

PM-25

Reg # 524-446

18 18

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-95



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number
235681

Application for Pesticide - Section I

| | | |
|---|--|--|
| 1. Company/Product Number 524-446 | 2. EPA Product Manager Robert J. Taylor | 3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name) Expedite® Broadleaf Herbicide 3-Way Amine | PM# 25 | |
| 5. Name and Address of Applicant (Include ZIP Code) Monsanto Company 700 14th Street, N.W., Suite 1100 Washington, DC 20005 <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"/> Final printed labels in response to Agency letter dated _____ |
| <input type="checkbox"/> Resubmission in response to Agency letter dated _____ | <input type="checkbox"/> "Me Too" Application. |
| <input checked="" type="checkbox"/> Notification - Explain below. | <input type="checkbox"/> Other - Explain below. |

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification of minor label changes to accomodate changes of distributor's label.

NOTIFICATION
APR 29 1996
NOTIFICATION
APR 29 1996

Section - III

| | | | | | |
|---|--|---|---------------------------|---|----------------------------------|
| 1. Material This Product Will Be Packaged In: | | | | 2. Type of Container | |
| Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No | Unit Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | <input type="checkbox"/> Metal | <input type="checkbox"/> Plastic |
| * Certification must be submitted | | If "Yes" Unit Packaging wgt. 1 gal, 750 ml | No. per container only | If "Yes" Package wgt | No. per container |
| 3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container | | 4. Size(s) Retail Container | | 5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product | |
| 6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled | | | | <input type="checkbox"/> Other _____ | |

Section - IV

| | | |
|---|---|---|
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.) | | |
| Name Dr. Russell P. Schneider | Title Agricultural Regulation Director | Telephone No. (Include Area Code) (202) 783-2460 |
| Certification 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. | | 6. Date Application Received (Stamped) |
| 2. Signature | 3. Title Registration Manager | |
| 4. Typed Name Lydia A. Suba | 5. Date Apr 23 / 96 | |

| AMENDMENTS TO US MONSANTO LABELS | |
|---|--|
| EXPEDITE 3-WAY BROADLEAF HERBICIDE 750 ML LABEL EPA Reg. No. 524-446 | |
| Correct | Si usted no entiende la etiqueta, busque a alguien alguien para que se la explique a usted en detalle. Corrected as requested by EPA letter dated 31-Mar-94 |
| Move | 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. From the "Agricultural Use Requirements" box to "Directions for Use" paragraph as requested by EPA letter dated 31-Mar-94 |
| Amend | Rate range represents 1.1 to 1.7 pounds acid equivalent or 2 to 3 gallons of product per acre. |
| Amend | INSTRUCTIONS FOR THE SETTING UP AND CALIBRATION OF THE NOMEX 700 COMPACT MARK II AND MINIPRO |
| Amend/Correct | Calibration Table for the Nomix 700 and Compact Mark II |
| Correct | Move from MiniPro Calibration table the statement: The flow rate through the equipment may not be adequate to apply the recommended rate at these walking speed and swath width combinations. |
| Amend | Calibration Table for Minipro |
| Amend | CALIBRATION INSTRUCTIONS FOR NOMEX 700 COMPACT MARK II AND MINIPRO |
| Correct | 1. Determine the proper flow rate setting required from the above Calibration guide. The flow rate setting required is where the swath width row intersects the Set-N-Spray column. For example, for a 24"30" swath width with the Nomix 700 Compact Mark II, settings between E1 to F1 E1 to F3 are recommended. |

3918
7

MEDLEY 750 ml Label-Text Approved by EPA 28-Mar-94 including WP Amendments notified in EPA Letter 18-Mar-94
Revised for Nomix 700

Produced: September 28, 1995

EXPEDITE®
BROADLEAF HERBICIDE
3-WAY AMINE by Monsanto
For selective control of broadleaf weeds.

Low Volatile formulation for Expedite® Application Equipment.

Complete Directions for Use

EPA Reg. No. 524-446

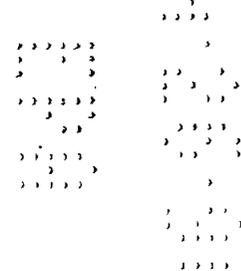
Covers from 2,900 to 4,300 square feet.

1996-1

875.15-000.28/53

MONSANTO COMPANY 1996

MONSANTO COMPANY
AGRICULTURAL PRODUCTS
ST. LOUIS, MISSOURI 63167 U.S.A.



4918

MEDLEY 750 ml Label-Text Approved by EPA 28-Mar-94 including WP Amendments notified in EPA Letter 18-Mar-94
Revised for Nomix 700

Produced: September 28, 1995

Read the entire label before using this product.

Use only according to label instructions.

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

REFORMULATION IS PROHIBITED. This container may be refilled with this product from 1 gallon containers specifically labeled for refilling. Follow refilling instructions on the side panel of the 1 gallon container.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)

Keep out of reach of children.

WARNING! **AVISO**

Si usted no entiende la etiqueta, busque a alguien ~~siguien~~ 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.)

Precautionary Statements:

Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Avoid contact with skin.

Personal Protective Equipment:

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water.

6918

Environmental Hazards

This product is toxic to aquatic invertebrates. Drift or run-off may adversely affect aquatic invertebrates and non target plants. 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 cleaning solutions.

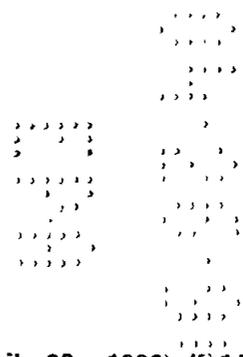
Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D and MCPP have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D and MCPP pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing and transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

ACTIVE INGREDIENTS:

| | |
|---|--------|
| * Dimethylamine salt of 2,4-dichlorophenoxyacetic acid | 4.7% |
| ** Dimethylamine salt of 2-(2-methyl-4-chlorophenoxy)propionic acid | 3.2% |
| *** Dimethylamine salt of dicamba(3,6-dichloro-o-anisic acid | 0.5% |
| INERT INGREDIENTS | 91.6% |
| | 100.0% |

Contains petroleum distillates.

- * 2,4-dichlorophenoxyacetic acid equivalent 0.3 pounds per U.S. gallon or 3.9%.
- ** 2-(2-methyl-4-chlorophenoxy) propionic acid equivalent 0.2 pounds per U.S. gallon or 2.6%.
- *** 3,6-dichloro-o-anisic acid equivalent of 0.03 pounds per U.S. gallon or 0.4%.



79 18

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any 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 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.~~

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 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, are:

- coveralls
- waterproof gloves
- shoes plus socks
- protective eyewear

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.

Do not reenter or permit people to reenter treated areas until sprays have dried.

8918
7

STORAGE AND DISPOSAL

Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

STORAGE:

Store this product between 32°F and 100°F in its original container and in a secured storage area.

DISPOSAL:

Wastes of this pesticide may cause eye irritation and may be dangerous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law and may contaminate groundwater. 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.

Emptied container retains vapor and product residue. Observe all labeled safeguards until container is destroyed.

When container is completely emptied through Expedite application equipment or can no longer be refilled, 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.

IMPORTANT PRECAUTIONS

This product is a selective postemergence broadleaf weed killer especially formulated for use through Expedite application equipment. It kills many broadleaf weeds found in coarse and fine turfgrass areas. Best results will be obtained from spring or early fall applications when weeds are actively growing.

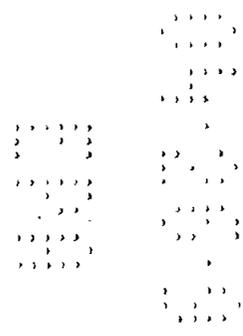
This product is recommended for commercial, industrial, residential and noncropland uses in areas such as airports, farmsteads, golf courses, highways and roadsides, industrial plant sites, institutional sites, municipalities, lawns, parks, playgrounds, pipeline, power, telephone and utility rights-of-way, schools and similar sites.

The following instructions apply to all uses of this product. Failure to observe these precautions may result in injury or damage.

- Apply this product only through Expedite application equipment. Equipment must be cleaned after each use and prior to storage. When cleaning equipment, do not pour the cleaning solution on the ground; spray or drain over a large area away from wells and other water sources.
- Do not contaminate water used for irrigation or domestic purposes.

9918

- Avoid spray contact or drift onto susceptible plants, as this product can injure flowers, shrubs, vegetable gardens, grapes, fruit trees and other desirable plants or crops. **AVOID USE OF THIS PRODUCT FOR WEED CONTROL IN FLOWER OR VEGETABLE BEDS OR AROUND ORNAMENTALS. DO NOT ALLOW THE SPRAY TO CONTACT THE ROOTS OF ORNAMENTALS AND TREES.**
- Applications near sensitive plants when air temperature on the day of application is expected to exceed 85°F, or during windy conditions, are more likely to cause drift and possible injury to desirable plants.
- Avoid spraying during long, excessively dry or hot periods unless adequate irrigation is available.
- Irrigation or rainfall within 24 hours after application may reduce weed control.
- *Do not spray on carpetgrass, dichondra lawns, or turfgrasses where desirable clovers are present.
- Grass seed can be safely sown 3 to 4 weeks after application at recommended rates.
- Do not apply to newly seeded turfgrass until well established or after several mowings.
- Applications to turfgrass emerging from dormancy may result in significant turf injury.
- Overlapping of spray swath may increase the potential for turfgrass injury with this product.



10918
y

WEEDS CONTROLLED

When applied as recommended under the conditions described, this product controls or suppresses many common annual, biennial, and perennial broadleaf weeds, some of which are listed below:

ANNUALS, BIENNIALS AND PERENNIALS

- | | |
|-------------------|-----------|
| Black medic | Knotweed |
| Catsear, spotted | Geranium |
| Clover | Plantains |
| Dandelion, common | Speedwell |

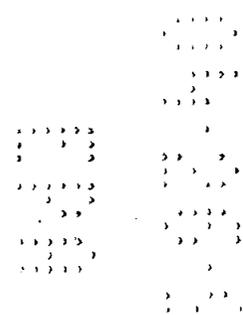
HOW TO APPLY

Apply this product as a uniform spray over the foliage of undesirable vegetation.

To select general flow rate settings for applying this product, use the Expedite Set-N-Spray settings listed in the following application guide. The letters followed by a number (A1...G5) represent equipment settings for flow rates within the application range recommended for this product. If calibration is desired to obtain equipment settings, see the "HOW TO CALIBRATE" section of this label.

A range of application rates are represented in the following application guide. Use the higher rate within the range on difficult-to-control species, perennials and mature weeds.

When the desired head setting is obtained, use the proper spinner and adjust the spinner speed to obtain the correct swath width and apply product at the desired walking speed. Keep lance head moving at desired ground speed during application to avoid over application and turf injury.



11918

INSTRUCTIONS FOR THE SETTING UP AND CALIBRATION
OF THE COMPACT MARK I

EXPEDITE BROADLEAF HERBICIDE 3-WAY AMINE
COMPACT MARK I APPLICATION GUIDE

SET-N-SPRAY SETTINGS

| SPINNER TYPE | SPRAY SWATH WIDTH | WALKING SPEED |
|------------------|-------------------|---------------|
| | | 2.25 MPH |
| Square Spinner | 18" | B4 to C2 |
| Serrated Spinner | 24" | C1 to D1 |
| Spinner | 30" | C4 to F5 |
| | 36" | D2 to G5 |

Rate range represents 1.1 to 1.7 pounds acid equivalent or 2 to 3 gallons of product per acre.



13 9 18

MEDLEY 750 ml Label-Text Approved by EPA 28-Mar-94 including WP Amendments notified in EPA Letter 18-Mar-94
Revised for Nomix 700

Produced: September 28, 1995

EXPEDITE BROADLEAF HERBICIDE 3-WAY AMINE
COMPACT MARK I CALIBRATION GUIDE

30 SECOND MULTI FLOW® MEASUREMENT*

| SPINNER TYPE | SPRAY SWATH WIDTH | WALKING SPEED |
|------------------|-------------------|---------------|
| | | 2.25 MPH |
| Square Spinner | 18" | 32 to 48 |
| | 24" | 42 to 63 |
| Serrated Spinner | 30" | 54 to 81 |
| | 36" | 64 to 95 |

Rate range represents 1.1 to 1.7 pounds acid equivalent or 2 to 3 gallons of product per acre.
*One Multi Flow equals 0.8 Milliliter.

14 9 18

INSTRUCTIONS FOR THE SETTING UP AND CALIBRATION
OF THE NOMIX 700/COMPACT MARK II AND MINIPRO

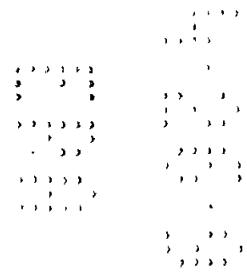
EXPEDITE® BROADLEAF HERBICIDE 3-WAY AMINE
NOMIX 700/COMPACT MARK II
SET-N-SPRAY SETTINGS AND CALIBRATION GUIDE

WALKING SPEED 1.1 YARDS/SEC (2.25 MPH)

| SPINNER TYPE SWATH | SPRAY WIDTH | CALIBRATION TIME |
|--------------------|-------------|------------------------------|
| | | 16 (secs) 11 |
| Square 18" Spinner | | C1 to E1 C4 to D4 |
| | 24" | E1 to F1 D2 to E5 |
| Serrated Spinner | 30" | F2 to G5 E1 to F3 |
| | 36" | F5 to *E5 to G1 |

Rate range represents 1.1 to 1.7 pounds acid equivalent or 2 to 3 gallons of product per acre.

* The flow rate through the equipment may not be adequate to apply the recommended rate at these walking speed and swath width combinations.



15 9 18

EXPEDITE® BROADLEAF HERBICIDE 3-WAY AMINE
MINIPRO SET-N-SPRAY SETTINGS AND CALIBRATION GUIDE

WALKING SPEED 1.1 YARDS/SEC (2.25 MPH)

| SPINNER TYPE | SPRAY SWATH WIDTH | CALIBRATION TIME |
|------------------|-------------------|------------------------------|
| | | 16 (secs) 11 |
| Square Spinner | 18" | C1 C5 to E1 |
| | 24" | E1 to F1 D4 to F4 |
| Serrated Spinner | 30" | E5 to F5 E4 to G5 |
| | 36" | F3 to G4 F4 to * |

Rate range represents 1.1 to 1.7 pounds acid equivalent or 2 to 3 gallons of product per acre.

* ~~The flow rate through the equipment may not be adequate to apply the recommended rate at these walking speed and swath width combinations.~~

16 g 18

**CALIBRATION INSTRUCTIONS FOR
NOMIX 700, COMPACT MARK II AND MINIPRO**

HOW TO CALIBRATE

1. Determine the proper flow rate setting required from the above Calibration guide. The flow rate setting required is where the swath width row intersects the Set-N-Spray column. For example, for a 24"30" swath width with the Nomix 700/Compact Mark II, settings between E1 to F1 ~~E1 to F3~~ are recommended.
2. Note the time required for calibration as shown above the required Flow Rate setting column. For example, for applying at the maximum rate, a calibration time of 11 seconds is required.
3. Before calibrating, the lance must be primed to remove trapped air. To prime the lance, set the Flow Rate control to G+ and depress the trigger until all air is removed from the lance. Priming must be done with the head of the lance held lower than the product container.
4. Remove the spinner and attach the Calibration Flow Cup.
5. Prime the Calibration Flow Cup by lowering the lance into the spraying position, depressing the trigger for 5 seconds. Raise the spray head to head level and depress the trigger to allow the product to flow back to the zero line of the Calibration Flow Cup.
6. Lower the lance head to the spraying position, depress the trigger for the required calibration time and check the measured volume matches the desired spray swath width line on the Calibration Flow Cup.
7. If the measured volume does not match the line, adjust the Flow Rate control up or down and repeat the process until the desired volume is obtained.
8. To remove the product from the Calibration Flow Cup, raise the spray head to head height and depress the trigger to allow the Calibration Flow Cup to empty. Do not allow air to reenter the lance. If air enters the lance, ie. the Flow Rate window empties, the lance must be reprimed.
9. When the desired flow rate is obtained, remove the Calibration Flow Cup and reattach the desired spinner and follow the instructions in the "HOW TO APPLY" section on how to spray this product.

17 9 18
7

CLEANING OF EQUIPMENT

The Expedite application equipment must be cleaned after each use and prior to storage. Use Expedite cleaner to remove residues of this product. To clean the lance, connect the lance to the cleaner box, set the head setting to G+ and let the cleaner flow until it runs clear. Disconnect the lance from the cleaner box and remove the remaining cleaner from the lance. Do not drain cleaner back into the box. Failure to properly clean the equipment may result in equipment failure or injury to subsequently treated desirable vegetation. After thorough cleaning, equipment may be used to apply other products, especially formulated for use in Expedite application equipment.

Wastes resulting from the use or cleaning of equipment that cannot be used or chemically reprocessed should be disposed of in accordance with applicable Federal, state or local procedures. See the "Storage and Disposal" and "Important Precautions" section of this label for more information.

LIMIT OF WARRANTY AND LIABILITY

This Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes set forth in the Complete Directions for Use ("Directions") when used in accordance with those Directions under the conditions described therein. NO OTHER EXPRESS WARRANTY OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY IS MADE. This warranty is also subject to the conditions and limitations stated herein.

Buyers and all users shall promptly notify this Company of any claims whether based in contract, negligence, strict liability, other tort or otherwise.

Buyer and all users are responsible for all loss or damage from use or handling which results from conditions beyond the control of this Company, including, but not limited to, incompatibility with products other than those set forth in the Directions, application to or contact with desirable vegetation, unusual weather, weather conditions which are outside the range considered normal at the application site and for the time period when the product is applied, as well as weather conditions which are outside the application ranges set forth in the Directions, application in any manner not explicitly set forth in the Directions, moisture conditions outside the moisture range specified in the Directions, or the presence of products other than those set forth in the Directions in or on the soil, crop or treated vegetation.

