

(A)	United States Environmental Protection Agency Office of Pesticide Programs (H7505C) Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number <h2 style="margin: 0;">253458</h2>
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PM25

352 401

1 of 9

**Section I**

1. Company/Product Number <b>352-401</b>	2. EPA Product Manager <b>R. J. Taylor</b>	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) <b>DuPont Oust® Herbicide</b>	PM# <b>25</b>	
5. Name and Address of Applicant (Include ZIP Code) E.I. du Pont de Nemours and Company Barley Mill Plaza, Walker's Mill Bldg. 37 Wilmington, De 19880-0038 Attn: J. H. Cain, WM6-152 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:  EPA Reg. No. _____  Product Name _____	

**Section II**

<input type="checkbox"/> Amendment - Explain below  <input type="checkbox"/> Resubmission in response to Agency letter dated _____  <input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____  <input type="checkbox"/> "Me Too" Application.  <input type="checkbox"/> Other - explain below.
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**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

To submit notification for change in Restricted Entry Interval for DuPont Oust® Herbicide from 12 hours to 4 hours per Federal Register Notice of May 3, 1995 (WPS).

- Attachments:
- Two (2) copies of revised label, change in REI highlighted, identified as SL-207-1 9115 6/15/95
  - One (1) copy of current approved label, stamped accepted 6/15/95, identified as D-207 042795
  - One (1) copy of Docu-Comp Comparison Summary
  - Five (5) copies of final printed labeling, per PR Notice 82-2

**Section III**

<b>1. Material This Product Will Be Packaged In:</b>				<b>2. Type of Container</b>	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____	
* Certification must be submitted.		If "Yes," Unit Package wgt.    No. per container	If "Yes," Package wgt.    No. per container		
<b>3. Location of Net Contents Information</b>		<b>4. Size(s) of Retail Container</b>		<b>5. Location of Label Directions</b>	
<input type="checkbox"/> Label <input type="checkbox"/> Container				<input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
<b>6. Manner In Which Label is Affixed To Product</b>					
<input type="checkbox"/> Lithograph <input type="checkbox"/> Other ( _____ ) <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled					

**Section IV**

<b>1 Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)</b>		
Name <b>J. H. (Jack) Cain</b>	Title <b>Product Registration Manager</b>	Telephone No. (Include Area Code) <b>(302) 992-6106</b>
<b>Certification</b>		<b>6. Date Application Received</b>
I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		_____ (Stamped)
2. Signature 	3. Title <b>Product Registration Manager</b>	
4. Typed Name <b>J. H. (Jack) Cain</b>	5. Date <b>December 5, 1995</b>	



# Oust®

## herbicide

### Dispersible Granules

<i>Active Ingredient</i>	<i>By Weight</i>
Sulfometuron methyl (Methyl 2-[[[(4,6-dimethyl-2-pyrimidinyl)amino]-carbonyl]amino]sulfonyl]benzoate)	75%
<i>Inert Ingredients</i>	25%
TOTAL	100%

EPA Reg. No. 352-401

U.S. Pat. 4,394,506

### KEEP OUT OF REACH OF CHILDREN

## CAUTION

### STATEMENT OF PRACTICAL TREATMENT

If in eyes, immediately flush with plenty of water and get medical attention.

If on skin, immediately flush with plenty of water and get medical attention if irritation persists.

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

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION!** MAY IRRITATE EYES, NOSE, THROAT AND SKIN. Avoid breathing dust or spray mist. Avoid contact with skin, eyes and clothing.

#### PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

Long-sleeved shirt and long pants.

Waterproof gloves.

Shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, 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

For terrestrial uses, 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 disposing of equipment washwaters.

#### GENERAL INFORMATION

DuPont OUST® Herbicide is a dispersible granule that is mixed in water and applied as a spray. OUST controls many annual and perennial grasses and broadleaf weeds in forestry and noncrop sites.

OUST may be used for general weed control on industrial noncrop sites and for selective weed control in certain types of unimproved turf grasses on industrial sites. It can also be used for selective weed control in forest site preparation and in the release of several types of pines and certain hardwoods.

OUST controls weeds by both preemergence and postemergence activity. Preemergence treatments control or suppress weeds through root uptake while postemergence control works through root and foliar uptake. The best results are obtained when the application is made before or during the early stages of weed growth before weeds develop an established root system. Moisture is required to move OUST into the root zone of weeds for preemergence control. When rainfall is low, OUST may not provide satisfactory control.

It is noncorrosive, nonflammable, nonvolatile, and does not freeze.

For best postemergence results, apply OUST to young,

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Changes Marked - See pp 228

actively growing weeds. The use rate depends upon the weed species, weed size at application, and soil texture. 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
- soil pH, soil moisture, and soil organic matter

Use a high rate on established plants and on fine-textured soils and a lower rate on smaller weeds and coarse-textured soils.

### ENVIRONMENTAL CONDITIONS AND BIOLOGICAL ACTIVITY

OUST is absorbed by both the roots and foliage of plants, rapidly inhibiting the growth of susceptible weeds. Two to 3 weeks after application to weeds, leaf growth slows, and the growing points turn reddish-purple. Within 4 to 6 weeks of application, leaf veins and leaves become discolored, and the growing points subsequently die.

Warm, moist conditions following application accelerate the herbicidal activity of OUST; cold, dry conditions delay the herbicidal activity. In addition, weeds hardened-off by drought stress are less susceptible to OUST.

Rainfall is needed to move OUST into the soil for preemergence weed control, but postemergence weed control may be reduced if rainfall occurs too soon after application.

### RESISTANCE

When herbicides with the same mode of action are used repeatedly over several years to control the same weed species in the same field, naturally-occurring resistant weed biotypes may survive a correctly applied herbicide treatment, propagate, and become dominant in that field. These resistant weed biotypes may not be adequately controlled. Cultural practices such as tillage, preventing weed escapes from going to seed, and using herbicides with different modes of action within and between crop seasons can aid in delaying the proliferation and possible dominance of herbicide resistant weed biotypes.

### DIRECTIONS FOR USE

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

OUST should be used only in accordance with recommendations on this label or in separately published DuPont recommendations.

DuPont will not be responsible for losses or damages resulting from the use of this product in any manner not specifically recommended by DuPont. User assumes all risks associated with such nonrecommended use.

Do not use on food or feed crops.

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 in your State responsible for pesticide regulation.

### AGRICULTURAL USES

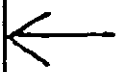
#### AGRICULTURAL USE REQUIREMENTS

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 4 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.
- Waterproof gloves.
- Shoes plus socks.



### FORESTRY

#### Application Information

OUST is recommended to control many broadleaf weeds and grasses in forestry sites. Apply by ground equipment or by air (helicopter only).

#### Application Timing

Apply OUST before herbaceous weeds emerge or shortly thereafter. Apply only during seasons when rainfall is sufficient to activate the herbicide in the soil.

**Weeds Controlled**

OUST effectively controls the following weeds when applied at the use rates indicated for the respective crop species:

Chickweed	Nutsedge (yellow)
Crabgrass	Panicums (broadleaf,
Dogfennel	fall, narrow)
Fescue	Pokeweed
Fireweed (willowweed)	Ragweed
Goldenrod	Shepherd's purse
Horseweed	White snakeroot
Kentucky bluegrass	Yellow sweetclover

See also weeds controlled under **Application Information—Noncrop (Industrial) Sites**

**Application Rates**

Apply OUST at the rates indicated by region. Use a low rate on coarse-textured soils (i.e., loamy sands, sandy loams) and a higher rate on fine-textured soils (i.e. sandy clay loams and silty clay loams).

**CONIFERS**

**Conifer Site Preparation**

**—Application Before Transplanting**

Make all applications before transplanting to control herbaceous weeds.

**Southeast**—Apply 2 to 8 oz per acre for loblolly, longleaf, slash, and Virginia pine. Transplant longleaf pine at least 60 days after treatment.

**Northeast and Lake States**—Apply 2 to 4 oz per acre for black spruce. Transplant at least 13 months after treatment.

Apply 2-1/2 to 4 oz OUST plus Accord<sup>1</sup> (as registered) for larch and tamarack. Transplant the following spring or summer but not less than 8 months after treatment.

**West**—Apply 2 to 4 oz per acre for coastal redwood, Douglas fir, grand fir, lodgepole pine, ponderosa pine, western larch, western white pine, and white fir. For ponderosa pine in California and other arid areas, apply in the fall and transplant the following spring.

**Conifer Release**

**—Application After Transplanting**

Apply OUST after transplanting to control herbaceous weeds.

**Southeast**—Apply 2 to 8 oz per acre for loblolly, longleaf, slash, or Virginia pine.

**Tank Mix Combinations (Southeast only)**—To control a broader spectrum of weeds in stands of loblolly, longleaf, or slash pine, apply 2 to 4 oz of OUST plus 2 to 3 pt of DuPont Velpar<sup>®</sup> L Herbicide per acre. Tank mix may injure or kill trees when applied during high humidity and temperature.

To enhance control of bermudagrass and Johnsongrass in stands of loblolly pine, apply 2 oz of OUST plus 4 to 6 fl oz of Arsenal<sup>3</sup> Applicators Concentrate. For the best results, make the application during late winter through spring when

weeds first emerge. Arsenal may temporarily inhibit pine growth if it is applied when pine is actively growing.

For control of many annual weeds particularly on cropland conversion areas, apply 2 to 4 oz of OUST plus 4 to 8 pt of Aatrex<sup>3</sup> 4L per acre. Use the higher rates on medium to fine texture soils where organic matter exceeds 2%. Use only on crop trees species specifically listed on both the OUST and "Aatrex 4L" labels.

**Northeast and Lake States**—Apply 2 to 8 oz per acre for jack or Virginia pine. Apply 1 to 1-1/2 oz per acre for eastern white pine. Apply 1-1/2 to 3 oz per acre for white spruce. Make applications when crop trees are dormant. Applications at budbreak and later stages of active growth may severely injure or kill trees.

**West**—Apply 2 to 4 oz per acre for coastal redwood, Douglas fir, grand fir, lodgepole pine, ponderosa pine, western larch, or western white pine. Applications made after dormancy break in the spring and before the final resting bud has hardened in the fall may severely injure or kill trees. For ponderosa pine in California and other arid areas, treatments applied over the top of transplant stock in the first year outplanted should be made in the fall, following transplanting in the spring after the final resting bud has hardened, or the following spring (second year outplanted).

**HARDWOODS**

Apply by ground equipment only, except in Virginia, North Carolina, South Carolina, Georgia, Florida, Alabama, Arkansas, and Louisiana, where aerial (helicopter only) applications may be made.

**Hardwood Site Preparation**

**—Application Before Transplanting**

Apply 3 to 5 oz on sites where northern red oak, white oak, chestnut oak, American sycamore, ash (white or green), red maple, sweetgum, or yellow poplar are to be planted. Make all applications before transplanting.

**Hardwood Release**

**—Application After Transplanting**

Apply 1 to 4 oz per acre in stands of American sycamore, ash (white or green), bald cypress, oak (chestnut, northern red, overcup, pin, swamp chestnut, water or white), red maple, sweetgum, or yellow poplar.

OUST must be applied before the hardwood crop tree seedlings or transplants break dormancy (bud swell stage). Applications made after the crop trees have broken dormancy may injure or kill the trees.

**IMPORTANT PRECAUTIONS—FORESTRY ONLY**

- Applications of OUST made to crop trees, conifers, or hardwoods that are suffering from loss of vigor caused by insects, diseases, drought, winter damage, animal damage, excessive soil moisture, planting shock, or other stresses, may injure or kill the crop trees.
- Applications of OUST made for release (trees present) should only be made after adequate rainfall has closed the planting slit and settled the soil around the roots following transplanting.

- Do not apply OUST to conifers or hardwoods grown for Christmas trees or ornamentals.
- If a surfactant is used with OUST, allowing the spray to contact tree foliage may injure or kill crop trees. The user assumes all responsibility for crop tree injury if a surfactant is used with OUST treatments applied after planting.
- OUST applications may result in damage and mortality to other species of crop trees when they are present on sites with those listed in the preceding recommendations for forestry uses.
- Use on hardwood trees growing in soils having a pH of 7 or greater may injure or kill the trees.
- Careful consideration must be given by an experienced and knowledgeable forester to match the requirements of the hardwood crop tree species to the conditions of the site. Treatment of species mismatches to the site may injure or kill the trees.
- Do not apply by air (helicopter only) within 200 feet of any homestead (occupied dwelling, associated out-buildings, lawns, gardens or landscape plantings), agricultural land, or other desirable plantings.
- OUST is not recommended for use on poorly drained or marshy sites, but it may be used where plantings are on raised beds.

## NON-AGRICULTURAL USES

### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Selective non-crop industrial weed control and weed control in turf (industrial, unimproved only) are not within the scope of the Worker Protection Standard.

### NONCROP (INDUSTRIAL) SITES

#### Application Information

OUST is recommended for use for general weed control on noncrop, industrial sites such as airports, military installations, fence rows, roadsides and associated rights-of-way, lumberyards, petroleum tank farms, pipeline and utility rights-of-way, pumping installations, railroads, storage areas, plant sites, and other similar areas including governmental and private lands. Apply by ground equipment only.

Combination with other herbicides broadens the spectrum of weeds controlled. In addition, total vegetation control can be achieved with higher rates of OUST plus residual-type companion herbicides. To improve the control of weeds, add surfactant at 0.25% by volume.

## AREAS OF 20" OR LESS ANNUAL RAINFALL (ARID AREAS)

### Application Timing

Apply OUST as a preemergence or early postemergence spray during the rainy season when weeds are actively germinating or growing.

### Weeds Controlled

OUST effectively controls the following broadleaf weeds and grasses when applied at the rates shown.

### Application Rates

Apply OUST at the rates indicated by weed type. When applied at lower rates, OUST provides short-term control of weeds listed; when applied at higher rates, weed control is extended.

#### Broadleaf Weeds—1-1/3 to 2 oz per acre

Annual sowthistle	Common yarrow
Black mustard	Curly dock
Buckhorn plantain	Prickly chontail
Burclover	Seaside heliotrope
Carolina geranium	Spreading orach
Chickweed	Sunflower
Common mallow	Western ragweed
Common speedwell	Whitestem filaree

#### Grasses (up to 6 to 12" tall)—1-1/3 to 2 oz per acre

Annual bluegrass	Red brome
Barnyardgrass	Reed Canarygrass
Cheat	Ripgut brome
Foxtail barley	Seashore saltgrass
Foxtail fescue	Signalgrass
Italian ryegrass	Yellow foxtail
Jointed goatgrass	

#### Grasses—2 to 3 oz per acre

Smooth brome

The weeds listed in Areas Of 20" Or More Annual Rainfall can also be controlled in arid areas; however, OUST must be applied at 3 to 8 oz per acre to control those weeds. These higher rates also provide control of severe infestations and longer term control of weeds listed for arid areas.

## AREAS OF 20" OR MORE ANNUAL RAINFALL

### Application Timing

Apply OUST as a preemergence or early postemergence spray during the rainy season when weeds are actively germinating or growing.

### Weeds Controlled

OUST effectively controls the following broadleaf weeds and grasses when applied at the rates shown.

### Application Rates

Apply OUST at the rates indicated by weed type. When applied at lower rates, OUST provides short term control of weeds listed; when applied at higher rates, weed control is extended.

**Broadleaf Weeds—3 to 5 oz per acre**

Bouncingbet	Pigweed
Burclover	Purple starthistle
Carolina geranium	Ragweed
Common chickweed	Sowthistle (annual)
Common dandelion	Sunflower
Common speedwell	Sweet clover
Common yarrow	Tansymustard
Crimson clover	Tansy ragwort
Dogfennel	Tumble mustard
Hoary cress (whiteweed)	Vetch
Little mallow	Wild carrot
Mustard	Wild oats
Ox-eye daisy	Yellow rocket
Pepperweed	

**Broadleaf Weeds—6 to 8 oz per acre**

Bedstraw	Horsetail (Equisetum)
Canada thistle	Kudzu
Curly dock	Musk thistle
Redstem filaree	Turkey mullein
Goldenrod	Wild blackberry

**Grasses—3 to 5 oz per acre**

Alta fescue	Kentucky bluegrass
Annual bluegrass	Little barley
Annual ryegrass	Red brome
Bahiagrass	Red fescue
Barnyardgrass	Reed canarygrass
Downy brome	Ripgut brome
Fescue	Ryegrass
Foxtails (except green)	Smooth brome
Foxtail barley	Sprangletop (annual)
Indiangrass	Wheat (volunteer)
Italian ryegrass	

**Grasses—6 to 8 oz per acre**

**Johnsongrass**

For short-term (up to 3 months) control of johnsongrass, apply early postemergence. Repeat treatment if additional control is desired or if regrowth occurs.

**Note:** Use the higher level of recommended dosage ranges under the following conditions:

- heavy weed growth
- soils containing more than 2-1/2% organic matter
- high soil moisture areas, such as along road edges or railroad shoulders

**Specific Weed Problems**

**—Noncrop (Industrial) Sites**

**Kochia, Russian Thistle, and Prickly Lettuce**

Since biotypes of kochia, Russian thistle, and prickly lettuce are known to be resistant to OUST, tank mixture combinations with herbicides having different modes of action, such as KARMEX DF, HYVAR X or KROVAR I DF, must be used. In areas where resistance is known to exist, these weeds should be treated postemergence with other herbicides registered for their control, such as 2,4-D or dicamba. Do not allow kochia, Russian thistle, or prickly lettuce to form mature seed.

**TANK MIX COMBINATIONS**

To improve preemergence to early postemergence control of weeds and grasses, add 2 to 8 oz of OUST per acre to the recommended rates of the following herbicides: DuPont HYVAR<sup>®</sup> X Herbicide, DuPont KARMEX<sup>®</sup> DF Herbicide, DuPont KROVAR<sup>®</sup> I DF Herbicide, DuPont VELPAR<sup>®</sup> L Herbicide, DuPont VELPAR<sup>®</sup> Herbicide, DuPont ESCORT<sup>®</sup> Herbicide (do not use in California), DuPont TELAR<sup>®</sup> Herbicide, glyphosate, dicamba, or 2,4-D.

Apply OUST plus a companion herbicide at the rates and timing as shown on package labels for target weeds. For application method and other use specifications, use the most restrictive directions for the intended combination.

Do not tank mix OUST with DuPont HYVAR<sup>®</sup> XL Herbicide.

**UNDER ASPHALT AND CONCRETE PAVEMENT**

**Application Information**

OUST can be used to control weeds under asphalt and concrete pavement, such as that used in parking lots, highway shoulders, median strips, roadways, and other industrial sites.

OUST will not control tubers, rhizomes, woody vegetation such as small trees, brush or woody vines.

OUST should only be used in an area that has been prepared according to good construction practices. Use sufficient water to ensure uniform coverage, generally 100 gal per acre. Agitate the tank continuously to keep OUST in suspension.

**Application Timing**

OUST should be applied immediately before paving to avoid lateral movement of the herbicide as a result of soil movement due to rainfall or mechanical means.

**Application Rate**

Apply OUST at 4 to 8 oz per acre. Use a higher rate on hard-to-control weeds and for long-term control.

**Tank Mix Combinations**

**—Under Asphalt and Concrete Pavement**

For broader spectrum control or for an extended period of control under asphalt or concrete pavement, OUST may be applied as a tank mix with HYVAR X at 6 to 15 lb per acre or KROVAR I DF at 7 to 15 lb per acre.

**IMPORTANT PRECAUTIONS—UNDER ASPHALT ONLY**

- Do not use OUST under pavement in residential properties such as driveways, or in recreational areas, including jogging or bike paths, tennis courts, or golf cart paths.
- Desirable plants may be injured if their roots extend into treated areas or if planted in treated areas.

## **TURF, INDUSTRIAL (UNIMPROVED ONLY)**

### **Application Information**

OUST is recommended to control weeds on unimproved industrial turf, on roadsides, or on other noncrop sites where the turf is well established as a ground cover. Applications may temporarily suppress grass growth and inhibit seedhead formation (chemical mowing).

### **Bermudagrass Release**

#### **Application Timing**

Apply OUST after bermudagrass has broken dormancy and is well established, usually 30 days after initial spring flush. If additional applications are necessary, apply OUST again during late spring to early summer. On established weeds, apply OUST 1 to 2 weeks after mowing for the best results.

OUST may also be applied in late fall or early winter. Use the lower rates on small seedling weeds and a higher rate on larger weeds. Also, refer to the listing of Weeds Controlled under Noncrop (Industrial) Weed Control.

#### **Weeds Controlled**

OUST may be used to control the following weeds when applied at the use rates shown.

#### **Late Spring to Early Summer—1 to 2 oz/acre**

Carolina Geranium	Goldenrod
Fescue	Spotted Spurge
Foxtail	Wild carrot

#### **Spring to Fall—2 to 3 oz/acre**

Johnsongrass

#### **Late Fall to Early Winter—1 to 4 oz/acre**

Carolina geranium	Little barley
Common chickweed	Wild blackberry
Fescue	

### **Tank Mix Combinations—Bermudagrass (South Only)**

Apply 1 to 2 oz OUST per acre as a tank mix with 3 to 4 lb active ingredient of MSMA per acre on well-established bermudagrass during the summer. Refer to the MSMA package label for a list of additional weeds that may be controlled. Two or more sequential applications of MSMA alone may be necessary to maintain weed control.

### **Bahiagrass Release and Seedhead Suppression**

#### **Application Timing**

Apply 1/2 to 1 oz OUST per acre to turf after green-up and before seedheads emerge (boot stage). Ensure that desirable grasses are well-established at application, as premature treatment may result in top kill and stand reduction of desirable turf. Make only one application per year.

## **Smooth Brome and Crested Wheatgrass Release and Suppression**

### **Application Timing**

Apply 1 oz OUST per acre to turf after green-up and before seedheads emerge (boot stage). Ensure that desirable grasses are well-established at application, as premature treatment may result in top kill and stand reduction of desirable turf. Make only one application per year.

### **Weeds Controlled**

OUST may be used to control the following weeds when applied at the use rates shown.

#### **Late Spring to Early Summer—1 oz/acre**

Downy Brome	Goldenrod
Foxtail	

### **IMPORTANT PRECAUTIONS—INDUSTRIAL, UNIMPROVED TURF**

- Excessive injury to turf may result if a surfactant is used with OUST applications made to actively growing turf. The user assumes all responsibility for turf injury if a surfactant is used with OUST treatments applied to actively growing turf.
- OUST may temporarily discolor or cause top kill of turf grasses. Applications made while turf is dormant may delay green-up in the spring.
- Annual retreatments may reduce vigor, particularly at the higher recommended rates, where bahiagrass, crested wheatgrass and smooth brome are grown.
- OUST application on turf that is under stress from drought, insects, disease, cold temperatures or late spring frost, may result in injury.
- Do not apply OUST to turf within 1 year of planting as stand reduction may result.

### **SPRAY EQUIPMENT**

Following an OUST application, do not use sprayer for application to crops. The mixing and application equipment must be used for forestry and noncrop applications only. This is extremely important as low rates of OUST can kill or severely injure most crops.

### **BROADCAST APPLICATION**

#### **Ground**

Use 15 to 40 gal of water per acre when applying OUST as a broadcast application. Select a spray volume and delivery system that will ensure thorough coverage and a uniform spray pattern. Be sure the sprayer is calibrated before use. Avoid overlapping and shut off spray booms while starting, turning, slowing, or stopping to avoid injury to desired species.

#### **Air (Forestry Only)**

Use 5 to 15 gal of water per acre when applying OUST. Select a spray volume and delivery system that will ensure thorough coverage and a uniform spray pattern. Use a helicopter only. Do not use fixed-wing aircraft. Be sure the sprayer is calibrated. Avoid overlapping and shut off spray booms while starting, turning or slowing to avoid injury to desired species.

## MIXING INSTRUCTIONS

1. Fill spray tank 1/2 full of water.
2. With the agitator running, add the proper amount of OUST.
3. If using a companion product, add the recommended amount.
4. For postemergent applications, add the proper amount of spray adjuvants (i.e. surfactants, drift control agents, etc.).
5. Add the remaining water.
6. Agitate the spray tank thoroughly.

Use the spray preparation within 24 hours to avoid product degradation. If the spray preparation is left standing, agitate it thoroughly before using.

## SPRAYER CLEANUP

Thoroughly clean all mixing and spray equipment immediately following applications of OUST as follows:

1. Drain tank; thoroughly rinse spray tanks, boom, and hoses with clean water.
2. Fill the tank with clean water and 1 gal of household ammonia\* (contains 3% active) for every 100 gal of water. Flush the hoses, boom, and nozzles with the cleaning solution. Then add more water to completely fill the tank. Circulate the cleaning solution through the tank and hoses for at least 15 min. Flush the hoses, boom, and nozzles again with the cleaning solution, and then drain the tank.
3. Remove the nozzles and screens and clean separately in a bucket containing cleaning agent and water.
4. Repeat step 2.
5. Rinse the tank, boom, and hoses with clean water.
6. Dispose of the rinsate on site or at an approved waste disposal facility.

\* Equivalent amounts of an alternate-strength ammonia solution or a DuPont-approved cleaner can be used in the cleanout procedure. Carefully read and follow the individual cleaner instructions. Consult your agricultural dealer, applicator, or DuPont representative for a listing of approved cleaners.

### Notes:

1. **Caution:** Do not use chlorine bleach with ammonia as dangerous gases will form. Do not clean equipment in an enclosed area.
2. Steam-cleaning aerial spray tanks is recommended before performing the above cleanout procedure to facilitate the removal of any caked deposits.
3. When OUST is tank mixed with other pesticides, all required cleanout procedures should be examined and the most rigorous procedure should be followed.

## 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 μ). The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. The presence of sensitive species nearby, 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 the Wind, Temperature and Humidity, and 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 flow rates 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

#### —HELICOPTER ONLY

- **Number of Nozzles** - Use the minimum number of nozzles with the highest flow rate that provides 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** - Straight stream nozzles (such as disc and core with swirl plate removed or Microfoil<sup>2</sup>) oriented straight back produce larger droplets than other nozzle types.
- **Boom Length** - The boom must not exceed 3/4 of the rotor length - longer booms increase drift potential.
- **Application Height** - Application more than 10 ft above the canopy increases the potential for spray drift.

## BOOM HEIGHT

Setting the boom at the lowest height that provides uniform coverage reduces the exposure of droplets to evaporation and wind. For ground equipment, the boom should remain level with the crop and have minimal bounce.

## WIND

Drift potential increases at speeds of less than 3 mph or more than 10 mph. However, many factors, including droplet size and equipment type, determine drift potential at any given wind speed. **Avoid gusty and windless conditions.**

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



**TEMPERATURE AND HUMIDITY**

When making applications in hot and dry conditions, set up equipment to produce larger droplets to compensate for evaporation.

**TEMPERATURE INVERSIONS**

Drift potential is high during a temperature inversion. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by an increase in temperature with an increase in altitude and are common on nights with limited cloud cover and light to no wind. Inversions 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 an 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.

**IMPORTANT PRECAUTIONS**

Injury to or loss of desirable trees or other plants may result from failure to observe the following:

- If equipment is drained or flushed 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.
- Treatment of powdery, dry soil or light, sandy soil when there is little likelihood of rainfall soon after treatment may result in off target movement and possible damage to susceptible crops when soil particles are moved by wind or water. Injury to crops may result if treated soil is washed, blown, or moved onto land used to produce crops. Exposure to OUST may injure or kill most crops. Injury may be more severe when the crops are irrigated.
- Applications made where runoff water flows onto agricultural land may injure crops. Applications made during periods of intense rainfall, to soils saturated with water, surfaces paved with materials such as asphalt or concrete, or soils through which rainfall will not readily penetrate may result in runoff and movement of OUST. Do not treat frozen soil. Treated soil should be left undisturbed to reduce the potential for OUST movement by soil erosion due to wind or water.

Do not use on lawns, walks, driveways, tennis courts, or similar areas.

Keep from contact with fertilizers, insecticides, fungicides, and seeds.

Do not apply in or on irrigation ditches or canals including their outer banks.

Do not apply through any type of irrigation system.

Do not use the equipment used to mix or apply OUST on crops. The mixing and application equipment may be used for forestry and noncrop applications only.

If noncrop or forested sites treated with OUST are to be converted to a food, feed, or fiber agricultural crop, or to a horticultural crop, do not plant the treated sites for at least one year after the OUST application. To avoid damage to crops planted in these areas, and to ensure complete OUST dissipation on treated sites, soil samples should be quantitatively analyzed, and a bioassay should be conducted before planting.

Do not use this product in the following counties of Colorado: Saguache, Rio Grande, Alamosa, Costilla and Conejos.

**STORAGE AND DISPOSAL**

**STORAGE:** Store product in original container only. Do not contaminate water, other pesticides, fertilizer, food or feed in storage.

**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 DISPOSAL:** Triple rinse (or equivalent) the container. Then offer for recycling or reconditioning, 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.

**NOTICE TO BUYER:** Purchase of this material does not confer any rights under patents of countries outside of the United States.

**NOTICE OF WARRANTY**

Du Pont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Du Pont. In no case shall Du Pont be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the buyer. **DU PONT MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.**

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