practices within and between crop seasons such as using a combination of tillage, retreatment, tank-mix partners and/or sequential herbicide applications that have a different site of action. Weed escapes that are allowed to go to seed will promote the spread of resistant biotypes. If applicable, see the Weeds Controlled section of this label for additional information on managing herbicide resistant weed biotypes.

It is advisable to keep accurate records of pesticides applied to individual fields to help obtain information on the spread and dispersal of resistant biotypes. Consult your agricultural dealer, consultant, applicator, and/or appropriate state agricultural extension service representative for specific alternative cultural practices or herbicide recommendations available in your area.

**INTEGRATED PEST MANAGEMENT**

This product may be used as part of an Integrated Pest Management (IPM) program that can include biological, cultural, and genetic practices aimed at preventing economic pest damage. IPM principles and practices include field scouting or other detection methods, correct target pest identification, population monitoring, and treating when target pest populations reach locally determined action thresholds. Consult your state cooperative extension service, professional consultants or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop systems in your area

**PRECAUTIONS**

- Varieties of wheat (including durum), barley and triticale may differ in their response to various herbicides. DuPont recommends that you first consult your state experiment station, university, or extension agent as to crop sensitivity to any herbicide. If no information is available, limit the initial use to a small area.
- Under certain conditions such as heavy rainfall, prolonged cold weather, or wide fluctuations in day/night temperatures prior to or soon after DuPont™ EXPRESS® application, temporary discoloration and/or crop injury may occur. To reduce the potential of crop injury, tank mix EXPRESS® with 2,4-D (ester formulations perform best - see the "TANK MIXTURES" section of this label) and apply after the crop is in the tillering stage of growth.
- EXPRESS® should not be applied to wheat, barley or triticale that is stressed by severe weather conditions, drought, low fertility, water-saturated soil, disease, or insect damage, as crop injury may result. Risk of injury is greatest when crop is in the 2 to 5- leaf stage. Severe winter stress, drought, disease, or insect damage following application also may result in crop injury.
- Do not apply to wheat, barley or triticale underseeded with another crop.
- Dry, dusty field conditions may result in reduced control in wheel track areas.
- Injury to or loss of desirable trees or vegetation may result from failure to observe the following:
  - Do not apply, drain or flush equipment on or near desirable trees or other plants or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots.
  - Do not use on lawns, walks, driveways, tennis courts, or similar areas. Prevent drift of spray to desirable plants.
- Injury to or loss of adjacent sensitive crops and vegetation may result from failure to observe the following:
  - Take all necessary precautions to avoid all direct or indirect contact (such as spray drift) with non-target plants or areas.
  - Carefully observe all sprayer cleanup instructions both prior to and after using this product, as spray tank residue may damage crops other than wheat or barley.

**PESTICIDE STORAGE AND DISPOSAL**

**Pesticide Storage:** Store the product in original container only. Do not contaminate water, other pesticides, fertilizer, food, or feed in storage. Store in a cool, dry place.

**Product Disposal:** Do not contaminate water, food, or feed by disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER HANDLING:**

**Refer to the Net Contents section of this product's labeling for the applicable "Refillable Container" or "Nonrefillable Container" designation.**

**Nonrefillable Plastic and Metal Containers (Capacity Equal to or Less Than 50 Pounds):**

Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**Nonrefillable Plastic and Metal Containers (Capacity Greater Than 50 Pounds):** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**Nonrefillable Plastic and Metal Containers, e.g., Intermediate Bulk Containers [IBC] (Size or Shape Too Large to be Tipped, Rolled or Turned Upside Down):**

Nonrefillable container. Do not reuse or refill this container. Pressure rinse as follows: Empty the remaining product contents into application equipment or a mix tank. Insert pressure rinsing nozzle in the container, and rinse at about 40 PSI for at least 30 seconds. Drain rinsate for 10 seconds after the flow begins to drip. Pour or pump rinsate into application equipment or rinsate collection system. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**Nonrefillable Paper or Plastic Bags, Fiber Sacks including Flexible Intermediate Bulk Containers (FIBC) or Fiber Drums With Liners:**

Nonrefillable container. Do not reuse or refill this container. Completely empty paper or plastic bag, fiber sack or drum liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application or manufacturing equipment. Then offer for recycling if available or dispose of empty paper or plastic bag, fiber sack or fiber drum and liner in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**Refillable Fiber Drums With Liners:** Refillable container (fiber drum only). Refill this container with DuPont™ EXPRESS® herbicide (with TOTALSOL® soluble granules) containing tribenuron methyl only. Do not reuse this container for any other purpose. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application or manufacturing equipment. Then offer the liner for recycling if available or dispose of liner in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner. Cleaning the container (fiber drum) before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container (fiber drum) before final disposal, completely empty container by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application or manufacturing equipment. Then offer the container for recycling if available or dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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**All Other Refillable Containers:** Refillable container. Refill this container with DuPont™ EXPRESS® herbicide (with TOTALSOL® soluble granules) containing tribenuron methyl only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn out threads and closure devices. Check for leaks after refilling and before transporting.

**Outer Pouches of Water Soluble Packets (WSP):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available or, dispose of the empty outer foil pouch in the trash as long as WSP is unbroken. If the outer pouch contacts the formulated product in any way, the pouch must be triple rinsed with clean water. Add the rinsate to the spray tank and dispose of the outer pouch as described previously.

Do not transport if this container is damaged or leaking. If the container is damaged, leaking or obsolete, or in the event of a major spill, fire or other emergency, contact DuPont at 1-800-441-3637, day or night.

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It is impossible to eliminate all risks associated with the use of this product. Such risks arise from weather conditions, soil factors, off target movement, unconventional farming techniques, presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of DuPont. These risks can cause: ineffectiveness of the product, crop injury, or injury to non-target crops or plants. **WHEN YOU BUY OR USE THIS PRODUCT, YOU AGREE TO ACCEPT THESE RISKS.**

DuPont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purpose stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions.

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To the extent consistent with applicable law that allows such requirement, DuPont or its Ag Retailer must have prompt notice of any claim so that an immediate inspection of buyer's or user's growing crops can be made. Buyer and all users shall promptly notify DuPont or a DuPont Ag Retailer of any claims, whether based on contract, negligence, strict liability, other tort or otherwise, or be barred from any remedy.

This Limitation of Warranty and Liability may not be amended by any oral or written agreement.

For product information call: 1-888-6-DUPONT

Internet address: <http://cropprotection.dupont.com/>

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## SUPPLEMENTAL LABELING

**DuPont Crop  
Protection**

**DUPONT™ EXPRESS®  
HERBICIDE  
(WITH TOTALSOL®  
SOLUBLE GRANULES)**

### **DUPONT™ EXPRESS® HERBICIDE (WITH TOTALSOL® SOLUBLE GRANULES)**

EPA Reg. No. 352-632

## **FOR VEGETATION BURNDOWN IN CALIFORNIA**

### **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

### **TIMING**

DUPONT™ EXPRESS® herbicide (with TotalSol® soluble granules), referred to below as EXPRESS®, may be applied for burndown of the **emerged weeds** listed below.

### **RATES AND ADJUVANTS**

- Apply EXPRESS® at 1/4 - 1/2 oz per acre. Use the higher rate for denser populations or where weeds are approaching the maximum size.
- Add a spray adjuvant (See Surfactants)

### **TANK MIXTURES**

- Addition of a minimum of 1/2 lb active ingredient per acre of 2,4 D LVE ester (e.g. 1 pt of a 4 lb/gal 2,4-D LVE formulation) is recommended for best results and required for burndown of some weeds.
- EXPRESS® may be mixed with one or more other suitably registered herbicides such as, but not limited to, DuPont Canopy XL, DuPont Basis, simazine, and glyphosate for expanded weed size, weed spectrum, or to add residual control. Read and follow all manufacturers label instructions for the companion herbicide. If those instructions conflict with this label, do not tank mix the herbicide with EXPRESS®.

### **APPLICATION EQUIPMENT AND SPRAY VOLUMES**

Apply uniformly by ground equipment using a properly calibrated fixed boom sprayer. For burndown applications of existing vegetation use with spray nozzles that provide thorough coverage of the weeds.

### **APPLICATION NEAR SENSITIVE CROPS APPLICATION REQUIREMENTS FOR PROTECTION OF SENSITIVE CROPS**

The following drift management requirements must be followed to minimize the potential for exposure of sensitive crops. Determine the prevailing wind speed and direction before application.

#### **Spray quality**

Apply with nozzles that give a coarse droplet size spectrum (volume median diameter (VMD) of 350-400 microns) and minimize droplets that are less than 200 microns.

#### **For aerial application:**

- **Nozzle orientation:** Solid stream nozzles oriented straight back produce the largest droplet size spectrum and the lowest drift.
- **Spray volume:** Apply a spray volume between 5 and 10 GPA
- **Wind speed:** Avoid spraying when sustained wind speeds approach or exceed 10 mph. Avoid applications in gusty wind conditions.
- **Aircraft equipment:** Boom length should be 75 percent or less of wing span. For helicopters, use a boom length and position that prevents droplets from entering the rotor vortices.
- **Application height:** Application at more than 10 ft. above the canopy increases the potential for spray drift. Applications must be made at the lowest application height that provides uniform coverage and should be consistent with safe operation of the aircraft.

#### **For ground application,**

- **Wind Speed:** Avoid spraying when sustained wind speeds approach or exceed 10 mph. Avoid applications in gusty wind conditions.
- **Boom height – ground sprayers:** Apply with a boom height no greater than 4 feet above the top of the largest plants. The buffer zone may be reduced when application is made with a low boom (20 inches) above the top of the crop canopy. The boom should remain level with the crop and have minimal bounce.

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**Buffer Zones**

The following buffer zones between the treated area and sensitive crops are required when these sensitive crops are downwind of the application site.

Sensitive crop	Ground application low boom	Ground high boom	Aerial application
	buffer	buffer	buffer
Tomato, cucumber, sugarbeet	350 ft	500 ft	1300 ft
Other broadleaf crops	50 ft	50 ft	500 ft
Tree and vine crops	50 ft	50 ft	500 ft
Dormant tree and vine	No buffer required		

Tree and vine crops do not require buffer zones when crops are dormant.

**IMPORTANT**

**BEFORE USING THIS HERBICIDE, READ AND CAREFULLY NOTE THE CAUTIONARY STATEMENTS AND OTHER PROCEDURAL INFORMATION APPEARING ON THE EPA REGISTERED LABEL OR ON OTHER SUPPLEMENTAL LABELS.**

This bulletin contains new or supplemental instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully. This labeling must be in the possession of the user at the time of pesticide application.

**WEEDS CONTROLLED - UP TO 3" IN HEIGHT OR DIAMETER**

<i>Black mustard</i>	<i>Poison hemlock*</i>
<i>Blue/purple mustard</i>	<i>Prickly lettuce **</i>
<i>Bushy wallflower/Treacle mustard</i>	<i>Purslane speedwell</i>
<i>Canada thistle</i>	<i>Russian thistle</i>
<i>Common chickweed</i>	<i>Shepherd's-purse**</i>
<i>Common groundsel</i>	<i>Slimleaf lambsquarters</i>
<i>Common lambsquarters</i>	<i>Small-flower buttercup</i>
<i>Common purslane</i>	<i>Smallseed falseflax</i>
<i>False chamomile</i>	<i>Tansymustard</i>
<i>Field pennycress</i>	<i>Tarweed fiddleneck</i>
<i>Hairy buttercup</i>	<i>Tumble / Jim hill mustard</i>
<i>Marestail*</i>	<i>Wild chamomile</i>
<i>Mayweed chamomile (dog fennel)</i>	<i>Wild mustard</i>
<i>Miners lettuce</i>	<i>Wild parsnip *</i>
<i>Pineappleweed</i>	

\* 2,4-D LVE addition required

\*\* 2,4-D LVE addition recommended

**WEEDS PARTIALLY CONTROLLED\*\*\* - UP TO 3" IN HEIGHT OR DIAMETER**

<i>Annual sowthistle</i>	<i>Redroot pigweed</i>
<i>Common sunflower (volunteer)</i>	<i>Redmaids</i>
<i>Common vetch</i>	<i>Wild buckheat</i>
<i>Hairy vetch</i>	<i>Wild garlic</i>
<i>Hairy nightshade</i>	<i>Wild radish</i>
<i>Pennsylvania smartweed</i>	
<i>Prostrate knotweed</i>	

\*\*\* partially controlled weeds exhibit a visual reduction in numbers as well as a significant loss of vigor.

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**DuPont Crop  
Protection**

**SUPPLEMENTAL LABELING**  
**DUPONT™ EXPRESS® HERBICIDE**  
**(WITH TOTALSOL® SOLUBLE**  
**GRANULES): FOR USE ONLY ON**  
**SUNFLOWER HYBRIDS WITH THE**  
**DUPONT™ ExpressSun™ TRAIT**

**DUPONT™ EXPRESS® HERBICIDE**  
**(WITH TOTALSOL® SOLUBLE GRANULES)**

EPA Reg. No. 352-632

**FOR USE ON SUNFLOWER HYBRIDS WITH THE DUPONT™ ExpressSun™**  
**TRAIT FOR TOLERANCE TO DUPONT™ EXPRESS® HERBICIDE**  
**(WITH TOTALSOL® SOLUBLE GRANULES)**  
**IN THE STATE OF CALIFORNIA**

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

DuPont™ EXPRESS® Herbicide (with TotalSol® soluble graules), referred to below as "EXPRESS®", is intended for application only to sunflower hybrids with the DuPont™ ExpressSun™ trait for tolerance to DuPont™ EXPRESS® Herbicide, referred to below as "ExpressSun™" sunflowers. Apply only on sunflower hybrids labeled "ExpressSun™" and warranted by the seed supplier to have tolerance to direct application of EXPRESS® herbicide. DO NOT apply EXPRESS® herbicide to sunflower hybrids that lack tolerance/resistance to EXPRESS® herbicide.

Apply EXPRESS® at a rate of 0.25 – 0.5 ounce per acre. Add a DuPont recommended, Methylated seed oil (MSO) having at least 80% active ingredient strength at a rate of 1% v/v (1 gallon surfactant per 100 gal of spray solution).

Apply EXPRESS® when the "ExpressSun™" sunflowers are in the 1 leaf stage of growth, but prior to beginning of bud formation. Temporary crop yellowing may be observed shortly after application of EXPRESS®, especially when applied to crops growing under environmentally stressful conditions.

**POSTEMERGENCE SEQUENTIAL APPLICATIONS**

Depending upon rainfall or other environmental conditions, annual weeds may have a second flush of germinating seedlings. To maximize control of such weeds, it may be necessary to apply EXPRESS® a second time, 14 or more days after the first application. The combined rate of the postemergence applications cannot exceed 1.0 oz. EXPRESS® per acre per use season. For the control of annual grasses, apply a grass herbicide such as ASSURE® II (refer to the ASSURE® II product labeling for use rates, weed size, adjuvant selection, precautions, and restrictions). For maximum performance, apply ASSURE® II

Herbicide at least one day before, or seven days after, the application of EXPRESS®.

**CULTIVATION**

A timely cultivation may be necessary to control suppressed weeds, weeds that were beyond the maximum size at application, and/or weeds that emerge after an application of EXPRESS® .

- Cultivation up to 7 days before the postemergence application of EXPRESS® may decrease weed control by pruning weed roots, placing the weeds under stress, and/or covering the weeds with soil and preventing coverage by EXPRESS® .
- To allow EXPRESS® to fully control treated weeds, cultivation is not recommended for 7 days after application.
- Optimum timing for cultivation is 7 – 14 days after a postemergence application of EXPRESS®.

**APPLICATION NEAR SENSITIVE CROPS**

**APPLICATION REQUIREMENTS FOR PROTECTION OF SENSITIVE CROPS**

Determine the prevailing wind speed and direction before application.

**Spray quality**

Apply with nozzles that give a coarse droplet size spectrum (volume median diameter (VMD) of 350-400 microns) and minimize droplets that are less than 200 microns.

**For aerial application:**

- **Nozzle orientation:** Solid stream nozzles oriented straight back produce the largest droplet size spectrum and the lowest drift.
- **Spray volume:** Apply a spray volume between 5 and 10 GPA
- **Wind speed:** Avoid spraying when sustained wind speeds approach or exceed 10 mph. Avoid applications in gusty wind conditions.

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- **Aircraft equipment:** Boom length should be 75 percent or less of wing span. For helicopters, use a boom length and position that prevents droplets from entering the rotor vortices.
- **Application height:** Application at more than 10 ft. above the canopy increases the potential for spray drift. Applications must be made at the lowest application height that provides uniform coverage and should be consistent with safe operation of the aircraft.

**For ground application,**

- **Wind Speed:** Avoid spraying when sustained wind speeds approach or exceed 10 mph. Avoid applications in gusty wind conditions.
- **Boom height – ground sprayers:** Apply with a boom height no greater than 4 feet above the top of the largest plants. The buffer zone may be reduced when application is made with a low boom (20 inches) above the top of the crop canopy. The boom should remain level with the crop and have minimal bounce.

**Buffer Zones**

The following buffer zones between the treated area and sensitive crops are required when these sensitive crops are downwind of the application site.

Sensitive crop	Ground application low boom	Ground high boom	Aerial application
	buffer	buffer	buffer
Tomato, cucumber, sugarbeet	350 ft	500 ft	1300 ft
Other broadleaf crops	50 ft	50 ft	500 ft
Tree and vine crops	50 ft	50 ft	500 ft
Dormant tree and vine	No buffer required		

Tree and vine crops do not require buffer zones when crops are dormant.

**PRECAUTIONS**

- Application of EXPRESS® prior to the 1 leaf stage of “ExpressSun™” sunflowers could result in crop injury.
- Avoid application to “ExpressSun™” sunflower fields in which germination is uneven (i.e., some plants are outside the specified leaf stage for application), as crop injury may result.
- Application(s) to “ExpressSun™” sunflowers that are, or have been, stressed by severe weather conditions, frost, abnormally hot or cold or wet or dry conditions, low fertility, drought, water saturated soil, disease and/or insect damage prior to application may result in crop injury. If the above stress conditions are expected to occur within 3 days after application of EXPRESS® to “ExpressSun™” sunflowers, crop injury may also occur.

**RESTRICTIONS**

- DO NOT apply EXPRESS® to Sunflowers that are not “ExpressSun™” sunflowers as severe crop injury or death of the plant will occur.
- Do not apply EXPRESS® within 70 days of sunflower harvest.

- Do not apply more than 1.0 oz. EXPRESS® per acre post-emergence during the same sunflower growing season.

**IMPORTANT BEFORE USING, READ AND FOLLOW ALL APPLICABLE DIRECTIONS, RESTRICTIONS AND PRECAUTIONS ON THE EPA-REGISTERED LABEL.**

Read the Limitation of Warranty and Liability on the Section 3 Federal product label before buying or using THIS product. If terms are not acceptable, return the unopened package at once to Seller for full refund of purchase price paid. Otherwise, use by Buyer or any other User constitutes acceptance of the terms of the Limitation of Warranty and Liability on the Section 3 Federal product label.

This bulletin contains new or supplemental instructions for the use of this product, which does not appear on the EPA-registered package label. Follow these instructions carefully. This labeling must be in the possession of the user at the time of application.

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## SUPPLEMENTAL LABELING

**DuPont Crop  
Protection**

**DUPONT™ EXPRESS®  
HERBICIDE (WITH TOTALSOL®  
SOLUBLE GRANULES)  
PRE-PLANT OR AT-PLANTING  
BURNDOWN**

### **DUPONT™ EXPRESS® HERBICIDE (WITH TOTALSOL® SOLUBLE GRANULES)**

EPA Reg. No. 352-632

## **PRE-PLANT OR AT-PLANTING BURNDOWN IN COTTON, FIELD CORN, GRAIN SORGHUM, RICE, AND SOYBEANS IN THE STATE OF CALIFORNIA**

DuPont™ EXPRESS® Herbicide (with TotalSol® soluble granules), referred to below as EXPRESS®, may be applied for burndown of emerged weeds before planting, or at planting, of cotton, field corn, grain sorghum, rice and soybeans.

### **DIRECTIONS FOR USE**

EXPRESS® may be used as part of a pre-plant or at-planting burndown treatment, in combination with other suitable registered herbicides.

Read and follow all manufacturers label instructions for the companion herbicide. If those instructions conflict with this label, do not tank mix the herbicide with EXPRESS®. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

In fields to be planted to cotton, apply EXPRESS® at 0.3 ounce per acre. In fields to be planted to field corn, grain sorghum, rice or soybeans, apply EXPRESS® at 0.25 to 0.5 ounce per acre for control or partial control of the weeds listed on the EPA registered label. Allow at least 14 days between application and planting of cotton, corn, soybeans or grain sorghum. Include a nonionic surfactant, petroleum based crop oil concentrate, or vegetable-seed oil-based product (methylated seed oils are considered a vegetable seed-based oil).

- If another herbicide is tank mixed with EXPRESS® to increase the broadleaf weed spectrum, select adjuvants based on the adjuvant limitations of the companion herbicide.

### **SPRAY ADJUVANTS**

#### **Nonionic Surfactant (NIS)**

Apply at a rate (concentration) of 0.25-0.5% v/v (1-2 qt per 100 gal spray solution). Use the higher rate in hot and dry conditions to enhance control.

#### **Crop Oil Concentrate**

Under dry conditions or during cool weather, a petroleum based crop oil concentrate, or vegetable-seed oil-based product may be used in place of a nonionic surfactant at 1-2 gallon/100 gal of spray solution 1-2% v/v) to enhance weed control. Use a petroleum-based crop oil concentrate with at least 14% emulsifiers/surfactant and 80% oil.

#### **Ammonium Nitrogen Fertilizer**

An ammonium nitrogen fertilizer can be added to a surfactant or a crop oil concentrate to enhance control. Alternatively, a high-quality, sprayable grade of ammonium sulfate (21-0-0) may be used.

#### **APPLICATION NEAR SENSITIVE CROPS**

#### **APPLICATION REQUIREMENTS FOR PROTECTION OF SENSITIVE CROPS**

Determine the prevailing wind speed and direction before application.

#### **Spray quality**

Apply with nozzles that give a coarse droplet size spectrum (volume median diameter (VMD) of 350-400 microns) and minimize droplets that are less than 200 microns.

#### **For aerial application:**

- **Nozzle orientation:** Solid stream nozzles oriented straight back produce the largest droplet size spectrum and the lowest drift.
- **Spray volume:** Apply a spray volume between 5 and 10 GPA
- **Wind speed:** Avoid spraying when sustained wind speeds approach or exceed 10 mph. Avoid applications in gusty wind conditions.

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- **Aircraft equipment:** Boom length should be 75 percent or less of wing span. For helicopters, use a boom length and position that prevents droplets from entering the rotor vortices.
- **Application height:** Application at more than 10 ft. above the canopy increases the potential for spray drift. Applications must be made at the lowest application height that provides uniform coverage and should be consistent with safe operation of the aircraft.

**For ground application,**

- **Wind Speed:** Avoid spraying when sustained wind speeds approach or exceed 10 mph. Avoid applications in gusty wind conditions.
- **Boom height – ground sprayers:** Apply with a boom height no greater than 4 feet above the top of the largest plants. The buffer zone may be reduced when application is made with a low boom (20 inches) above the top of the crop canopy. The boom should remain level with the crop and have minimal bounce.

**Buffer Zones**

The following buffer zones between the treated area and sensitive crops are required when these sensitive crops are downwind of the application site.

Sensitive crop	Ground application low boom	Ground high boom	Aerial application
	buffer	buffer	buffer
Tomato, cucumber, sugarbeet	350 ft	500 ft	1300 ft
Other broadleaf crops	50 ft	50 ft	500 ft
Tree and vine crops	50 ft	50 ft	500 ft
Dormant tree and vine	No buffer required		

Tree and vine crops do not require zones when crops are dormant.

**IMPORTANT PRECAUTIONS**

Seedling disease, nematodes, cold weather, deep planting (more than 2”), excessive moisture, high salt concentration, and/or drought may weaken cotton seedlings and increase the possibility of crop injury. Cotton resumes normal growth once favorable growing conditions return.

**RESTRICTIONS**

- DO NOT apply later than 14 days before planting cotton, corn, soybeans or grain sorghum.
- DO NOT apply after planting field corn, grain sorghum, rice or soybeans.
- DO NOT allow livestock to graze on, or feed forage, hay or straw from treated soybean fields.
- DO NOT make more than one pre-plant or at-planting application of EXPRESS® to field corn, grain sorghum, rice, or soybeans per growing season.
- DO NOT apply more than 0.5 oz. of EXPRESS® to rice, grain sorghum, field corn, or soybeans pre-plant or at-planting.

**IMPORTANT BEFORE USING EXPRESS®, READ AND FOLLOW ALL APPLICABLE DIRECTIONS, RESTRICTIONS AND PRECAUTIONS ON THE EPA-REGISTERED LABEL.**

This bulletin contains new or supplemental instructions for use of this product which do not appear on the EPA-registered package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

Read the Limitation of Warranty and Liability on the Section 3 Federal product label before buying or using THIS product. If terms are not acceptable, return the unopened package at once to Seller for full refund of purchase price paid. Otherwise, use by Buyer or any other User constitutes acceptance of the terms of the Limitation of Warranty and Liability on the Section 3 Federal product label.

**For product information call: 1-888-6-DUPONT**

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# SUPPLEMENTAL LABELING

## DuPont Crop Protection

### DUPONT™ EXPRESS® HERBICIDE (WITH TOTALSOL® SOLUBLE GRANULES)

## DUPONT™ EXPRESS® HERBICIDE (WITH TOTALSOL® SOLUBLE GRANULES)

EPA Reg. No. 352-632

### FOR VEGETATION BURNDOWN

#### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

#### TIMING

DUPONT™ EXPRESS® herbicide (with TotalSol® soluble granules), referred to below as EXPRESS®, may be applied for burndown of the **emerged weeds** listed below.

#### RATES AND ADJUVANTS

- Apply EXPRESS® at 1/4 - 1/2 oz per acre. Use the higher rate for denser populations or where weeds are approaching the maximum size.
- Add a spray adjuvant (See Surfactants)

#### TANK MIXTURES

- Addition of a minimum of 1/2 lb active ingredient per acre of 2,4 D LVE ester (e.g. 1 pt of a 4 lb/gal 2,4-D LVE formulation) is recommended for best results and required for burndown of some weeds.
- EXPRESS® may be mixed with one or more other suitably registered herbicides such as, but not limited to, DuPont Canopy XL, DuPont Basis, simazine, and glyphosate for expanded weed size, weed spectrum, or to add residual control. Read and follow all manufacturers label instructions for the companion herbicide. If those instructions conflict with this label, do not tank mix the herbicide with EXPRESS®.

#### APPLICATION EQUIPMENT AND SPRAY VOLUMES

Apply uniformly by ground equipment using a properly calibrated fixed boom sprayer. For burndown applications of existing vegetation use with spray nozzles that provide thorough coverage of the weeds.

#### WEEDS CONTROLLED - UP TO 3" IN HEIGHT , OR DIAMETER

<i>Black mustard</i>	<i>Poison hemlock*</i>
<i>Blue/purple mustard</i>	<i>Prickly lettuce **</i>
<i>Bushy wallflower/Treacle mustard</i>	<i>Purslane speedwell</i>
<i>Canada thistle</i>	<i>Russian thistle</i>
<i>Common chickweed</i>	<i>Shepherd's-purse**</i>
<i>Common groundsel</i>	<i>Slimleaf lambsquarters</i>
<i>Common lambsquarters</i>	<i>Small-flower buttercup</i>
<i>Common purslane</i>	<i>Smallseed falseflax</i>
<i>False chamomile</i>	<i>Tansymustard</i>
<i>Field pennycress</i>	<i>Tarweed fiddleneck</i>
<i>Hairy buttercup</i>	<i>Tumble / Jim hill mustard</i>
<i>Marestail*</i>	<i>Wild chamomile</i>
<i>Mayweed chamomile (dog fennel)</i>	<i>Wild mustard</i>
<i>Miners lettuce</i>	<i>Wild parsnip *</i>
<i>Pineappleweed</i>	

\* 2,4-D LVE addition required

\*\* 2,4-D LVE addition recommended

#### WEEDS PARTIALLY CONTROLLED\*\*\* - UP TO 3" IN HEIGHT OR DIAMETER

<i>Annual sowthistle</i>	<i>Prostrate knotweed</i>
<i>Common sunflower (volunteer)</i>	<i>Redroot pigweed</i>
<i>Common vetch</i>	<i>Redmaids</i>
<i>Hairy vetch</i>	<i>Wild buckheat</i>
<i>Hairy nightshade</i>	<i>Wild garlic</i>
<i>Pennsylvania smartweed</i>	<i>Wild radish</i>

\*\*\* partially controlled weeds exhibit a visual reduction in numbers as well as a significant loss of vigor.

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24 of 32

**IMPORTANT  
BEFORE USING THIS HERBICIDE, READ AND CARE-  
FULLY NOTE THE CAUTIONARY STATEMENTS AND  
OTHER PROCEDURAL INFORMATION APPEARING  
ON THE EPA REGISTERED LABEL OR ON OTHER  
SUPPLEMENTAL LABELS.**

This bulletin contains new or supplemental instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

R-340-3 092908-2 03-01-04

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## SUPPLEMENTAL LABELING

**DuPont Crop  
Protection**

**DUPONT™ EXPRESS®  
HERBICIDE  
(WITH TOTALSOL®  
SOLUBLE GRANULES)**

### **DUPONT™ EXPRESS® HERBICIDE (WITH TOTALSOL® SOLUBLE GRANULES)**

EPA Reg. No. 352-632

## **FOR WEED CONTROL IN GRASS GROWN FOR SEED ONLY IN THE STATES OF IDAHO, OREGON, WASHINGTON AND UTAH**

### **GENERAL INFORMATION**

DuPont™ EXPRESS® Herbicide (with TotalSol® soluble granules), referred to below as EXPRESS®, may be used for selective postemergence control/suppression of certain broadleaf weeds in seedling and established stands of bentgrass, bluegrass, annual ryegrass, orchardgrass, tall fescue, and fine fescue grown for seed. EXPRESS® may be used on seedling and established perennial ryegrass providing user accepts all risk of possible crop injury and/or reduced seed yield. See the "Use Rates" section of the EPA approved label.

EXPRESS® may cause temporary yellowing and stunting of grass. Best results are obtained when EXPRESS® is applied to young, actively growing weeds. The degree of control and duration of effect are dependent on the rate used, sensitivity and size of target weeds and environmental conditions at the time of and following application.

Note: Certain varieties of grass may be sensitive to EXPRESS®. When using EXPRESS® for the first time on a particular variety, limit use to one 10 ounce container.

### **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

### **USE RATES AND TANK MIXES WITH OTHER HERBICIDES**

#### **BENTGRASS, BLUEGRASS, ANNUAL RYEGRASS, ORCHARDGRASS, FINE FESCUE AND TALL FESCUE**

**Seedling Stands:** For best results apply EXPRESS® in a tank mix with another suitable broadleaf herbicide.

For use on annual ryegrass, orchardgrass, tall fescue and fine fescue, apply at 1/4 oz/A after stand is in 4-leaf stage.

For use on bentgrass, apply at 1/4 oz/A after stolens are 3 to 5 inches across.

For use on bluegrass, apply at 1/4 to 1/2 oz/A after stand is in 4-leaf stage.

**Established Stands:** For stands that have been established for at least one growing season (fall or spring), apply EXPRESS® at 1/4 to 1/2 oz/A in a tank mix with another suitable broadleaf herbicide. Use the higher rate for larger weeds and hard to control weeds like wild carrot. Apply prior to jointing.

#### **PERENNIAL RYEGRASS**

Perennial ryegrass is more sensitive to EXPRESS® than other grass species. Crop injury in the form of stunting and possible reduced seed yield may occur. To minimize the risk of crop injury, use the 1/4 oz/A rate and always use either 2,4-D or dicamba and liquid nitrogen with EXPRESS®.

**Seedling Stands:** Apply EXPRESS® at 1/4 oz/A in a tank mix with another suitable broadleaf herbicide after grass is in 5- to 6-leaf stage.

**Established Stands:** For stands that have been established for one growing season (fall or spring) apply EXPRESS® at 1/4 oz/A to 1/2 oz/A in a tank mix with another suitable broadleaf herbicide. Apply prior to jointing.

**Note:** The 1/2 oz rate of EXPRESS® should be used only for the control or suppression of problem weeds like wild carrot where the benefit of weed control can be offset by possible crop injury including possible yield reduction.

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**TANK MIXTURES**

Always use EXPRESS® in a tank mix with another broadleaf herbicide such as 2,4-D, MCP or dicamba as these herbicides safen the effects of EXPRESS® on grasses while improving weed control performance on most broadleaf weeds. Testing has shown that 2,4-D and dicamba are more effective in a tank mix with DuPont™ EXPRESS® than MCP. The addition of liquid fertilizer is also recommended. See "With Liquid Nitrogen Solution Fertilizer" section of the EPA approved label.

Use a minimum of 1/4 to 1/2 lb. ai/A of 2,4-D or MCP (8 to 16 fluid ounces of 4 lb/gal product).

Use a minimum of 1/8 to 1/4 lb ai/A of dicamba (such as 4 to 8 fluid ounces of "Banvel" or "Clarity").

**Liquid Fertilizer**

EXPRESS® can be applied with liquid fertilizers. Liquid fertilizers (20%, 28%, 32% N at a minimum of 4 gallons/100 gallons of spray solution) enhance the performance of EXPRESS® and improve crop safety. Always use a surfactant and another broadleaf herbicide when using liquid fertilizer with EXPRESS®.

**IMPORTANT**

**BEFORE USING THIS HERBICIDE, READ AND CAREFULLY NOTE THE CAUTIONARY STATEMENTS AND OTHER PROCEDURAL INFORMATION APPEARING ON THE EPA REGISTERED LABEL OR ON OTHER SUPPLEMENTAL LABELS.**

This bulletin contains new or supplemental instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

(Replaces H-65360)

R-341-3 092908 03-01-04

"Banvel" is a registered trademark of BASF Corporation

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## SUPPLEMENTAL LABELING

**DuPont Crop  
Protection**

**DUPONT™ EXPRESS®  
HERBICIDE  
(WITH TOTALSOL®  
SOLUBLE GRANULES)**

### **DUPONT™ EXPRESS® HERBICIDE (WITH TOTALSOL® SOLUBLE GRANULES)**

EPA Reg. No. 352-632

### **FOR SPRINKLER CHEMIGATION WITH DUPONT™ EXPRESS® HERBICIDE (WITH TOTALSOL® SOLUBLE GRANULES) AND BROMOXYNIL CONTAINING HERBICIDES (SUCH AS “BISON”, “BRONATE” OR “BRONATE ADVANCED”) FOR POSTEMERGENCE WEED CONTROL IN WINTER & SPRING WHEAT & SPRING BARLEY IN IDAHO**

#### **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

DuPont™ EXPRESS® Herbicide (with TotalSol® soluble granules), referred to below as EXPRESS®, may be used in combination with bromoxynil containing herbicides (such as “Bison”, “Bronate” or “Bronate Advanced”), for use in fall-seeded wheat, spring seeded barley and spring seeded wheat when applied through sprinkler irrigation systems in the State of Idaho.

#### **HOW TO USE**

Use 3/8 to 1/2 oz EXPRESS® per acre in combination with bromoxynil containing herbicides at 3 to 6 oz active ingredient per acre (such as “Bronate” or “Bison” at 3/4 - 1 1/2 pt per acre). Apply to wheat and barley after the 3-leaf stage but before the flag leaf is visible. Make only one chemigation application of this tank mixture per crop year.

For best results, apply to broadleaf weeds up to the 4-leaf stage, or 2 inches in height or 1 inch in diameter, whichever comes first. Consult EXPRESS® and bromoxynil containing herbicides package labels for a list of weeds controlled or suppressed.

#### **SPRINKLER IRRIGATION APPLICATION**

Apply this tank mix through sprinkler irrigation systems including center pivot, lateral move, side (wheel) roll, solid set or hand move irrigation systems only. Do not apply these herbicides through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, you should

contact State Extension Service specialists, equipment manufacturers or other experts. **Do not connect an irrigation system (including greenhouse systems) used for EXPRESS® application to any public water system.** A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

The sprinkler chemigation system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch, which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment.

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**SPECIFIC REQUIREMENTS FOR APPLICATION THROUGH SPRINKLER IRRIGATION SYSTEMS**

1. In center pivot and continuous lateral move systems, EXPRESS® + bromoxynil containing herbicides should be applied continuously for the duration of the water application. In solid set systems, application of the tank mix should be made during the last 30 to 45 minutes of the irrigation.
2. Set the sprinkler system to deliver approximately 0.5 inch or less of water per acre for best product performance.
3. Fill the supply tank with half of the water amount desired, add the EXPRESS® and agitate it well. Add the bromoxynil containing herbicide and then add the remaining water amount with agitation. Bromoxynil containing herbicides requires a dilution with at least 4 parts water to 1 part bromoxynil containing herbicide.
4. Agitation is recommended in the pesticide supply tank when applying this tank mix.
5. Inject the EXPRESS® + bromoxynil containing herbicides solution at least 8 feet ahead of a right angle turn of irrigation pipe to insure adequate mixing. Allow sufficient time for the herbicide mixture to be flushed through the lines before turning off irrigation water.
6. Follow both EXPRESS® and bromoxynil containing herbicides label instructions for spray tank cleanout both before and after application. Flush lines with clean water following application.
7. Do not apply when wind speed favors drift beyond the area intended for treatment. Avoiding spray drift is the responsibility of the applicator.

**IMPORTANT BEFORE USING THIS HERBICIDE, READ AND CAREFULLY NOTE THE CAUTIONARY STATEMENTS AND OTHER PROCEDURAL INFORMATION APPEARING ON THE EPA REGISTERED LABEL OR ON OTHER SUPPLEMENTAL LABELS.**

This bulletin contains new or supplemental instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

“Bronate” and “Bronate Advanced” are registered trademarks of Bayer Corporation.

“Bison” is a registered trademark of Agrilience, LLC.

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**DuPont Crop  
Protection**

**SUPPLEMENTAL LABELING**  
**DUPONT™ EXPRESS® HERBICIDE**  
**(WITH TOTALSOL® SOLUBLE**  
**GRANULES): FOR USE ONLY ON**  
**SUNFLOWER HYBRIDS WITH THE**  
**DUPONT™ ExpressSun™ TRAIT**

**DUPONT™ EXPRESS® HERBICIDE**  
**(WITH TOTALSOL® SOLUBLE GRANULES)**

EPA Reg. No. 352-632

**FOR USE ON SUNFLOWER HYBRIDS WITH THE DUPONT™ ExpressSun™**  
**TRAIT FOR TOLERANCE TO DUPONT™ EXPRESS® HERBICIDE**  
**(WITH TOTALSOL® SOLUBLE GRANULES)**

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

DuPont™ EXPRESS® Herbicide (with TotalSol® soluble graules), referred to below as "EXPRESS®", is intended for application only to sunflower hybrids with the DuPont™ ExpressSun™ trait for tolerance to DuPont™ EXPRESS® Herbicide, referred to below as "ExpressSun™" sunflowers. Apply only on sunflower hybrids labeled "ExpressSun™" and warranted by the seed supplier to have tolerance to direct application of EXPRESS® herbicide. DO NOT apply EXPRESS® herbicide to sunflower hybrids that lack tolerance/resistance to EXPRESS® herbicide.

Apply EXPRESS® at a rate of 0.25 – 0.5 ounce per acre. Add a DuPont recommended, Methylated seed oil (MSO) having at least 80% active ingredient strength at a rate of 1% v/v (1 gallon surfactant per 100 gal of spray solution).

Apply EXPRESS® when the "ExpressSun™" sunflowers are in the 1 leaf stage of growth, but prior to beginning of bud formation. Temporary crop yellowing may be observed shortly after application of EXPRESS®, especially when applied to crops growing under environmentally stressful conditions.

**POSTEMERGENCE SEQUENTIAL APPLICATIONS**

Depending upon rainfall or other environmental conditions, annual weeds may have a second flush of germinating seedlings. To maximize control of such weeds, it may be necessary to apply EXPRESS® a second time, 14 or more days after the first application. The combined rate of the postemergence applications cannot exceed 1.0 oz. EXPRESS® per acre per use season. For the control of annual grasses, apply a grass herbicide such as ASSURE® II (refer to the ASSURE® II product labeling for use rates, weed size, adjuvant selection, precautions, and restrictions). For maximum performance, apply ASSURE® II

Herbicide at least one day before, or seven days after, the application of EXPRESS®.

**CULTIVATION**

A timely cultivation may be necessary to control suppressed weeds, weeds that were beyond the maximum size at application, and/or weeds that emerge after an application of EXPRESS® .

- Cultivation up to 7 days before the postemergence application of EXPRESS® may decrease weed control by pruning weed roots, placing the weeds under stress, and/or covering the weeds with soil and preventing coverage by EXPRESS® .
- To allow EXPRESS® to fully control treated weeds, cultivation is not recommended for 7 days after application.
- Optimum timing for cultivation is 7 – 14 days after a postemergence application of EXPRESS®.

**PRECAUTIONS**

- Application of EXPRESS® prior to the 1 leaf stage of "ExpressSun™" sunflowers could result in crop injury.
- Avoid application to "ExpressSun™" sunflower fields in which germination is uneven (i.e., some plants are outside the specified leaf stage for application), as crop injury may result.
- Application(s) to "ExpressSun™" sunflowers that are, or have been, stressed by severe weather conditions, frost, abnormally hot or cold or wet or dry conditions, low fertility, drought, water saturated soil, disease and/or insect damage prior to application may result in crop injury. If the above stress conditions are expected to occur within 3 days after application of EXPRESS® to "ExpressSun™" sunflowers, crop injury may also occur.

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**RESTRICTIONS**

- DO NOT apply EXPRESS® to Sunflowers that are not “ExpressSun™” sunflowers as severe crop injury or death of the plant will occur.
- Do not apply EXPRESS® within 70 days of sunflower harvest.
- Do not apply more than 1.0 oz. EXPRESS® per acre post-emergence during the same sunflower growing season.

**IMPORTANT  
BEFORE USING, READ AND FOLLOW ALL  
APPLICABLE DIRECTIONS, RESTRICTIONS  
AND PRECAUTIONS ON THE EPA-REGIS-  
TERED LABEL.**

Read the Limitation of Warranty and Liability on the Section 3 Federal product label before buying or using THIS product. If terms are not acceptable, return the unopened package at once to Seller for full refund of purchase price paid. Otherwise, use by Buyer or any other User constitutes acceptance of the terms of the Limitation of Warranty and Liability on the Section 3 Federal product label.

This bulletin contains new or supplemental instructions for the use of this product, which does not appear on the EPA-registered package label. Follow these instructions carefully. This labeling must be in the possession of the user at the time of application.

DuPont™, EXPRESS®, ASSURE®, and ExpressSun™ are registered trademarks or trademarks of DuPont or its affiliates.

(Replaces H-65365)

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## SUPPLEMENTAL LABELING

**DuPont Crop  
Protection**

**DUPONT™ EXPRESS®  
HERBICIDE (WITH TOTALSOL®  
SOLUBLE GRANULES)  
PRE-PLANT OR AT-PLANTING  
BURNDOWN**

### **DUPONT™ EXPRESS® HERBICIDE (WITH TOTALSOL® SOLUBLE GRANULES)**

EPA Reg. No. 352-632

## **PRE-PLANT OR AT-PLANTING BURNDOWN IN COTTON, FIELD CORN, GRAIN SORGHUM, RICE, AND SOYBEANS**

DuPont™ EXPRESS® Herbicide (with TotalSol® soluble granules), referred to below as EXPRESS®, may be applied for burndown of emerged weeds before planting, or at planting, of cotton, field corn, grain sorghum, rice and soybeans.

#### **DIRECTIONS FOR USE**

EXPRESS® may be used as part of a pre-plant or at-planting burndown treatment, in combination with other suitable registered herbicides.

Read and follow all manufacturers label instructions for the companion herbicide. If those instructions conflict with this label, do not tank mix the herbicide with EXPRESS®. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

In fields to be planted to cotton, apply EXPRESS® at 0.3 ounce per acre. In fields to be planted to field corn, grain sorghum, rice or soybeans, apply EXPRESS® at 0.25 to 0.5 ounce per acre for control or partial control of the weeds listed on the EPA registered label. Allow at least 14 days between application and planting of cotton, corn, soybeans or grain sorghum. Include a nonionic surfactant, petroleum based crop oil concentrate, or vegetable-seed oil-based product (methylated seed oils are considered a vegetable seed-based oil).

- If another herbicide is tank mixed with EXPRESS® to increase the broadleaf weed spectrum, select adjuvants based on the adjuvant limitations of the companion herbicide.

#### **SPRAY ADJUVANTS**

##### **Nonionic Surfactant (NIS)**

Apply at a rate (concentration) of 0.25-0.5% v/v (1-2 qt per 100 gal spray solution). Use the higher rate in hot and dry conditions to enhance control.

#### **Crop Oil Concentrate**

Under dry conditions or during cool weather, a petroleum based crop oil concentrate, or vegetable-seed oil-based product may be used in place of a nonionic surfactant at 1-2 gallon/100 gal of spray solution 1-2% v/v) to enhance weed control. Use a petroleum-based crop oil concentrate with at least 14% emulsifiers/surfactant and 80% oil.

#### **Ammonium Nitrogen Fertilizer**

An ammonium nitrogen fertilizer can be added to a surfactant or a crop oil concentrate to enhance control. Alternatively, a high-quality, sprayable grade of ammonium sulfate (21-0-0) may be used.

#### **IMPORTANT PRECAUTIONS**

Seedling disease, nematodes, cold weather, deep planting (more than 2"), excessive moisture, high salt concentration, and/or drought may weaken cotton seedlings and increase the possibility of crop injury. Cotton resumes normal growth once favorable growing conditions return.

#### **RESTRICTIONS**

- DO NOT apply later than 14 days before planting cotton, corn, soybeans or grain sorghum.
- DO NOT apply after planting field corn, grain sorghum, rice or soybeans.
- DO NOT allow livestock to graze on, or feed forage, hay or straw from treated soybean fields.
- DO NOT make more than one pre-plant or at-planting application of EXPRESS® to field corn, grain sorghum, rice, or soybeans per growing season.
- DO NOT apply more than 0.5 oz. of EXPRESS® to rice, grain sorghum, field corn, or soybeans pre-plant or at-planting.

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**IMPORTANT  
BEFORE USING EXPRESS®, READ AND  
FOLLOW ALL APPLICABLE DIRECTIONS,  
RESTRICTIONS AND PRECAUTIONS ON THE  
EPA-REGISTERED LABEL.**

This bulletin contains new or supplemental instructions for use of this product which do not appear on the EPA-registered package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

Read the Limitation of Warranty and Liability on the Section 3 Federal product label before buying or using THIS product. If terms are not acceptable, return the unopened package at once to Seller for full refund of purchase price paid. Otherwise, use by Buyer or any other User constitutes acceptance of the terms of the Limitation of Warranty and Liability on the Section 3 Federal product label.

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