

62719-477

05/29/2003

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg.  
Number:

62719-  
477

Date of Issuance:

MAY 29 2003

NOTICE OF PESTICIDE:

☒ Registration  
☐ Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Pasturgard Herbicide

Name and Address of Registrant (include ZIP Code):

Dow AgroSciences  
9330 Zionsville Road  
Indianapolis, IN 46268

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

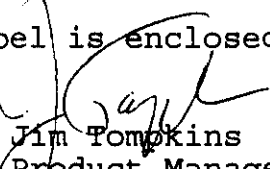
This product is conditionally registered in accordance with FIFRA sec. 3(c) (7) (A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit data.
2. Make the following label change listed below before you release the product for shipment:

Change the registration number to "EPA Reg. No. 62719-477".

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

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

Signature of Approving Official:

Date:

5/29/03

Base label:

(Logo) Dow AgroSciences

## Pasturegard\*

**For control of unwanted woody plants in non-crop areas, including fence rows, non-irrigation ditch banks and around farm buildings using foliar, basal bark or cut stump individual plant treatment methods**

**Active Ingredient:**

triclopyr: 3,5,6-trichloro-2- pyridinyloxyacetic acid, butoxyethyl ester .....	25.0%
fluroxypyr: [(4-amino-3,5-dichloro-6-fluoropyridin-2-yl)oxy]acetic acid, 1-methylheptyl ester .....	8.6%
Inert Ingredients: .....	66.4%
Total Ingredients .....	100.0%

Contains petroleum distillates

Acid Equivalents: triclopyr - 17.97% - 1.5 lb/gal  
fluroxypyr - 5.99% - -0.5 lb/gal

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated**

**MAY 29 2003**

**Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
62719-477**

**Keep Out of Reach of Children**

## **DANGER PELIGRO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

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### **Precautionary Statements**

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#### **Hazards to Humans and Domestic Animals**

**Corrosive • Causes Irreversible Eye Damage • Harmful If Swallowed**

**Do not get in eyes or on clothing. Avoid contact with skin. Wear protective eyewear (goggles, face shield, or safety glasses). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.**

#### **First Aid**

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**If on skin or clothing:** 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.

**If swallowed:** Immediately call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to do so. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 for emergency medical treatment information.

**Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage. Contains petroleum distillate - vomiting may cause aspiration pneumonia.

### **Environmental Hazards**

Fluroxypyr is toxic to fish. Drift or runoff from treated areas may be hazardous to aquatic organisms and non-target plants. Do not apply directly to water, 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.

Triclopyr has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

### **Physical or Chemical Hazards**

**Combustible. Do not use or store near heat or open flame.**

**Refer to label booklet for Directions for Use, including Storage and Disposal.**

**Notice:** Read the entire label. Use only according to label directions. **Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies at end of label booklet. If terms are unacceptable, return at once unopened.**

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994. If you wish to obtain additional product information, visit our web site at [www.dowagro.com](http://www.dowagro.com).

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-XXX

EPA Est. \_\_\_\_\_

\*Trademark of Dow AgroSciences LLC  
Dow AgroSciences LLC • Indianapolis, IN 46268 U.S.A.

## **Herbicide**

**Net Contents** \_\_ gal

Datapak cover:

(Logo) Dow AgroSciences

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Inert Ingredients: .....	66.4%
Total Ingredients .....	100.0%

Contains petroleum distillates

Acid Equivalents: triclopyr - 17.97% - 1.5 lb/gal  
fluroxypyr - 5.99% - 0.5 lb/gal

**Keep Out of Reach of Children**

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## Herbicide

Net Contents \_\_ gal

(Page 1 through end):

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## **Precautionary Statements**

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### **Hazards to Humans and Domestic Animals**

# **DANGER**

**Corrosive • Causes Irreversible Eye Damage • Harmful If Swallowed**

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### **First Aid**

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**If swallowed:** Immediately call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to do so. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 for emergency medical treatment information.

**Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage. Contains petroleum distillate - vomiting may cause aspiration pneumonia.

### **Environmental Hazards**

Fluroxypyr is toxic to fish. Drift or runoff from treated areas may be hazardous to aquatic organisms and non-target plants. Do not apply directly to water, 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.

Triclopyr has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

### **Physical or Chemical Hazards**

**Combustible. Do not use or store near heat or open flame.**

### Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

### 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.

**Entry Restrictions for Non-WPS Uses:** Keep unprotected persons out of treated areas until sprays have dried.

### Storage and Disposal

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Store above 28°F or agitate before use.

**Pesticide Disposal:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

**Plastic Container Disposal:** Triple rinse (or equivalent). 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.

**Metal Container Disposal:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

### General Information

Pasturegard\* herbicide, an oil soluble, emulsifiable liquid product containing triclopyr and fluroxypyr herbicides, is recommended for the control of unwanted woody plants in non-crop areas, including fence rows, non-irrigation ditch banks and around farm buildings. Individual plant treatments may be made using foliar, basal bark, or cut stump application techniques. Foliar spray treatments must be made to woody plants that are in full leaf at the time of application.

### Precautions and Restrictions

- When tank-mixing, follow the most restrictive label directions, precautions, and limitations for all products used.
- Do not apply directly to the banks of ditches used for irrigation or domestic purposes. Do not apply directly to water (see Environmental Hazards section).
- **Chemigation:** Do not apply this product through any type of irrigation system.
- **Entry Restrictions:** Keep unprotected persons out of treated areas until sprays have dried.
- Do not allow grazing in treated areas.
- Do not apply more than 0.75 lb ae per acre pre year of triclopyr.
- Do not apply more than 0.25 lb ae per acre per year of fluroxypyr.

## Avoiding Injury to Non-target Plants

Spray drift produced during application is the responsibility of the applicator and care should be taken to minimize off-target movement of spray during application. A drift control agent suitable for agricultural use may be used with this product to aid in reducing spray drift. If used, follow all use recommendations and precautions on the product label.

**Do not apply where drift may be a problem due to proximity to susceptible crops or other desirable broadleaf plants.** Do not apply this product directly to, or otherwise permit contact with cotton, grapes, peanuts, soybeans, tobacco, vegetable crops, flowers, fruit trees, ornamentals, or other susceptible broadleaf plants. Do not permit spray mist or drift containing this product to contact susceptible plants because even very small quantities of the spray, that may not be visible, can cause severe injury during either active or dormant periods. Do not use in or around greenhouses.

Do not store or handle other agricultural chemicals with the same containers used for this product. Do not apply other agricultural chemicals or pesticides with equipment used to apply this product unless equipment has been thoroughly cleaned.

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## Woody Plant Control Using Individual Plant Treatments

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**Applied as directed, Pasturegard controls or suppresses the following woody plants and vines:**

acacia, twisted	ivy, poison	persimmon, Texas
aspen	kudzu ††	poplar
birch species	locust, black	pricklyash
blackberry	locust, honey	primrose-willow
elbowbush	maple species (except	rose, wild
elderberry	bigleaf & vine †)	saltbush (silver myrtle) †
elm (except winged elm)	mesquite	saltcedar
granjeno	milkweed vine †	sassafras
grape, wild	oak, poison	sumac
greenbriar ††	oak species	trumpet creeper †
guajillo	Osage-orange (bois d'arc	Virginia creeper †
guava †	or hedge)	waxmyrtle (top growth)
hackberry	palmetto ††	willow
hawthorn	peppervine †	yaupon
huisache	persimmon, eastern	yucca

† Basal or dormant stem applications only

Repeat application may be required.

Individual Plant Treatment Method and Target Woody Plant(s)	Application Rate
<b>High-Volume Foliar Treatment of Individual Plants Using Ground Equipment (Not recommended for brush greater than 8 feet tall):</b> acacia, twisted, aspen, birch, blackberry, elbowbush, elderberry, elm, granjeno, grape, greenbriar, hackberry, hawthorn, lantana, maple, milkweed vine, poison oak, post oak, Osage-orange, peppervine, eastern persimmon, poplar, pricklyash, primrose-willow, rose, sumac, trumpetcreeper, Virginia creeper, wax myrtle, willow	1 - 2 gallons of Pasturegard/100 gallons of spray (1-2 % v/v) plus 1 qt of non-ionic surfactant

**Specific Use Recommendations:**

**General:** Optimum timing period is late spring through early fall when plants are actively growing, non-drought stressed, and minimal insect damage or defoliation.

Apply with a backpack or power sprayer using sufficient spray pressure to provide uniform plant coverage without forming a mist and direct spray no higher than tops of target woody plants. Use sufficient spray volume to thoroughly wet all leaves, stems, and root collars. To minimize spray drift, a drift control additive approved for growing crops is recommended. A dye marker may be added to the spray mixture as a means of marking treated plants.

**Maximum Use Rate:** For individual plant treatment with high-volume foliar sprays, do not apply more than 0.25 lb ae/acre of fluroxypyr per annual growing season (50 gallons of total spray mixture per acre at the 1 gallon/100 gallons rate or 25 gallons of total spray mixture per acre at the 2 gallon/100 gallons rate).

Mixing Chart for High-Volume Foliar Spray (Label rate range is 1 to 2 gallons per 100 gallons or 1-2% v/v)			
Total Volume of Spray Mixture (gallons)	Amount of Herbicide Required at Specified Rate		Amount of Surfactant
	1 gal/100 gal (1% v/v)	2 gal/100 gal (2% v/v)	(0.25% v/v)
400	4 gal	8 gal	1 gallon
100	4 qt	8 qt	1 qt
50	4 pt	8 pt	1 pt
25	2 pt	4 pt	8 fl oz
14	18 fl oz	36 fl oz	4.5 fl oz
10	12.8 fl oz	25.6 fl oz	3.2 oz
5	6.4 fl oz	12.8 fl oz	1.6 fl oz
3	4 fl oz	8 fl oz	1 fl oz



Individual Plant Treatment Method and Target Woody Plant(s)	Application Rate
<b>Basal Spray (Also called Stem Spray Method:</b> All woody plants listed.	50% Pasturegard plus 50% oil (diesel, kerosene, or commercial basal carrier)

**Specific Use Recommendations:** Apply to stems less than 6 inches in diameter at any time, including winter months, except when snow or water prevent spraying to ground line. Apply with backpack or hand wand equipment using solid cone or flat fan nozzle at low pressure. Thoroughly wet the base and root collar of all stems to a height of 12 to 15 inches, but not to the point of runoff.

**Maximum Use Rate:** For basal spray application, do not apply more than 0.25 lb ae/acre of fluroxypyr per annual growing season (1 gallon of total spray mixture per acre).

Individual Plant Treatment Method and Target Woody Plant(s)	Application Rate
<b>Streamline Basal Bark Treatment:</b> mesquite, huisache, red maple, white and red oak, elbowbush, greenbriar, hackberry, pricklyash, yaupon and wild grape, eastern persimmon	50% Pasturegard plus 50% oil (Diesel, kerosene or commercial basal carrier with 10% penetrant such as Cidekick penetrant)

**Specific Use Recommendations:** Apply to stems less than 3 inches in diameter at any time, including winter months, except when snow or water prevent spraying to ground line. Apply with backpack or hand wand equipment using straight stream nozzle at low pressure. Apply the spray in a 2 to 3 inch wide band 12 to 24 inches above the ground. Treat one side of stems less than 3 inches in diameter and a complete band around stems greater than 3 inches in diameter. For best results treat thin juvenile bark above rough thickened bark.

**Maximum Use Rate:** For streamline basal bark application, do not apply more than 0.25 lb ae/acre of fluroxypyr per annual growing season (1 gallon of total spray mixture per acre).

Individual Plant Treatment Method and Target Woody Plant(s)	Application Rate
<b>Cut Stump Treatment:</b> All woody plants listed.	50% Pasturegard plus 50% oil (Diesel, kerosene or commercial basal carrier)

**Specific Use Recommendations:** Apply to freshly cut stumps. Apply with backpack or hand wand equipment using solid cone or flat fan nozzle at low pressure. Thoroughly wet the sides of the stump, root collar, and outer portion of the cut surface, including the cambium, but not to the point of runoff. Cut stump applications may be made at any time, including winter months, except when snow or water prevent spraying to ground line. **For saltcedar**, use undiluted Pasturegard. If this rate is used, do not apply more than 1/2 gallon per acre per growing season.

**Maximum Use Rate:** For cut stump application (50% Pasturegard plus 50% oil), do not apply more than 0.25 lb ae/acre of fluroxypyr per annual growing season (1 gallon of total spray mixture per acre).

Individual Plant Treatment Method and Target Woody Plant(s)	Application Rate
Thinline Basal Bark Treatment: Red maple, blackberry, dogwood, red oak and white oak	Undiluted Pasturegard

**Specific Use Recommendations:** Control of susceptible woody plants with stems less than 6 inches in diameter, can be achieved with applications of undiluted Pasturegard applied in a thin stream to all sides of the stems about 6 inches above the base of the plant. The stream should be directed horizontally to apply a narrow band of Pasturegard around each stem or clump. From 2 to 15 ml of chemical is required for treatment of single stems and from 25 to 100 ml to treat clumps of stems. Use an applicator metered or calibrated to deliver the small amounts required.

**Maximum Use Rate:** For thinline basal bark application, do not apply more than 0.25 lb ae/acre of fluroxypyr per annual growing season (1/2 gallon of total spray mixture per acre).

Individual Plant Treatment Method and Target Woody Plant(s)	Application Rate
Growing Point and Leaf Base (Crown) Treatment: Palmetto, Yucca	2% solution v/v (2 gal/100 gal)
<b>Specific Use Recommendations:</b> Thoroughly wet the center of the plant including growing point and leaf bases to the soil surface. Complete coverage of leaves is not necessary.	

**Maximum Use Rate:** For growing point and leaf base (crown) treatment of yucca, do not apply more than 0.25 lb ae/acre of fluroxypyr per annual growing season (25 gallons of total spray mixture per acre).

### **Mixing Directions**

Pasturegard will readily mix with oil or can be mixed with water to form an emulsion. For water mixtures, an agricultural surfactant at the manufacturer's recommended rate may be added to the spray mixture to provide improved wetting of foliage. For foliar applications, a drift control and deposition aid cleared for application to growing crops is recommended.

**Mixing with Water to Form an Emulsion:** Add Pasturegard to 3/4 of the required amount of water and while agitating bring the spray mixture to the require volume. Add any surfactants or drift control agents to the mixture only after adding Pasturegard.

**Oil Mixture Sprays for Basal Treatment:** When preparing oil-based spray mixtures, use either diesel fuel, No. 1 or No. 2 fuel oil, kerosene or a commercially available basal oil. Substitute other oils or diluents only as recommended by the oil or diluent's manufacturer. When mixing with a basal oil or other oils or diluents, read and follow the use directions and precautions on the manufacturer's product label. Add Pasturegard to the required amount of oil in the spray tank or mixing tank and mix thoroughly. If the mixture stands over 4 hours, reagitation is required.

### **Cleaning Instructions for Spray Equipment**

To avoid injury to desirable plants, equipment used to apply Pasturegard should be thoroughly cleaned before reusing to apply any other chemicals.

1. Rinse and flush application equipment thoroughly after use. Flush the entire system at least three times with water, and dispose of rinse water in non-cropland area away from water supplies.

2. During the second rinse, add 1 qt of household ammonia for every 25 gallons of water. Circulate the solution through the entire system so that all internal surfaces are contacted (15 to 20 min.). Let the solution stand for several hours, preferable overnight.
3. Flush the solution out the spray tank through the boom.
4. Rinse the system twice with clean water, recirculating and draining each time.
5. Nozzles and screens should be removed separately.

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### **Terms and Conditions of Use**

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If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitations of Remedies.

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### **Warranty Disclaimer**

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Dow AgroSciences warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. Dow AgroSciences MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

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### **Inherent Risks of Use**

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It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Dow AgroSciences or the seller. All such risks shall be assumed by buyer.

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### **Limitation of Remedies**

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The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories) shall be limited to, at Dow AgroSciences' election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used

Dow AgroSciences shall not be liable for losses or damages resulting from handling or use of this product unless Dow AgroSciences is promptly notified of such loss or damage in writing. In no case shall Dow AgroSciences be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer, Inherent Risks of Us and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Dow AgroSciences or the seller is authorized to vary or exceed the terms of the "Warranty Disclaimer" or this "Limitation of Remedies" in any manner.

\*Trademark of Dow AgroSciences LLC  
EPA accepted \_\_\_/\_\_\_/\_\_\_