

PM 25 524-446

Page File 1928



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

MAR 31 1994

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Dr. Russell P. Schneider  
MONSANTO CO.  
Agent for: MONSANTO AGRICULTURAL CO.  
700 14th Street, NW - Suite 1100  
Washington, DC 20005

Subject: Label Amendment Submission of 09/28/93 in Response to PR Notice 93-7  
EPA Reg. No. 524-446  
EXPEDITE BROADLEAF HERBICIDE 3-WAY AMINE

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

**WHAT THIS ACCEPTANCE MEANS:**

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

**WHAT YOU NEED TO DO NEXT:**

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable  
Printed with Soy/Canola Ink on paper that  
contains at least 50% recycled fiber

Page 2

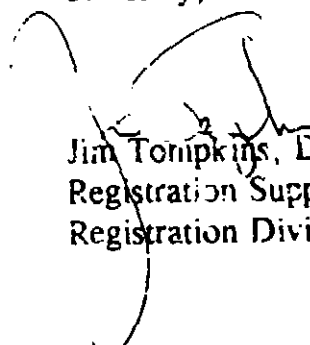
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs (7505C)  
U.S. Environmental Protection Agency  
401 M Street, SW  
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief  
Registration Support Branch  
Registration Division (7505W)

Attachment

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division

Dr Russell P Schneider  
MONSANTO CO  
AGENT FOR: MONSANTO AGRICULTURAL CO  
700 14TH ST, N.W. SUITE 1100  
WASHINGTON DC 20005

Comment for: EPA Reg Nr.524-446  
EXPEDITE BROADLEAF HERBICIDE 3-WAY AMINE

The following specific comments pertain to your WPS  
labeling submission concerning the product  
cited above:

EPA has determined that a "closed" mechanical transfer  
system is not required for 2,4,-D products. In the personal  
protective equipment section of your amended labeling, you  
may revise the statement to read as follows:

CONTAINERS GREATER THAN 1 GALLON BUT LESS THAN 5 GALLONS:  
"Mixers and loaders who do not use a mechanical system  
(probe and pump) to transfer the contents of this container  
must wear coveralls or a chemical-resistant apron in  
addition to the other required PPE."

Please conform with the special 2,4-D guidance issued by EPA  
on September 13, 1993 for adding WPS statements.

Delete the following statement from your proposed label; it  
is not required for formulations of this type: "Some  
materials that are chemical-resistant to this product are  
listed below. If you want more options, follow the  
instructions for category \_\_\_ on an EPA chemical resistance  
category selection chart."

User Safety Recommendations must either be placed in a box  
or printed on the label in a contrasting color from  
surrounding text.

The Agricultural Use Requirements section must be located in  
a clearly separate box on the product labeling -- with lines  
or other graphic indicators (such as contrasting color) to  
separate the section from the surrounding text.

Remove the statement "Do not apply this product in a way  
that will contact workers or other persons, either directly

MONSANTO CO

EPA Reg. Number: 521-446

EXPEDITE BROADLEAF HERBICIDE 3-WAY AMINE

Application date: 09/28/93

Resubmission

or through drift. Only protected handlers may be in the area during application." from its current position within the Agricultural Use Box and place it above the Agricultural Use Box.

Correct the typographical errors circled on your proposed label.

***Expedite® Broadleaf Herbicide 3-Way Amine***

**EPA Reg. No. 524-446**

**Labeling to comply with Worker Protection Standard**

**for**

**1-gallon container**

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

MAR 31 1994  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
524-446

**Monsanto Company  
1993**

**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 14,000 to 21,000 square feet.**

**™•Expedite is a trademark of, and used under license from, Nomix Plc.**

---

**1993-1**

**875.15-000.29/53**

---

**MONSANTO COMPANY 1993**

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

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 package may be used to refill 750 ml containers that are specifically labeled for refilling with this product. Follow refilling instructions on side panel of this 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 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.

~~When mixing, loading, or applying this product or repairing or cleaning equipment used with this product, wear eye protection (face shield or safety glasses), chemical resistant gloves, long sleeved shirt, long pants, socks and shoes.~~

~~Wash hands, face and arms with soap and water as soon as possible after mixing, loading, or applying this product. Wash hands, face and arms with soap and water before eating, smoking, or drinking. Wash hands and arms before using toilet. After work, remove all clothing and shower using soap and water. Do not reuse clothing worn during the previous day's mixing and loading or application of this product without cleaning first. Clothing must be kept and washed separately from other household laundry. Remove saturated clothing as soon as possible and shower.~~

#### Personal Protective Equipment

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

Applicators and other handlers must wear long-sleeved shirt and long pants, water proof gloves, shoes plus socks and protective eyewear.

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. After each day of use, clothing or PPE must not be reused until it has been cleaned.

#### **User Safety Recommendation:**

Users should:

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

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.

#### **FIRST AID:**

IF IN EYES, hold eyelids open and flush with steady gentle stream of water for 15 minutes.

IF SWALLOWED, drink promptly a large quantity of milk, egg white, gelatin solution, or if these are not available, large quantities of water. Avoid alcohol.

IF ON SKIN, wash with plenty of soap and water.

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

In case of a human health emergency involving this product. Call Collect, day or night, (314) 694-4000.

#### **Environmental Hazards**

This product is toxic to aquatic invertebrates. Drift or run-off may adversely affect aquatic invertebrates and nontarget 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%.

**DIRECTIONS FOR USE**

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

---

### **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. Do not reuse container.

When container is completely emptied, 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 and 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.
- 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.

---

WEEDS CONTROLLED

---

12 of 28

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  
Catsear, spotted  
Clover  
Candelion, common

Knotweed  
Geranium  
Plantains  
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 equipment 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.

**EXPEDITE® BROADLEAF HERBICIDE 3-WAY AMINE  
APPLICATION GUIDE**

**SET-N-SPRAY SETTING**

---

SPINNER TYPE	SPRAY SWATH WIDTH	<u>WALKING SPEED</u>	
		1.5 MPH	2.25 MPH
Square Spinner	12"	A3 to A5	A5 to B2
	18"	A5 to B2	B2 to B4
Serrated	24"	B2 to B4	B4 to C1

---

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

#### HOW TO CALIBRATE

1. Determine the proper Multi Flow units required from the following calibration guide. The number of Multi Flow units required is where the swath width row intersects the walking speed column. For example, for a 1.5 mph walking speed and a 12 inch swath width, 14 to 22 Multi Flow units are recommended.
2. Before calibrating, the lance must be primed to remove trapped air. To prime the lance, set the head setting 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 above the handle but below the level of the product container.
3. Remove the spray disc and attach the Expedite calibration flow cup.
4. For the initial calibration check, set the equipment within the range of Set-N-Spray settings listed in the application guide in the "HOW TO APPLY" section. Lower the lance head to the spraying position, depress the trigger for 30 seconds and compare the measured volume to the desired Multi Flow units.
5. If required, adjust the head setting and repeat the process until the desired Multi Flow units are obtained. To remove the product from the calibration cup, raise the lance above head level and depress the trigger long enough to allow the product to flow back into the lance. Do not allow air to reenter the lance. If air enters the lance, it must be reprimed.
6. When the desired head setting is obtained, remove the calibration cup and reattach the proper spinner and follow the instructions in the "HOW TO APPLY" section on how to spray this product.

**EXPEDITE® BROADLEAF HERBICIDE 3-WAY AMINE  
CALIBRATION GUIDE**

**30 SECOND MULTI FLOW™ MEASUREMENT**

SPINNER TYPE	SPRAY SWATH WIDTH	WALKING SPEED	
		1.5 MPH	2.25 MPH
Use Square Spinner	12"	14 TO 21	21 TO 32
	18"	21 TO 32	32 TO 48
Use Serrated Spinner	21"	28 TO 42	42 TO 63
	36"	42 TO 64	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.

™Multi Flow is a trademark of Nomix, Plc.

**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.

THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE LIMIT OF THE LIABILITY OF THIS COMPANY OR ANY OTHER SELLER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT (INCLUDING CLAIMS BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE) SHALL BE THE PURCHASE PRICE PAID BY THE USER OR BUYER FOR THE QUANTITY OF THIS PRODUCT INVOLVED, OR, AT THE ELECTION OF THIS COMPANY OR ANY OTHER SELLER, THE REPLACEMENT OF SUCH QUANTITY, OR, IF NOT ACQUIRED BY PURCHASE, REPLACEMENT OF SUCH QUANTITY. IN NO EVENT SHALL THIS COMPANY OR ANY OTHER SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES.

Buyer and all users are deemed to have accepted the terms of this LIMIT OF WARRANTY AND LIABILITY which may not be varied by any verbal or written agreement.

875.15-000.29/53

16 7 28

EPA Reg. No. 524-446

In case of a human health emergency involving this product, Call Collect, day or night, (314) 694-4000.

©MONSANTO COMPANY 1993

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



***Expedite® Broadleaf Herbicide 3-Way Amine***

**EPA Reg. No. 524-446**

**Labeling to comply with Worker Protection Standard**

**for**

**750 ml container**

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

March 31, 1993  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
524-446

**Monsanto Company  
1993**

18 9 28

**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.**

**™Expedite is a trademark of, and used under license from, Novix  
Pic.**

---

**1993-1**

---

**875.15-000.28/53**

---

**MONSANTO COMPANY 1993**

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

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 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

~~When mixing, loading, or applying this product or repairing or cleaning equipment used with this product, wear eye protection (face shield or safety glasses), chemical resistant gloves, long sleeved shirt, long pants, socks and shoes.~~

~~Wash hands, face and arms with soap and water as soon as possible after mixing, loading, or applying this product. Wash hands, face and arms with soap and water before eating, smoking or drinking. Wash hands and arms before using toilet. After work, remove all clothing and shower using soap and water. Do not reuse clothing worn during the previous day's mixing and loading or application of this product without clearing first. Clothing must be kept and washed separately from other household laundry. Remove saturated clothing as soon as possible and shower.~~

#### Personal Protective Equipment

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

Applicators and other handlers must wear long-sleeved shirt and long pants, water proof gloves, shoes plus socks and protective eye wear.

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. After each day of use, clothing or PPE must not be reused until it has been cleaned.

---

**User Safety Recommendation:**

Users should:

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

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.

---

**FIRST AID:**

IF IN EYES, hold eyelids open and flush with steady gentle stream of water for 15 minutes.

IF SWALLOWED, drink promptly a large quantity of milk, egg white, gelatin solution, or if these are not available, large quantities of water. Avoid alcohol.

IF ON SKIN, wash with plenty of soap and water.

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

---

In case of a human health emergency involving this product, Call Collect, day or night, (314) 694-4000.

---

**Environmental Hazards**

---

This product is toxic to aquatic invertebrates. Drift or run-off may adversely affect aquatic invertebrates and nontarget 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%.

**DIRECTIONS FOR USE**

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

### **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 Expendite 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.
- 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.

---

WEEDS CONTROLLED

---

24 7 28

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  
Catsear, spotted  
Clover  
Dandelion, common

Knotweed  
Geranium  
Plantains  
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.

**EXPEDITE BROADLEAF HERBICIDE 3-WAY AMINE  
APPLICATION GUIDE**

**SET-N-SPRAY SETTING**

SPINNER TYPE	SPRAY SWATH WIDTH	<u>WALKING SPEED</u>			
		1.5 MPH		2.25 MPH	
Square Spinner	12"	A3 to	B2	B2 to	B5
	18"	B2 to	B5	B5 to	C4
Serrated Spinner	24"	B4 to	C3	C3 to	D3
	36"	C3 to	D3	D3 to	F3



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

#### HOW TO CALIBRATE

1. Determine the proper Multi Flow units required from the following calibration guide. The number of Multi Flow units required is where the swath width row intersects the walking speed column. For example, for a 1.5 mph walking speed and a 12 inch swath width, 14 to 22 Multi Flow units are recommended.
2. Before calibrating, the lance must be primed to remove trapped air. To prime the lance, set the head setting 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 slightly lower than the product container.
3. Remove the spray disc and attach the Expedite calibration flow cup.
4. For the initial calibration check, set the equipment within the range of Set-N-Spray settings listed in the application guide in the "HOW TO APPLY" section. Lower the lance head to the spraying position, depress the trigger for 30 seconds and compare the measured volume to the desired Multi Flow units.
5. If required, adjust the head setting and repeat the process until the desired Multi Flow units are obtained. To remove the product from the calibration cup, raise the lance head above the level of the product container and depress the trigger long enough to allow the product to flow back into the lance. Do not allow air to reenter the lance. If air enters the lance, it must be reprimed.
6. When the desired head setting is obtained, remove the calibration cup and reattach the spinner and follow the instructions in the "HOW TO APPLY" section on how to spray this product.

#### EXPEDITE BROADLEAF HERBICIDE 3-WAY AMINE APPLICATION GUIDE

##### 30 SECONND MULTI FLOW™ MEASUREMENT

SPINNER TYPE	SPRAY SWATH WIDTH	WALKING SPEED	
		1.5 MPH	2.25 MPH
Use Square Spinner	12"	14 TO 21	21 TO 32
	18"	21 TO 32	32 TO 48
Use Round	24"	28 TO 42	42 TO 63

Spinner

36"

42 TO 64

64 TO 95

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

\*One Multi Flow equals 0.8 Milliliter.

<sup>TM</sup>Multi Flow is a trademark of Nomix, Plc.

---

#### 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.

THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE LIMIT OF THE LIABILITY OF THIS COMPANY OR ANY OTHER SELLER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT (INCLUDING CLAIMS BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE) SHALL BE THE PURCHASE PRICE PAID BY THE USER OR BUYER FOR THE QUANTITY OF THIS PRODUCT INVOLVED, OR, AT THE ELECTION OF THIS COMPANY OR ANY OTHER SELLER, THE REPLACEMENT OF SUCH QUANTITY, OR, IF NOT ACQUIRED BY PURCHASE, REPLACEMENT OF SUCH QUANTITY. IN NO EVENT SHALL THIS COMPANY OR ANY OTHER SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES.

Buyer and all users are deemed to have accepted the terms of this LIMIT OF WARRANTY AND LIABILITY which may not be varied by any verbal or written agreement.

875.15-000.28/53

28 7 28

EPA Reg. No. 524-446

In case of a human health emergency involving this product, Call Collect, day or night, (314) 694-4000.

©MONSANTO COMPANY 1993

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