

US ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF PESTICIDES PROGRAMS  
REGISTRATION DIVISION (75-767)  
WASHINGTON, DC 20460

EPA REGISTRATION NO.

59639-78

DATE OF ISSUANCE

21 JUL 1993

**NOTICE OF PESTICIDE:**

☒ REGISTRATION  
☐ REREGISTRATION

(Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended)

TERM OF ISSUANCE

Conditional EXPIRES: January 23, 1994

NAME OF PESTICIDE PRODUCT

Select Herbicide

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Valent U.S.A. Corporation  
1333 N. California Blvd., Suite 600  
Walnut Creek, CA 94596-8025

**NOTE:** Changes in labeling formula 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 U.S. 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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this 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 data required to change this registration to an unconditional FIFRA sec. 3(c)(5) registration. Refer to the registration Notice of Select 2EC Herbicide, EPA Registration No. 59639-3, for the required data.

2. Make the labeling changes listed below before you release the product for shipment:

a. Add the phrase "EPA Registration No. 59639-78."

b. At the end of the Environmental Hazards section, add the statement "Do not contaminate water when disposing of equipment washwater or rinsate."

c. Within the rate chart for Recommendations for Annual Grasses on page 6, change the high rate for Volunteer Cereals (Barley, Oats, Rye, Wheat) from 34 fluid ounces to 17 fluid ounces per acre.

☐ ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

21 JUL 1993

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

2 826

d. Within the rate chart for Recommendations for Perennial Grasses on page 22, change the rate for Repeat Applications for Rhizome Johnsongrass to 8 fluid ounces per acre for the normal rate and 17 fluid ounces per acre for the high rate.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

4. This acceptance of your label does not relieve you of any obligation to comply with the Worker Protection Standard (WPS). Under the WPS labeling regulations at 40 CFR part 156, subpart K, § 156.200(c)(3), you are prohibited from distributing or selling any product within the scope of the WPS requirements after April 21, 1994, without amended labeling accepted by the Agency.

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

A stamped copy is enclosed for your records.

Joanne I. Miller  
Product Manager (23)  
Fungicide-Herbicide Branch  
Registration Division (H7505C)

Enclosures

CONCURRENCES							
SYMBOL	H7505C						
SURNAME	D KENNY						
DATE	7/19/93						



**SELECT**  
HERBICIDE

Active Ingredient	By Wt.
*Clethodim	12.6 %
Inert Ingredients	87.4 %
Contains Petroleum Distillates	
*(E)-2[1-[[[3-chloro-2-propenyl]oxy]imino]propyl]-5-[2-(ethythiopropyl)-3-hydroxy-2-cyclohexen-1-one]	

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

21 JUL 1993

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

59639-78

Contains 0.94 lbs. clethodim per gal.

U.S. Pat. No. 4,440,566

**KEEP OUT OF REACH OF CHILDREN**

## WARNING - AVISO

SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

PRECAUCION AL USUARIO: 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.)

NET CONTENTS 1 GALLON

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS & DOMESTIC ANIMALS

#### WARNING

Causes substantial but temporary eye injury. Causes skin irritation. Harmful if swallowed or inhaled.

Do not get in eyes, on skin, or on clothing. Avoid breathing vapors or spray mist.

Wear goggles, chemical-resistant gloves, long-sleeved shirt, long-legged pants, shoes and socks. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.

**STATEMENT OF PRACTICAL TREATMENT**

- If in eyes: Flush with plenty of water. Get medical attention.
- If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.
- 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 inhaled: Remove person from exposure area.

**Note to Physicians:** Emergency Information - call 1-800-892-0099.

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.

The use of this product may pose a hazard to the federally designated endangered species of Solano Grass and Wild Rice. Use of this product is prohibited in the following areas where the species are known to exist:

**Solano Grass:** Solano County, California: the vernal lakes area bounded by the Union Pacific Railroad and Hastings Road to the north, Highway 113 to the east, Highway 12 to the south, and Travis Air Force Base to the west.

**Wild Rice:** Hays County, Texas.

**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.

**READ ENTIRE LABEL AND PAMPHLET. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

## REENTRY STATEMENT

Keep all unprotected persons out of operating areas, or vicinity where there may be drift. Do not enter treated areas without protective clothing until sprays have dried. Certain states may require more restrictive reentry intervals; consult your State Department of Agriculture for further information. Written or oral warnings regarding use of protective clothing and accidental exposure must be given to workers who are expected to be in treated areas or on areas about to be treated.

## GENERAL INFORMATION

**Do not apply this product through any type of irrigation system.**

**FOR USE ON:** Soybeans (Except CA), Cotton, Ornamentals

SELECT is a selective postemergence herbicide for control of annual and perennial grasses. SELECT does not control sedges or broadleaf weeds.

Do not allow SELECT to come in contact with desirable grass crops such as corn, rice, sorghum, small grains, or turf, as these and other grass crops will be injured or killed. Minor leaf spotting may occur on treated plants under certain environmental conditions. New foliage is not affected.

### Control Symptoms

Treated grass weeds show a reduction in vigor and growth. Early chlorosis/necrosis of younger plant tissue is followed by a progressive collapse of the remaining foliage. Symptoms will generally be observed in 7 to 14 days depending on grass species treated and environmental 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.

**ADDITION OF ADJUVANT OR CROP OIL CONCENTRATE**

**CROP**

**ADJUVANT RECOMMENDATIONS**

<b>COTTON AND SOYBEANS</b>	Always use a crop oil concentrate containing at least 15% emulsifier at 1% v/v to the finished spray volume.
<b>ORNAMENTAL PLANTS</b>	Add VALENT X-77 Spreader (non-ionic surfactant) or other quality non-ionic surfactant (containing at least 80% active ingredient) at the rate of 1 pt. per 50 gals. (0.25% v/v). Use of crop oil concentrate is not recommended since it may injure flowers and foliage.

**Ground Application**

Use of sufficient spray volumes and pressure is essential to ensure complete coverage. Use a minimum of 5 gals. and a maximum of 40 gals. of spray solution per acre. Spray pressures should reflect a minimum of 30 psi and a maximum of 60 psi at the nozzle. Do not use flood nozzles.

**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.

**Spot Treatment**

When using hand sprayers or high volume sprayers utilizing hand guns, mix ½% SELECT Herbicide and 1% crop oil concentrate according to amounts shown in the table below. Treat to wet vegetation, while not allowing runoff of spray solution.

**SELECT/Oil To Be Added**

<b>Desired Spray Vol. Gal.</b>	<b>SELECT Herbicide Fl. Oz.</b>	<b>Oil Conc. Fl. Oz.</b>
3	2	4
25	16	32
50	32	64
100	64	128

## ANNUAL AND PERENNIAL GRASS WEED CONTROL

### 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., and east of Interstate 35 in Oklahoma and Texas.

### Region B

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

## RECOMMENDATIONS FOR ANNUAL GRASSES

### Region A & B

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

GRASS SPECIES		WEED* HEIGHT INCHES	RATE FL. OZ. ACRE	HIGH RATE
Seedling Johnsongrass	Sorghum halepense	4-10	13	17
Shattercane	Sorghum bicolor	4-10	13	17
Volunteer Corn	Zea mays	4-12	8	13
Volunteer Corn	Zea mays	12-18	13	17
Wild Oats	Avena fatua	2-6	13	17
Wild Proso Millet	Panicum miliaceum	2-8	13	17
Witchgrass	Panicum capillare	2-6	13	17
Woolly Cupgrass	Eriochloa villosa	2-6	13	17
Barnyardgrass	Echinochloa crusgalli	2-6	13	17
Broadleaf Signalgrass	Brachiaria platyphylla	2-6	13	17
Crabgrass				
Large	Digitaria sanguinalis	2-6**	13	17
Smooth	Digitaria ischaemum	2-6**	13	17
Southern	Digitaria ciliaris	2-6**	13	17

GRASS SPECIES (con't)		WEED* HEIGHT INCHES	RATE FL. OZ. ACRE	HIGH RATE
Crowfootgrass	Dactyloctenium aegyptium	2-6**	13	17
Fall Panicum	Panicum dichotomiflorum	2-6	13	17
Field Sandbur	Cenchrus incertus	2-6	13	17
Foxtail				
Giant	Setaria faberi	2-12	13	17
Green	Setaria viridis	2-6	13	17
Yellow	Setaria glauca	2-6	13	17
Goosegrass	Eleusine indica	2-6**	13	17
Itchgrass	Rottboellia exaltata	2-6	13	17
Junglerice	Echinochloa colona	2-6	13	17
Red Rice	Oryza sativa	1-3	13	17
Southwestern Cupgrass	Eriochloa gracilis	2-6	13	17
Sprangle top				
Amazon	Leptochloa panicoides	2-6	13	17
Bearded	Leptochloa fascicularis	2-6	13	17
Red	Leptochloa filiformis	2-6	13	17
Texas Panicum	Panicum texanum	2-6	17	17
Volunteer Cereals				
Barley	Hordeum vulgare	2-6	13	<del>34</del> 17
Oats	Avena sativa	2-6	13	<del>34</del> 17
Rye	Secale cereale	2-6	13	<del>34</del> 17
Wheat	Triticum aestivum	2-6	13	<del>34</del> 17

\* Generally occurs between 3-leaf stage and tillering.

\*\* Length of lateral growth.



**RECOMMENDATIONS FOR ANNUAL BLUEGRASS CONTROL  
WITH SELECT HERBICIDE**

GRASS SPECIES	WEED STAGE	RATE FL. OZ. ACRE	HIGH RATE
Annual Bluegrass (Poa annua)	to 4-Leaf	13	34

Apply under favorable soil moisture and humidity which exists within a few days after rainfall or within 7 days after irrigation. Grass needs to be actively growing at time of application(s).

Apply at weed stage indicated on the label, as reduced control can be expected with more mature annual bluegrass.

Use the high rate under heavy grass pressure and / or when annual bluegrass is more mature.

Always add a crop oil concentrate containing at least 15% emulsifier at 1% v/v to the finished spray volume.

## RECOMMENDATIONS FOR PERENNIAL GRASSES

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

GRASS SPECIES	WEED HEIGHT INCHES	RATE FL. OZ. ACRE	HIGH RATE
<hr/>			
Rhizome Johnsongrass (Sorghum halepense)			
First Application	12-24	17	34
Repeat Application(s) (if regrowth occurs)	6-10	13	17
Bermudagrass (Cynodon dactylon)			
First Application	3 (or up to 6" runners)	17	34
Repeat Application(s) (if regrowth occurs)	3 (or up to 6" runners)	17	34
Quackgrass (Agropyron repens)			
First Application	4-8	17	34
Repeat Application(s) (if regrowth occurs)	4-8	17	34
Wirestem Muhly (Muhlenbergia frondisa)			
First Application	4-8	17	34
Repeat Application(s) (if regrowth occurs)	4-8	17	34

---

## RECOMMENDATIONS FOR PERENNIAL GRASSES

### Region B

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

GRASS SPECIES	WEED HEIGHT INCHES	RATE FL. OZ. ACRE	HIGH RATE
<b>Rhizome Johnsongrass</b> ( <i>Sorghum halepense</i> )			
First Application	6-10	17	34
Repeat Application(s) (if regrowth occurs)	4-8	13	17
<b>Bermudagrass</b> ( <i>Cynodon dactylon</i> )			
First Application	3 (or up to 6" runners)	17	34
Repeat Application(s) (if regrowth occurs)	3 (or up to 6" runners)	17	34

## TANK MIXES

### TANK MIX APPLICATION OF SELECT HERBICIDE AND BROADLEAF HERBICIDES FOR CONTROL OF GRASSES AND BROADLEAF WEEDS IN SOYBEANS (EXCEPT CA)

#### GENERAL INFORMATION - REGIONS A AND B

The labels for each of the herbicides recommended for tank mixing with SELECT Herbicide are unique to the characteristics of those products and contain restrictions and limitations that may be more restrictive than the SELECT label in certain considerations. Those concerns may include, but are not limited to:

1. Geographic restrictions - all products are not registered for use in all areas and rates may vary from one region of labeled use to another;
2. Crop rotation restrictions;

3. Soil type or soil characteristics (e.g. pH, OM);
4. Maximum dosage or number of applications per season;
5. Rain free period required; or
6. Application timing (e.g. pre-harvest interval)

**THE MOST RESTRICTIVE LABELING OF ANY PRODUCT USED IN A TANK MIX MUST BE FOLLOWED.**

- Apply only to actively growing grass and broadleaf weeds at recommended height or growth stage listed on each label.
- Apply when the first grass or broadleaf weed species in a mixed population reaches the recommended height or growth stage for treatment.
- Apply under favorable soil moisture and humidity which exist a few days after rainfall or within seven days after irrigation.
- Always add a crop oil concentrate to the spray mix at the rate recommended for each specific tank mix combination in Table 1.
- Tank mix applications may sometimes result in reduced grass control and possible increases in crop injury as compared to either product used alone. If regrowth occurs, or an additional flush of new grass emerges, make a second application of SELECT Herbicide, as specified in the respective size and rate tables for Region A and Region B. **DO NOT EXCEED A TOTAL OF 68 FL. OZ./ACRE (0.5 LB.AI/A) OF SELECT HERBICIDE PER SEASON, WHETHER APPLIED ALONE OR IN TANK MIX APPLICATIONS.**
- Do not tank mix SELECT when broadleaf weeds are tall and/or dense enough to prevent proper grass coverage.
- Do not tank mix SELECT with SCEPTER® Herbicide.

**INFORMATION ON ANTAGONISM**

Tank mixes of SELECT with postemergence broadleaf herbicides have shown some reduction or failure to control certain grass species which would have otherwise been controlled when SELECT is applied alone. Activity of the postemergence broadleaf herbicide in the tank mix is not affected.

Table 1

**SELECT HERBICIDE TANK MIXES WITH BROADLEAF HERBICIDES FOR  
SOYBEANS - REGIONS A AND B  
(REFER TO THE REGION A AND REGION B RECOMMENDATION TABLES ABOVE  
FOR SPECIFIC GRASSES AND GROWTH STAGES)**

PRODUCT**	ANNUAL GRASSES	PERENNIAL GRASSES	APPLICATION RATES/ACRE*	
			CROP OIL CONC. (V/V)	
			GROUND	AIR
SELECT HERBICIDE + BASAGRAN® 4SL	17 to 21 fl. oz. + 1 to 2 pts.	21 to 34 fl. oz. + 1 to 2 pts.	1%	1%
SELECT HERBICIDE + BLAZER® 2SL	13 to 17 fl. oz. + 1 to 1.5 pts.	17 to 34 fl. oz. + 1 to 1.5 pts.	.5 to 1%	1%
SELECT HERBICIDE + CLASSIC® 25DG	17 to 21 fl. oz. + .5 to .75 oz.	21 to 34 fl. oz. + .5 to .75 oz.	1%	1%
SELECT HERBICIDE + COBRA®	13 to 17 fl. oz. + 12.5 oz.	17 to 34 fl. oz. + 12.5 oz.	.5 to 1%	1%
SELECT HERBICIDE + REFLEX® 2 LC	13 to 17 fl. oz. + .75 to 1.5 pts.	17 to 34 fl. oz. + .75 to 1.5 pts.	.5 to 1%	1%

\* If grass regrowth occurs or an additional flush of new grass emerges, make a second application of SELECT alone (without a tank mix herbicide), according to the appropriate size and rate recommendations for Region A or Region B.

\*\* Broadleaf weed control may be reduced when grass populations are tall enough or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. Tank mixing is not recommended in these situations.

14 7 26

**TANK MIX APPLICATION OF SELECT HERBICIDE AND INSECTICIDES .  
FOR CONTROL OF GRASS WEEDS AND INSECTS IN SOYBEANS  
(EXCEPT CA) AND COTTON**

**GENERAL INFORMATION - REGIONS A AND B**

The labels for each of the insecticides recommended for tank mixing with SELECT are unique to the characteristics of those products and contain restrictions and limitations that may be more restrictive than the SELECT label in certain considerations. Those concerns may include, but are not limited to:

1. Geographic restrictions - all products are not registered for use in all areas and rates may vary from one region of labeled use to another;
2. Applicator certification requirements;
3. Worker safety rules (e.g. protective clothing, reentry time, posting);
4. Maximum dosage or number of applications per season;
5. Rain free period required; or
6. Application timing (e.g. pre-harvest interval)

**THE MOST RESTRICTIVE LABELING OF ANY PRODUCT USED IN A TANK MIX MUST BE FOLLOWED.**

**DO NOT EXCEED A TOTAL OF 68 FL. OZ./ACRE (0.5 LB.AI/A) OF SELECT HERBICIDE PER SEASON, WHETHER APPLIED ALONE OR IN TANK MIX APPLICATIONS.**

**Table 2**

**SELECT HERBICIDE TANK MIXES WITH INSECTICIDES FOR SOYBEANS  
(EXCEPT CA) AND COTTON - REGIONS A AND B  
(REFER TO THE REGION A AND REGION B RECOMMENDATION TABLES  
ABOVE FOR SPECIFIC GRASSES AND GROWTH STAGES)**

<b>PRODUCT**</b>	<b>APPLICATION RATES/ACRE*</b>		
	<b>ANNUAL GRASSES</b>	<b>PERENNIAL GRASSES</b>	<b>CROP OIL CONC. (V/V)</b>
SELECT HERBICIDE + ORTHENE® 75 SP	13 to 17 fl. oz. + .33 to 1.33 lbs.	17 to 34 fl. oz. + .33 to 1.33 lbs.	1%
SELECT HERBICIDE + ORTHENE 90 S	13 to 17 fl. oz. + .25 to 1 lb.	17 to 34 fl. oz. + .25 to 1 lb.	1%

\* If grass regrowth occurs, or an additional flush of new grass emerges, make a second application of SELECT alone (without a tank mix insecticide) according to the appropriate size and rate recommendations for Region A or Region B.

\*\* Refer to insecticide label for rates and insects controlled.

### **RESTRICTIONS AND LIMITATIONS**

#### **GENERAL**

Do not apply if rain is expected within 1 hour of application as control may be unsatisfactory.

Do not apply a postemergence broadleaf herbicide within one day following application of SELECT or reduced grass control may result.

Do not apply more than 68 fl. oz. (0.5 lb. ai) per acre per season.

Do not apply under conditions of stress. Applying SELECT under conditions that do not promote active grass growth will reduce herbicide effectiveness. These conditions include drought, excessive water, extremes in temperature, and low humidity. Grasses under these kinds of stressful conditions will not absorb and translocate SELECT effectively, and will be less susceptible to herbicide activity.

Grass crops such as corn, sorghum, wheat, rice, etc. are highly sensitive to SELECT.

Always read and follow the restrictions and limitations for all products whether used alone or in a tank mix. The most restrictive labeling of any product used applies in tank mixtures, including all crop rotational and other crop restrictions.

Tank mixes of SELECT Herbicide and broadleaf herbicides may result in reduced grass control. If grass regrowth occurs an additional application of SELECT Herbicide may be necessary.

Do not tank mix with SCEPTER® Herbicide.

#### **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.



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.

#### **COTTON AND SOYBEANS**

Do not graze treated fields or feed treated forage or hay to livestock.

Do not apply SELECT within 60 days of harvest.

#### **ORNAMENTALS**

Sugar maples cannot be tapped for syrup within one year of SELECT application.

#### **DIRECTIONS FOR USE IN ORNAMENTALS**

##### **GENERAL INFORMATION**

SELECT Herbicide can be used to control labeled grass weeds in greenhouses, lathhouses, shadehouses, and around outdoor ornamentals, including nurseries, parks, Christmas or other tree farms, roadside plantings, and structure landscapes.

Apply SELECT Herbicide postemergence to actively growing grasses according to the rate table recommendations. Add VALENT X-77 Spreader (non-ionic surfactant) or other quality non-ionic surfactant (containing at least 80% active ingredient) at the rate of 1 pt. per 50 gals. (0.25% v/v). Use of crop oil concentrate is not recommended since it may injure flowers and foliage.

Use the higher recommended rate of SELECT under heavy grass pressure and/or when grasses are approaching their maximum treatment height (see rate table).

Do not apply more than 68 fl. oz. (0.5 lb. ai) of SELECT Herbicide per acre per season. Do not apply to grasses which have formed seed heads or are stressed.

#### **IMPORTANT**

SELECT successfully controls weeds in newly transplanted and established non-grassy ornamentals. Plant tolerance to SELECT at labeled rates has been found to be acceptable for the indicated genera and species listed in the tables. Due to variability within species, crop growth stage, environmental conditions, and application techniques, it is recommended that the user determine if herbicide can be used safely on a few plants prior to widespread application. Neither the seller nor the manufacturer of SELECT have investigated the safety factor to ornamental plants not listed on the label.

The following plants have shown a tolerance for SELECT Herbicide applications:

### NONBEARING FOOD CROPS

Non-bearing fruit and nut crops are plants which will not bear fruit or nuts for at least one year following SELECT application.

COMMON NAME	SCIENTIFIC NAME
APPLES	Malus sylvestris
CHERRIES	Prunus spp.
OLIVES	Olea spp.
ORANGES	Citrus sinensis
PEACHES	Prunus persica
PEARS	Pyrus communis
PECANS	Carya illinoensis
PISTACHIOS	Pistacia vera
PRUNES	Prunus domestica
STRAWBERRIES	Fragaria x ananassa

### ORNAMENTAL TREES

COMMON NAME	SCIENTIFIC NAME
BIRCH, WHITE	Betula papyrifera
DOGWOOD, FLOWERING	Cornus florida
FIR, DOUGLAS	Pseudotsuga menziesii
FIR, GRAND	Abies grandis
MAPLES	Acer spp.
OAKS	Quercus spp.
OLIVE, COMMON	Elaeagnus angustifolia
PINES	Pinus spp.
SWEET GUM	Liquidambar styraciflua

### GARDEN FLOWERS AND PLANTS

COMMON NAME	SCIENTIFIC NAME
AGERATUM	Ageratum spp.
ALYSSUM *	Lobularia maritima
ASPARAGUS FERN	Asparagus setaceus
CHRYSANTHEMUM	Chrysanthemum indicum

CINQUEFOIL	Potentilla spp.
COLEUS	Coleus spp.
CRANESBILL	Geranium spp.
CREEPING FIG	Ficus pumila
DAHLIA	Dahlia spp.
DAYLILY	Hemerocallis spp.
GAZANIA	Gazania spp.
GERANIUM	Pelargonium hortorum
IRIS	Iris spp.
JASMINE TOBACCO	Nicotiana glauca
MARIGOLD	Tagetes spp.
PARTRIDGEBERRY	Mitella dioica
PETUNIA *	Petunia hybrida
PHLOX	Phlox spp.
PINKS	Dianthus spp.
PORTULACA	Portulaca grandiflora
SALVIA	Salvia spp.
SAXIFRAGE, ROCKFOIL	Saxifraga spp.
SEDUM	Sedum spp.
SNAPDRAGON *	Antirrhinum majus
SWEET WILLIAM	Dianthus barbatus
TOUCH-ME-NOT	Balanitropa hirsuta
VERBENA	Verbena officinalis
VIOLET	Viola spp.
ZINNIA	Zinnia elegans

\* Slight foliage or flower speckling has been observed on these species.

### GROUND COVERS

COMMON NAME	SCIENTIFIC NAME
AJUGA	Ajuga reptans
IVY, ENGLISH	Hedera helix
IVY, VARIEGATED YELLOW	Hedera helix
IVY, VARIEGATED WHITE	Hedera helix
LIRIOPE, GREEN	Liriope spp.
LIRIOPE, VARIEGATED	Liriope muscarii
MONEYWORT,	Lysimachia nummularia
CREEPING CHARLIE	
MONDO GRASS	Ophiopogon japonicus
MONDO GRASS, DWARF	Ophiopogon japonicus "Nana"
PERIWINKLE	Vinca minor

# SHRUBS

COMMON NAME	SCIENTIFIC NAME
ABELIA	Abelia spp.
AUCUBA	Aucuba spp.
AZALEA *	Rhododendron spp.
BAMBOO	Bambusa spp.
BOXWOOD	Buxus sempervirens
CAMELLIA	Camella japonica
CLEYER	Cleyera japonica
CORALBERRY	Ardisia crenata
CRAPE MYRTLE	Lagerstroemia indica
EUONYMUS	Euonymus spp.
GARDENIA	Gardenia spp.
HOLLY	Ilex spp.
HOLLY, CHINESE	Ilex cornuta
HOLLY, JAPANESE	Ilex crenata
HONEYSUCKLE	Lonicera spp.
INDIAN HAWTHORN	Raphiolepis indica
JAPANESE BARBERRY	Berberis Thunbergii
JASMINE	Jasmine spp.
JASMINE, ASIATIC	Trachelospermum asiaticum
JUNIPER, CHINESE	Juniperus chinesis
JUNIPER, CREEPING	Juniperus horizontalis
JUNIPER, SHORE *	Juniperus conferta
LANTANA	Lantana spp.
NANDINA *	Nandinia domestica
PHOTINIA	Photinia spp.
PITTOSPORUM	Pittosporum spp.
PODOCARPUS	Podocarpus spp.
PRIVET	Ligustrum spp.
PYRACANTHA	Pyracantha spp.
RHODODENDRON	Rhododendron spp.
ROSE	Rosa spp.
SPIREA	Spiraea bumalda
WISTERIA	Wisteria spp.

\* Slight foliage or flower speckling has been observed on these species.

## RECOMMENDATIONS FOR ANNUAL GRASSES

### Region A & B

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

GRASS SPECIES		WEED* HEIGHT INCHES	RATE FL. OZ. ACRE	HIGH RATE
			(1)	(2)
Seedling Johnsongrass	Sorghum halepense	4-10	17	34
Shattercane	Sorghum bicolor	4-10	17	34
Volunteer Corn	Zea mays	4-12	8	17
Volunteer Corn	Zea mays	12-18	17	34
Wild Oats	Avena fatua	2-6	17	34
Wild Proso Millet	Panicum miliaceum	2-8	17	34
Witchgrass	Panicum capillare	2-6	17	34
Woolly Cupgrass	Eriochloa villosa	2-6	17	34
Barnyardgrass	Echinochloa crusgalli	2-6	17	34
Broadleaf Signalgrass	Brachiaria platyphylla	2-6	17	34
Crabgrass				
Large	Digitaria sanguinalis	2-6**	17	34
Smooth	Digitaria ischaemum	2-6**	17	34
Southern	Digitaria ciliaris	2-6**	17	34
Crowfootgrass	Dactyloctenium aegyptium	2-6**	17	34
Fall Panicum	Panicum dichotomiflorum	2-6	17	34
Field Sandbur	Cenchrus incertus	2-6	17	34
Foxtail				
Giant	Setaria faberi	2-12	17	34
Green	Setaria viridis	2-6	17	34
Yellow	Setaria glauca	2-6	17	34
Goosegrass	Eleusine indica	2-6**	17	34
Itchgrass	Rottboellia exaltata	2-6	17	34
Junglerice	Echinochloa colona	2-6	17	34
Red Rice	Oryza sativa	1-3	17	34
Southwestern Cupgrass	Eriochloa gracilis	2-6	17	34
Sprangle top				
Amazon	Lepthochloa panicoides	2-6	13	17
Bearded	Leptochloa fascicularis	2-6	13	17
Red	Leptochloa filiformis	2-6	13	17
Texas Panicum	Panicum texanum	2-6	17	34

GRASS SPECIES (con't)		WEED* HEIGHT INCHES	RATE FL. OZ. ACRE	HIGH RATE
-----------------------	--	---------------------------	-------------------------	--------------

---

**Volunteer Cereals**

Barley	Hordeum vulgare	2-6	17	34
Oats	Avena sativa	2-6	17	34
Rye	Secale cereale	2-6	17	34
Wheat	Triticum aestivum	2-6	17	34

---

\* Generally occurs between 3-leaf stage and tillering.

\*\* Length of lateral growth.

(1) 17 fl. oz./acre = approximately 0.4 fl. oz./1000 sq. ft.

(2) 34 fl. oz./acre = approximately 0.8 fl. oz./1000 sq. ft.

Add VALENT X-77 Spreader (non-ionic surfactant) or other non-ionic surfactant (containing at least 80% active ingredient) at the rate of 1 pt. per 50 gals. (0.25% v/v).

Region B

**RECOMMENDATIONS FOR ANNUAL BLUEGRASS CONTROL WITH  
SELECT HERBICIDE IN ORNAMENTALS**

		<b>WEED STAGE</b>	<b>RATE FL. OZ. ACRE</b>	<b>HIGH RATE</b>
<b>GRASS SPECIES</b>				
<b>Annual Bluegrass (Poa annua)</b>		<b>to 4-Leaf</b>	<b>13</b>	<b>34</b>
<p><b>Apply under favorable soil moisture and humidity which exists within a few days after rainfall or within 7 days after irrigation. Grass needs to be actively growing at time of application(s).</b></p> <p><b>Apply at weed stage indicated on the label, as reduced control can be expected with more mature annual bluegrass.</b></p> <p><b>Use the high rate under heavy grass pressure and / or when annual bluegrass is more mature.</b></p> <p><b>Add VALENT X-77 Spreader (non-ionic surfactant) or other non-ionic surfactant (containing at least 80% active ingredient) at the rate of 1 pt. per 50 gals. (0.25% v/v).</b></p>				

## RECOMMENDATIONS FOR PERENNIAL GRASSES

### Region A & B

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

GRASS SPECIES	WEED HEIGHT INCHES	RATE FL. OZ. ACRE	HIGH RATE
Rhizome Johnsongrass (Sorghum halepense)		(1)	(2)
First Application	6-24	17	34
Repeat Application(s) (if regrowth occurs)	6-10	<del>17</del> 8	<del>34</del> 17
Bermudagrass (Cynodon dactylon)			
First Application	3 (or up to 6" runners)	17	34
Repeat Application(s) (if regrowth occurs)	3 (or up to 6" runners)	17	34
Quackgrass (Agropyron repens)			
First Application	4-8	17	34
Repeat Application(s) (if regrowth occurs)	4-8	17	34
Wirestem Muhly (Muhlenbergia frondisa)			
First Application	4-8	17	34
Repeat Application(s) (if regrowth occurs)	4-8	17	34

(1) 17 fl. oz./acre = approximately 0.4 fl. oz./1000 sq. ft.

(2) 34 fl. oz./acre = approximately 0.8 fl. oz./1000 sq. ft.

Add VALENT X-77 Spreader (non-ionic surfactant) or other non-ionic surfactant (containing at least 80% active ingredient) at the rate of 1 pt. per 50 gals. (0.25% v/v)



## **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 1-800-892-0099 or Chemtrec 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 USING PRODUCT.**

**LIMITED WARRANTY:** 1. Valent U.S.A. Corporation warrants that this product conforms to the chemical description on the label and is reasonably fit for use under average conditions when used strictly in accordance with the directions on the labeling. Valent does not make nor authorizes any agent or representative to make, any other warranty, guarantee or representation, express or implied, concerning this product. Specifically, NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE IS MADE.

2. Critical and unforeseeable factors beyond Valent's control prevent it from eliminating all risks in connection with the use of this product. Such risks include, but are not limited to, damage to plants and crops to which product is applied, lack of complete control over the handling and application of this product, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit under average conditions for the uses stated on the labeling and even though label directions are followed. Buyer and user acknowledge and assume all risks and liability (except those assumed by Valent under 1 above) resulting from handling, storage, and use of the product.

3. Precautions stated on the labeling should be followed to avoid hazardous exposure to the product.

BASAGRAN® - Reg. TM of BASF AG.

BLAZER® - Reg. TM of BASF AG.

CLASSIC® - Reg. TM of E.I. du Pont de Nemours & Co. Inc. for chlorimuron ethyl herbicide.

ORTHENE® - Reg. TM of Chevron Chemical Company for acephate insecticide.

REFLEX® - Reg. TM of ICI Americas, Inc. for fomesafen herbicide.

SCEPTER® - Reg. TM of American Cyanamid Co. for imazaquin herbicide.

Manufactured for  
Valent U.S.A. Corporation ©1992  
Walnut Creek, CA 94596-8025  
Form 388-A Made in U.S.A.  
EPA Reg. No. 59639-  
EPA Est. No.