

PM 23

59639-78
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

1972

MAY 5 1994

Eric D. Bruce
Valent U.S.A. Corporation
1333 N. California Blvd., Suite 600
Walnut Creek, CA 94596

Dear Mr. Bruce:

Subject: Revised Label - Add Non-Crop Uses
Select Herbicide
EPA Registration No. 59639-78
Your Submission Dated November 4, 1993

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following provision:

Correct the spelling of the chemical name of the active ingredient in the Ingredient statement to read "(E)-2{1-[[(3-chloro-2-propenyl)oxy]imino]propyl]}...".

A stamped copy is enclosed for your records. Please submit five (5) final printed copies for the referenced label, incorporating the above change, before releasing the product for shipment.

Sincerely yours,

Joanne I. Miller
Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (7505C)

Enclosure

CONCURRENCES							
SYMBOL	7505C						
SURNAME	D. KENNY						
DATE	5/4/94						



WFS
acceptable
T. Adyml
2422

ACCEPTED
with COMMENTS
In EPA Letter Dated

MAY 5 1994

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
59639-78

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-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one	

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

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.

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.

Personal Protective Equipment (PPE):

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

Applicators and other handlers must wear: Coveralls over short-sleeved shirt and short pants, chemical-resistant gloves, such as Barrier Laminate or Viton \geq 14 mils, chemical-resistant footwear plus socks, protective eyewear, chemical-resistant headgear for overhead exposure and chemical-resistant apron when cleaning equipment, mixing, or loading.

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.

USER SAFETY RECOMMENDATIONS

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.

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. Do not contaminate water when disposing of equipment washwater or rinsate.

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.

1/08/22

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.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 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, is: coveralls over short-sleeved shirt and short pants, chemical-resistant gloves, such as Barrier Laminate or Viton \geq 14 mils, chemical-resistant footwear plus socks, protective eyewear and chemical-resistant headgear for overhead exposure.

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.

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.

GENERAL INFORMATION

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

FOR USE ON: Soybeans (Except CA), Cotton, Ornamentals, and Non-Crop or Non-Planted Areas

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
COTTON AND SOYBEANS	<p>Always use a crop oil concentrate containing at least 15% emulsifier at 1% v/v (but not less than 1 pint per acre) to the finished spray volume.</p> <p>The addition of 1 to 2 qts. of liquid fertilizer (10-34-0, 28%N, or 32%N) may enhance SELECT Herbicide activity on certain grass species such as giant foxtail and volunteer corn.</p>
ORNAMENTAL PLANTS	<p>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.</p>
Non-Crop or Non-Planted Areas	<p>Always use a crop oil concentrate containing at least 15% emulsifier at 1% v/v in the finished spray volume.</p>

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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 $\frac{1}{2}\%$ to 1% 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

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

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. of SELECT Herbicide (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.

Best perennial grass control can be obtained if rhizomes or stolons are cut up by preplant tillage practices (discing, plowing, etc.) to stimulate maximum emergence of grass shoots. Cultural practices such as continuous no-tillage in which the perennial grass rhizomes or stolons are not cut up results in a very staggered, non-uniform weed emergence. No fewer than two SELECT Herbicide applications per season per year are recommended at the appropriate weed-growth stage rate under continuous no-till conditions.

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.

DIRECTION FOR USE

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, ~~Hawaii~~ and west of Interstate 35 in Oklahoma and Texas.

DIRECTIONS FOR USE IN SOYBEANS (EXCEPT CA) AND COTTON 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.

		WEED* HEIGHT INCHES	RATE FL. OZ. ACRE	HIGH RATE
GRASS SPECIES				
Barnyardgrass	Echinochloa crusgalli	2-6 8	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
Wheat	Triticum aestivum	2-6	13	17
Crowfootgrass	Dactyloctenium aegyptium	2-6**	13	17
Fall Panicum	Panicum dichotomiflorum	2-6 8	13	17
Field Sandbur	Cenchrus incertus	2-6	13	17
Foxtail				
Giant	Setaria faberi	2-12	13	17
Green	Setaria viridis	2-6 8	13	17
Yellow	Setaria glauca	2-6 8	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
Seedling Johnsongrass	Sorghum halepense	4-10	13	17
Shattercane	Sorghum bicolor	4-10 6-18	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	13	17
Volunteer Cereals				
Barley	Hordeum vulgare	2-6	13	17
Oats	Avena sativa	2-6	13	17
Rye	Secale cereale	2-6	13	17
Volunteer Corn	Zea mays	4-12	8	13
Volunteer Corn	Zea mays	12-18 24	13	17
Volunteer Grain Sorghum	Sorghum bicolor	8-12	13	17
Wild Oats	Avena fatua	2-6	13	17
Wild Proso Millet	Panicum miliaceum	2-8 10	13	17
Witchgrass	Panicum capillare	2-6 8	13	17
Woolly Cupgrass	Eriochloa villosa	2-6 8	13	17

* Generally occurs between 3-leaf stage and tillering.

** Length of lateral growth.

Region A & B

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
<p>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).</p> <p>Apply at weed stage indicated on the label, as reduced control can be expected with more mature annual bluegrass.</p> <p>Use the high rate under heavy grass pressure and / or when annual bluegrass is more mature.</p> <p>Always add a crop oil concentrate containing at least 15% emulsifier at 1% v/v (but not less than 1 pint per acre) to the finished spray volume.</p>			

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
Bermudagrass			
(Cynodon dactylon)	3 (or up to		
First Application	6" runners)	17	34
Repeat Application(s)	3 (or up to		
(if regrowth occurs)	6" runners)	17	34
Quackgrass			
(Agropyron repens)			
First Application	4-8	17	34
Repeat Application(s)			
(if regrowth occurs)	4-8	17	34
Rhizome Johnsongrass			
(Sorghum halepense)			
First Application	12-24	17	34
Repeat Application(s)			
(if regrowth occurs)	6-10	13	17
Wirestem Muhly			
(Muhlenbergia frondosa)			
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
Bermudagrass			
(Cynodon dactylon)	3 (or up to		
First Application	6" runners)	17	34
Repeat Application(s)	3 (or up to		
(if regrowth occurs)	6" runners)	17	34
Rhizome Johnsongrass			
(Sorghum halepense)			
First Application	6-10 12-18	17	34
Repeat Application(s)			
(if regrowth occurs)	4-8 12-18	13	17

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./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 ⁽²⁾	APPLICATION RATES/ACRE ⁽¹⁾			
	ANNUAL GRASSES	PERENNIAL GRASSES	CROP OIL CONC. ⁽³⁾ (V/V)	
			GROUND	AIR
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 + 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 + PURSUIT® ⁽⁴⁾	13 to 17 fl. oz. + 4 oz.	17 to 34 fl. oz. + 4 oz.	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%

- (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.
- (2) 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.
- (3) Always use a crop oil concentrate containing at least 15% emulsifier at the listed rate (but not less than 1 pint per acre) in the finished spray volume.
- (4) The addition of 1 to 2 qts./A of liquid fertilizer (10-34-0, 28%N, or 32%N) is recommended when SELECT Herbicide is tank mixed with PURSUIT.

**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 LBAI/A) OF SELECT HERBICIDE PER SEASON, WHETHER APPLIED ALONE OR IN TANK MIX APPLICATIONS.

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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)**

PRODUCT ⁽²⁾	APPLICATION RATES/ACRE ⁽¹⁾		
	ANNUAL GRASSES	PERENNIAL GRASSES	CROP OIL CONC. (V/V) ⁽³⁾
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%

- (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.
- (2) Refer to insecticide label for rates and insects controlled.
- (3) Always use a crop oil concentrate containing at least 15% emulsifier at the listed rate (but not less than 1 pint per acre) in the finished spray volume.

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 a ~~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	Mitchella domestica
PETUNIA *	Petunia hybrida
PHLOX	Phlox spp.
PINKS	Dianthus spp.
PORTULACA	Portulaca grandiflora
SALVIA	Salvia spp.
SAXIFRAGE, ROCKFOIL	Saxifraga spp.

SEDUM
SNAPDRAGON *
SWEET WILLIAM
TOUCH-ME-NOT
VERBENA
VIOLET
ZINNIA

Sedum spp.
Antirrhinum majus
Dianthus barbatus
Balsam spp.
Verbena hortensis
Viola spp.
Zinnia elegans

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

GROUND COVERS

COMMON NAME

SCIENTIFIC NAME

AJUGA
IVY, ENGLISH
IVY, VARIEGATED YELLOW
IVY, VARIEGATED WHITE
LIRIOPE, GREEN
LIRIOPE, VARIEGATED
MONEYWORT,
CREEPING CHARLIE
MONDO GRASS
MONDO GRASS, DWARF
PERIWINKLE

Ajuga reptans
Hedera helix
Hedera helix
Hedera helix
Liriope spp.
Liriope muscarii
Lysimachia nummularia

Ophiopogon japonicus
Ophiopogon japonicus "Nana"
Vinca minor

SHRUBS

COMMON NAME

SCIENTIFIC NAME

ABELIA
AUCUBA
AZALEA *
BAMBOO
BOXWOOD
CAMELLIA
CLEYER
CORALBERRY
CRAPE MYRTLE
EUONYMUS
GARDENIA
HOLLY
HOLLY, CHINESE
HOLLY, JAPANESE
HONEYSUCKLE
INDIAN HAWTHORN
JAPANESE BARBERRY
JASMINE
JASMINE, ASIATIC
JUNIPER, CHINESE
JUNIPER, CREEPING
JUNIPER, SHORE *
LANTANA
NANDINA *
PHOTINIA
PITTOSPORUM
PODOCARPUS
PRIVET
PYRACANTHA
RHODODENDRON
ROSE
SPIREA
WISTERIA

Abelia spp.
Aucuba spp.
Rhododendron spp.
Bambusa spp.
Buxus sempervirens
Camellia japonica
Cleyera japonica
Ardisia crenata
Lagerstroemia indica
Euonymus spp.
Gardenia spp.
Ilex spp.
Ilex cornuta
Ilex crenata
Lonicera spp.
Raphiolepis indica
Berberis Thunbergii
Jasmine spp.
Trachelospermum asiaticum
Juniperus chinensis
Juniperus horizontalis
Juniperus conferta
Lantana spp.
Nandinia domestica
Photinia spp.
Pittosporum spp.
Podocarpus spp.
Ligustrum spp.
Pyracantha spp.
Rhododendron spp.
Rosa spp.
Spiraea bumalda
Wisteria spp.

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

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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)
Barnyardgrass	Echinochloa crusgalli	2-6 8	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 8	17	34
Field Sandbur	Cenchrus incertus	2-6	17	34
Foxtail				
Giant	Setaria faberi	2-12	17	34
Green	Setaria viridis	2-6 8	17	34
Yellow	Setaria glauca	2-6 8	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
Seedling Johnsongrass	Sorghum halepense	4-10	17	34
Shattercane	Sorghum bicolor	4-10 6-18	17	34
Southwestern Cupgrass	Eriochloa gracilis	2-6	17	34
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	34
Volunteer Corn	Zea mays	4-12	8	17
Volunteer Corn	Zea mays	12-18 24	17	34
Volunteer Grain Sorghum	Sorghum bicolor	8-12	13	17
Wild Oats	Avena fatua	2-6	17	34
Wild Proso Millet	Panicum miliaceum	2-8 10	17	34
Witchgrass	Panicum capillare	2-6 8	17	34
Woolly Cupgrass	Eriochloa villosa	2-6 8	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 a ~~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 A & B

RECOMMENDATIONS FOR ANNUAL BLUEGRASS CONTROL WITH SELECT HERBICIDE IN ORNAMENTALS			
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.

Add a ~~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).

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
		(1)	(2)
Bermudagrass (Cynodon dactylon)	3 (or up to 6" runners)	17	34
First Application			
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
Rhizome Johnsongrass (Sorghum halepense)			
First Application	6-24	17	34
Repeat Application(s) (if regrowth occurs)	6-10	13	17
Wirestem Muhly (Muhlenbergia frondosa)			
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 a ~~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)

DIRECTIONS FOR USE IN NON-CROP OR NON-PLANTED AREAS

Non-Crop or Non-Planted Areas: Rights-of-way including railroads, highways, roads, dividers, medians, pipelines, public utility lines, pumping stations, transformer stations and substations. Around airports, electric utilities, commercial buildings, manufacturing plants, storage yards, rail yards, fence lines, parkways, ornamental gardens, walkways, and patios. Also beneath greenhouse benches, along driveways, and around golf courses.

Follow the rate tables shown in the ornamental use directions section for control of annual and perennial grasses.

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.

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

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

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

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