

23 APR 1992

Ms. Jackie DiMaggio  
 Valent U.S.A. Corporation  
 1535 N. Calif. Blvd.  
 Suite 600  
 Walnut Creek, CA. 94596-8025

Dear Ms. DiMaggio:

Subject: Select 2 EC Herbicide  
 EPA Registration No. 59639-3  
 Re: Label Amendment (Adding Use By Air)  
 Your Submission Dated March 27, 1992

The amendment to permit aerial application of the subject pesticide product on Supplement labeling is acceptable under section 3(c)(7)(A) of Federal Insecticide Fungicide and Rodenticide Act (FIFRA) as amended provide that you:

1. Submit the five (5) non-target aquatic plant growth studies: (1) *Lemnagibba*, (2) *Seleneastrum capricornutum*, (3) *Skeletonema costatum*, (4) *Amphibaena flus-aquae*, (5) freshwater diatom.
2. Submit a revised compound-specific analytical method. The revised compound-specific analytical method must be validated by an independent laboratory. See Registration Notice dated 1/28/92.
3. Submit five (5) copies of your final printed labeling before releasing the product for shipment.

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

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

**BEST AVAILABLE COPY**

CONCURRENCES

SYMBOL	H-75050						
SURNAME	Metcalf						
DATE	4/22/92						

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Please note. we acknowledge receipt of the non-target  
aquatic plant growth studies on October 10, 1991.

Sincerely

Joanne L. Miller  
Product Manager (23)  
Fungicide-Herbicide Branch  
Registration Division (H-7505L)

Enclosure

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Copy A:    **Air Application**

Use a minimum of 3 gals. of spray solution per acre. Increase spray volumes up to 10 gals. as grass or crop foliage becomes dense.

Copy B:    For ground or air application, add a crop oil concentrate containing at least 15% emulsifier at 1% v/v to the finished spray volume.

Copy C:

**AVOID SPRAY DRIFT**

Do not allow spray from ground or aerial equipment to drift onto adjacent land or crops. When drift may be a problem, do everything possible to reduce spray drift, including:

- Do not spray if wind speeds are or become excessive. Do not spray if wind speed is 10 MPH or greater. If sensitive crops or plants are downwind, extreme caution must be used under all conditions. Do not spray if winds are gusty.
- Use extreme caution when conditions are favorable for drift (high temperatures, drought, low relative humidity), especially when sensitive plants are located nearby.
- Do not apply when a temperature inversion exists. If inversion conditions are suspected, consult with local weather services before making an application.
- Further reductions in drift can be obtained by:

1. Using large droplet size sprays. Do not use nozzles that produce small droplets. Orient nozzles downward and slightly backward as needed to reduce drift for ground applications.
2. Orienting nozzles straight back with the windstream, using straight stream orifices for aerial applications. Use the lowest number of nozzles practical with the largest possible orifice size to obtain the minimum 3 GPA volume. Application height and boom length should be set according to manufacturer's instructions to minimize drift.
3. Increasing the volume of spray mixture (for example a minimum of 10 GPA for ground applications) by using higher flow rate nozzles. Using lower pressure with the appropriate nozzle to obtain higher volumes will also reduce drift.
4. Apply as close to target plants as practical while maintaining a good spray pattern for adequate coverage.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

23 APR 1992

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

29639-3

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# SELECT

## 2 EC HERBICIDE

Active Ingredient By Wt.  
\*Clethodim 25%  
Inert Ingredients 75%  
Contains Petroleum Distillates  
\*(E)-2-[1-[[[3-chloro-2-propenyl]oxy]imino]propyl]-5-[2-  
[ethylthiolpropyl]-3-hydroxy-2-cyclohexen-1-one  
Contains 2.0 lbs. clethodim per gal.  
U.S. Pat. No. 4,440,566

### KEEP OUT OF REACH OF CHILDREN

### WARNING

SEE BACK PANEL FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS

PRECAUCION AL USUARIO: Si usted no lee ingles, no use  
este producto hasta que la etiqueta le haya sido explicada  
ampliamente.

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS WARNING

Causes eye irritation. Do not get in eyes or on clothing. Wear goggles, chemical-resistant gloves, long-sleeved shirt, long-legged pants, shoes and socks. Harmful if swallowed or inhaled. Avoid breathing vapors or spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

#### STATEMENT OF PRACTICAL TREATMENT

In case of eye contact, flush eyes immediately with fresh water for 15 minutes. If swallowed, give water or milk to drink and telephone for medical advice. DO NOT make person vomit unless directed to do so by medical personnel. If medical advice cannot be obtained, then take person and product container to the nearest medical emergency treatment center or hospital. If on skin, wash with plenty of soap and water. If inhaled, remove person from exposure area.

Note to Physicians: Emergency Information — call 1-800-457-2022 or 1-800-424-9300. This product contains a light petroleum solvent, and an aspiration hazard may exist.

#### ENVIRONMENTAL HAZARDS

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 apply where runoff is likely to occur. Do not apply where weather conditions favor drift from areas treated.

Prohibited for use in these counties to avoid non-target injury to the endangered grass species of:

Solano Grass — (California) Colusa, Contra Costa, Fresno, Glenn, Madera, Merced, San Joaquin, Solano, Stanislaus and Tehama counties.

Wild Rice — (Texas) Hays County.

#### PHYSICAL OR CHEMICAL HAZARDS

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.

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### READ ENTIRE LABEL ANCE WITH PRE AND WITH APPLIC

Keep all unprotected areas covered so there may be drift. Do not enter treated areas until dried. Certain states may require State Department. Written or oral warning of potential exposure must be given in treated areas or on

#### GENERAL INFORMATION

Do not apply this product

Do not apply by aircraft

SELECT is a selective herbicide

and perennial grass weeds

sedges or broadleaves.

Do not allow SELECT to be applied

as corn, rice, sorghum, or

crops will be injured.

Minor leaf spotting may occur

environmental conditions.

#### Control Symptoms

Treated grass weeds

chlorotic/necrotic

collapse of the roots

in 7 to 14 days depending

conditions.

### APPLICATION INFORMATION

#### Timing of Applications

Apply SELECT postemergence to actively growing grasses according to rate table recommendations. Applications made to grass plants stressed by insufficient moisture or cold temperatures, or to grass plants exceeding recommended growth stages may result in unsatisfactory control. Do not apply under these conditions.

In arid regions where irrigation is used to supplement limited rainfall, SELECT should be applied as soon as possible after an irrigation (within 7 days). In arid regions, a second application of SELECT will generally provide more effective control of perennial grass weeds than a single application. Make second application to actively growing grass 2 to 3 weeks after emergence of new growth.

Cultivation of treated grasses 7 days prior to or within 7 days after application of SELECT may reduce weed control. DO NOT APPLY SELECT if rainfall is expected within one hour, since control may be reduced.

#### Ground Application

Use of sufficient spray volumes and pressure is essential to ensure complete coverage. Use a minimum of 10 gals. and a maximum of 40 gals. of spray solution per acre. Spray pressures should reflect a minimum of 20 psi and a maximum of 60 psi at the nozzle. Do not use flood nozzles.

#### Spot Treatment

When using hand sprayers or high volume sprayers utilizing hand guns, mix 1% SELECT and 1% non-phytotoxic crop oil concentrate according to amounts shown in the table below. Treat to wet vegetation, while not allowing runoff of spray solution.

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### RECOMMENDATIONS COTTON

#### Region A & B

- Apply only to actively growing cotton.
- Apply when the first square reaches the pink stage.
- Always add a non-phytotoxic crop oil concentrate (petroleum based) to the spray.
- Do not exceed a rate of 1 qt. per acre.

#### GRASS SPECIES

Seedling  
Johnsongrass  
Shattercane  
Volunteer Corn  
Wild Oats  
Wild Proso Millet  
Witchgrass  
Woolly Cupgrass  
Barnyardgrass

Broadleaf  
Signalgrass  
Crabgrass  
Large  
Smooth  
Southern  
Crowfootgrass

SELECT/Oil To Be Added		
Desired Spray Vol. Gal.	SELECT Fl. Oz.	Oil Conc. Fl. Oz.
3	2	4
25	16	32
50	32	64
100	64	128

#### Addition of Crop Oil Concentrate

For ground application, add a non-phytotoxic crop oil concentrate (petroleum based) containing at least 15% emulsifier, at a rate of 1 qt. per acre to the finished spray volume.

Annual and perennial grass weed control for cotton and soybeans

#### Region A

Washington, Oregon, Idaho, Montana, Wyoming, North Dakota, South Dakota, Nebraska, Kansas, Minnesota, Iowa, Missouri, Arkansas, Louisiana, Wisconsin, Illinois, Tennessee, Mississippi, Indiana, Kentucky, Ohio, Georgia, Florida, Alabama, South Carolina, North Carolina, Virginia, West Virginia, Maryland, Delaware, Pennsylvania, New Jersey, New York, Connecticut, Massachusetts, Vermont, New Hampshire, Maine, Rhode Island, Michigan, Washington D.C., Oklahoma and Texas East of Interstate 35.

#### Region B

Arizona, California, Colorado, Nevada, New Mexico, Utah, Oklahoma and Texas West of Interstate 35.

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GRASS SPECIES (continued)		WEED* HEIGHT INCHES	1/RATE FL. OZ. ACRE	2/ HIGH RATE
Fall Panicum	Panicum			
	dichotomiflorum	2-6	6	8
Field Sandbur	Cenchrus incertus	2-6	6	8
Foxtail				
Giant	Setaria faberii	2-8	6	8
Green	Setaria viridis	2-6	6	8
Yellow	Setaria lutescens	2-8	6	8
Goosegrass	Elymus indica	2-6**	6	8
Itchgrass	Rottboellia exaltata	2-6	6	8
Jungleice	Echinochloa			
	colonum	2-6	6	8
Red Sprangletop	Leptochloa			
	hiformis	2-6	6	8
Red Rice	Oryza sativa	1-3	6	8
Southwestern	Eriochloa			
Cupgrass	gracilis	2-6	6	8
Texas Panicum	Panicum texanum	2-6	6	8
Volunteer Cereals				
Barley	Hordeum vulgare	2-6	6	8
Oats	Avena sativa	2-6	6	8
Rye	Secale cereale	2-6	6	8
Wheat	Triticum aestivum	2-6	6	8

\* Generally occurs between 3-leaf stage and tillering

\*\*Length of lateral growth

1/ Apply under favorable soil moisture and humidity which exists within a few days after rainfall or within 7 days after irrigation. Apply at weed height as indicated on the label

2/ Use the high rate under heavy grass pressure and/or when grasses are at maximum height

## RECOMMENDATIONS FOR PERENNIAL GRASSES IN SOYBEANS AND COTTON

### Region A

- Apply only to actively growing grasses at recommended weed heights
- Apply when the first grass weed species in a mixed grass weed population reaches the recommended growth stage for treatment
- Always add a non-phytotoxic crop oil concentrate (petroleum based) to the spray tank at 1 qt./acre by ground equipment
- Do not exceed a total of 32 fl. oz./acre (0.5 lb. ai) per season

### GRASS SPECIES

		WEED* HEIGHT INCHES	1/RATE FL. OZ. ACRE	2/ HIGH RATE
Rhizome	Sorghum			
Johnsongrass	halapense	12-24	8	10
First Application				
Repeat Application(s)		6-10	6	8
(if regrowth occurs)				
Bermudagrass	Cynodon dactylon			
First Application		3 (or up to 6" runners)	8	16
Repeat Application(s)		3 (or up to 6" runners)	8	16
(if regrowth occurs)				
Quackgrass	Agropyron repens			
First Application		4-8	8	16
Repeat Application(s)		4-8	8	16
(if regrowth occurs)				

\* Generally occurs between 3-leaf stage and tillering

1/ Apply under favorable soil moisture and humidity which exists within

a few days after rainfall or within 7 days height as indicated on the label.  
2/ Use the high rate under heavy grass pressure at maximum height

## RECOMMENDATIONS FOR PERENNIAL COTTON

### Region B

- Apply only to actively growing grasses
- Apply when the first grass weed species reaches the recommended growth stage for treatment
- Always add a non-phytotoxic crop oil concentrate to the spray tank at 1 qt./acre by ground equipment
- Do not exceed a total of 32 fl. oz./acre

### GRASS SPECIES

Rhizome	Sorghum
Johnsongrass	halapense
First Application	
Repeat Application(s)	
(if regrowth occurs)	
Bermudagrass	Cynodon dactylon
First Application	
Repeat Application(s)	
(if regrowth occurs)	

\* Generally occurs between 3-leaf stage and tillering

1/ Apply under favorable soil moisture and humidity which exists within a few days after rainfall or within 7 days after irrigation. Apply at weed height as indicated on the label

2/ Use the high rate under heavy grass pressure and/or when grasses are at maximum height

### RESTRICTIONS AND LIMITATIONS

- Do not graze treated fields or feed treated forage or hay to livestock
- Do not apply if rain is expected within 1 hour of application as control may be unsatisfactory
- Do not tank mix SELECT with any pesticide or fertilizer not specified on this label
- Do not apply a postemergence broadleaf herbicide within one day following application of SELECT or reduced grass control may result
- Do not apply SELECT within 60 days of harvest
- Do not apply more than 32 fl. oz. or (0.5 lb. ai) per acre per season
- Do not apply under conditions of stress
- Grass crops such as corn, sorghum, wheat, rice, etc. are highly sensitive to SELECT

Do not apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption

## STORAGE AND DISPOSAL

### PROHIBITIONS

- Do not contaminate water, food or feed by storage, disposal or cleaning of equipment
- Open dumping is prohibited

### STORAGE

- Keep pesticide in original container
- Do not put concentrate or dilute into food or drink containers
- Store in cool, dry place
- Do not store diluted spray

Emergency Response: For help with any spill, leak, fire or exposure involving this material, call day or night 1-800-457-2022 or 1-800-424-9300

### PESTICIDE 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)
- Do not reuse container. Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke

**IMPORTANT INFORMATION. READ BEFORE LIMITED WARRANTY:** Valent U.S.A. Corporation conforms to the chemical description for use under average conditions with the directions on the labeling. Valent any agent or representative to make, an representation, express or implied, concerning NO IMPLIED WARRANTY OF MERCHANTABILITY OR PARTICULAR PURPOSE IS MADE.  
2. Critical and unforeseeable factors beyond eliminating all risks in connection with risks include, but are not limited to, damage product is applied, lack of complete conformation of this product, and damage to crops. Such risks occur even though the average conditions for the uses stated on label directions are followed. Buyer and all risks and liability (except those arising from handling, storage, and use) 3. Precautions stated on the labeling show exposure to the product

Manufactured for  
Valent U.S.A. Corporation © 1992  
Valent Creek CA 94598-8025  
RForm 383-A Made in U.S.A.  
EPA Reg. No. 59839-3  
EPA Est. 239-MO-1

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