



# SELECT<sup>®</sup>

2 EC HERBICIDE

Active Ingredient By Wt.  
\*Clethodim.....26.4%  
Other Ingredients .....73.6%  
Contains Petroleum Distillates  
\*(E)-2[1-[[[(3-chloro-2-propenyl)oxy] imino]propyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one  
Contains 2.0 lbs. clethodim per gal.  
U.S. Pat. No. 4,440,566 RE - 32,489

**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

#### HAZARDS TO HUMANS & DOMESTIC ANIMALS

#### WARNING

Causes substantial but temporary eye irritation. Avoid contact with skin. Do not get in eyes, on skin or on clothing. Harmful if swallowed or inhaled. Avoid breathing vapors or spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

#### STATEMENT OF PRACTICAL TREATMENT

- If in eyes:** Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. 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 to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**Note to Physicians:** Emergency Information - call 1-800-892-0099. This product contains a light petroleum solvent, and an aspiration hazard may exist. Probable mucosal damage may contraindicate the use of gastric lavage.

#### 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:** long-sleeved shirt and long pants, chemical-resistant gloves such as Barrier Laminate or Viton  $\geq$  14 mils, shoes plus socks and protective eyewear.

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

#### 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.
(Continued)

#### AGRICULTURAL USE REQUIREMENTS, Continued

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 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, chemical-resistant gloves, such as Barrier Laminate or Viton  $\geq$  14 mils, 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.

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.

#### DISCLAIMER, RISKS OF USING THIS PRODUCT, LIMITED WARRANTY AND LIMITATION OF LIABILITY

**IMPORTANT:** Read the entire Label including this Disclaimer, Risks of Using This Product, Limited Warranty and Limitation of Liability before using this product. If the terms are not acceptable THEN DO NOT USE THE PRODUCT; rather return the unopened product within 15 days of purchase for a refund of the purchase price.

#### RISKS OF USING THIS PRODUCT

The Buyer and User (referred to collectively herein as "Buyer") of this product should be aware that there are inherent unintended risks associated with the use of this product which are impossible to eliminate. These risks include, but are not limited to, injury to plants and crops to which this product is applied, lack of control of the target pests or weeds, resistance of the target pest or weeds to this product, injury caused by drift, and injury to rotational crops caused by carryover in the soil. Such risks of crop injury, non-performance, resistance or other unintended consequences are unavoidable and may result because of such factors as weather, soil conditions, disease, moisture conditions, irrigation practices, condition of the crop at the time of application, presence of other materials either applied in the tank mix with this product or prior to application of this product, cultural practices or the manner of use or application, (or a combination of such factors) all of which are factors beyond the control of Valent.

The Buyer should be aware that these inherent unintended risks may reduce the harvested yield of the crop in all or a portion of the treated acreage, or otherwise affect the crop such that additional care, treatment and expense are required to take the crop to harvest. If the Buyer chooses not to accept these risks, THEN THIS PRODUCT SHOULD NOT BE APPLIED. By applying this product Buyer acknowledges and accepts these inherent unintended risks AND AGREES THAT ALL SUCH RISKS ASSOCIATED WITH THE APPLICATION AND USE ARE ASSUMED BY THE BUYER.

Valent shall not be responsible for losses or damages (including, but not limited to, loss of yield, increased expenses of farming the crop or such incidental, consequential or special damages that may be claimed) resulting from use of this product in any manner not set forth on the label. Buyer assumes all risks associated with the use of this product in any manner or under conditions not specifically directed or approved on the label.

#### LIMITED WARRANTY

Valent warrants only that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the label, under average use conditions, when used strictly in accordance with the label and subject to the Risks of Using This Product as described above. EXCEPT AS SET FORTH ABOVE, VALENT MAKES NO OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED. No agent or representative of Valent or Seller is authorized to make or create any other express or implied warranty.

#### LIMITATION OF LIABILITY

In no event shall Valent or Seller be liable for any incidental, consequential, indirect or special damages resulting from the use or handling of this product. The limitation includes, but is not limited to, loss of yield on all or any portion of the treated acreage, increased care, treatment or other expenses required to take the crop to harvest, increased finance charges or altered finance ratings, emotional or mental distress and/or exemplary damages. THE EXCLUSIVE REMEDY OF THE BUYER, AND THE EXCLUSIVE MAXIMUM LIABILITY OF VALENT OR SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT OR, AT THE ELECTION OF VALENT OR SELLER, THE REPLACEMENT OF THE PRODUCT.

#### PROMPT NOTICE OF CLAIM

Valent must be provided notice as soon as Buyer has reason to believe it may have a claim, but in no event later than twenty-one days from date of planting, or twenty-one days from the date of application, whichever is latter, so that an immediate inspection of the affected property and growing crops can be made.

If Buyer does not notify Valent of any claims, in such period, it shall be barred from obtaining any remedy.

#### NO AMENDMENTS

Valent and Seller offer this product, and Buyer accepts it, subject to the foregoing Disclaimer, Risks of Using This Product, Limited Warranty and Limitation of Liability, which may not be modified by any oral or written agreement.

#### TANK MIXES

**NOTICE:** Tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of user, applicator and/or application advisor.

Read and follow the entire label of each product to be used in the tank mix with this product.

#### GENERAL INFORMATION

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

**FOR USE ON:** Soybeans, Cotton, Sugar Beets, Onions (dry bulbs only), Garlic, Shallots (dry bulbs only), Tomatoes, Alfalfa, Peanuts, Dry Beans, Non-Bearing Food Crops, Fallow Land (and other non-producing agricultural areas), and Non-Crop or Non-Planted Areas.

SELECT 2 EC Herbicide is a selective postemergence herbicide for control of annual and perennial grasses. SELECT 2 EC Herbicide does not control sedges or broadleaf weeds.

Repeated use of SELECT 2 EC Herbicide (or similar postemergence grass herbicides with the same mode of action) may lead to the selection of naturally occurring

biotypes that are resistant to these products in some grass species.

If poor performance occurs and cannot be attributed to adverse weather or applications conditions, a resistant biotype may be present. This is most likely to occur in fields where other control strategies such as crop rotation, mechanical removal, and other classes of herbicides are not used from year to year.

Do not allow SELECT 2 EC Herbicide 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 2 EC Herbicide 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 2 EC Herbicide should be applied as soon as possible after an irrigation (within 7 days). In arid regions, a second application of SELECT 2 EC Herbicide 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 2 EC Herbicide may reduce weed control. DO NOT APPLY SELECT 2 EC Herbicide if rainfall is expected within one hour, since control may be reduced.

### ADDITION OF ADJUVANT OR CROP OIL CONCENTRATE

CROP	ADJUVANT RECOMMENDATIONS
Soybeans, Alfalfa, Dry Beans, Cotton, Peanuts, Sugar Beets	Always use a crop oil concentrate* at 1 qt. per acre by ground or 1% v/v (but not less than 1 pt. per acre) in the finished spray volume by air.  1 to 2 qts./A of liquid fertilizer (10-34-0, 28%N or 32%N), or an equivalent amount (2.5 to 4.0 lbs./A) of spray grade ammonium sulfate (AMS) may be added to SELECT 2 EC Herbicide applications. In addition to the recommended rate of crop oil concentrate.  The addition of AMS has shown improved grass control for difficult to control species including: quackgrass, Rhizome johnsongrass, red rice, wild oats, volunteer cereals and volunteer corn.
Onions (dry bulbs only), Garlic and Shallots (dry bulbs only), Tomatoes	Use a crop oil concentrate at 1% v/v in the finished spray volume unless tank mix instructions indicate otherwise.
Non-Bearing Food Crops, Fallow Land (and other non-producing agricultural areas), and Non-Crop or Non-Planted Areas	Always use a crop oil concentrate containing at least 15% emulsifier at 1% v/v (but not less than 1 pt. per acre) in the finished spray volume.

\* Acceptable crop oil concentrates would be those which contain a minimum of 80% oils and 15% emulsifier. A crop oil concentrate must contain either a petroleum or vegetable oil base and must meet all the following criteria: be non-phytotoxic, contain only EPA-exempt ingredients, provide good mixing quality and be successful in local experience. Highly refined vegetable oils have proven more satisfactory than unrefined vegetable oils.

### 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. Under the following conditions a minimum of 10 gals. per acre is required: narrow row soybeans, broadleaf herbicide tank mixes, perennial grasses, volunteer corn, drought or stress conditions, heavy grass pressure or when grasses are at or near maximum height. Failure to use a minimum of 10 gals. per acre under these conditions can result in poor coverage and reduced grass control requiring repeat applications. Spray pressures should reflect a minimum of 30 psi and a maximum of 60 psi at the nozzle. Do not use flood nozzles.

Applications to onions, garlic and shallots should be made in a minimum of 20 gals. of spray solution per acre.

### 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.

In California applications to onions, garlic and shallots should be made in a minimum of 20 gals. of spray solution per acre.

When applying to onions, garlic or shallots, do not exceed 8 fl. oz./A in a single application.

**NOTE:** Crop injury may occur when SELECT 2 EC Herbicide is applied to onions, garlic or shallots with aerial equipment.

### Spot Treatment

When using hand sprayers or high volume sprayers utilizing hand guns, mix 1/4% to 1/2% (0.33 oz. to 0.65 oz. per gal.) SELECT 2 EC Herbicide and treat to wet vegetation, while not allowing runoff of spray solution. For uses requiring crop oil concentrate, include crop oil concentrate at 1% (1.3 oz. per gal.) by volume. For uses requiring non-ionic surfactant, include non-ionic surfactant at 1/4% (0.33 oz. per gal.) by volume.

**NOTE:** If SELECT 2 EC Herbicide is applied as a spot treatment to onions, garlic or shallots, care should be taken to not exceed the maximum rate allowed on a "per acre" basis or crop injury may occur.

### 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 2 EC Herbicide or reduced grass control may result.

Do not apply more than 32 fl. oz. of SELECT 2 EC Herbicide (0.5 lb. ai) per acre per season. Application on Long Island, New York, is restricted to no more than 16 fl. oz. of SELECT 2 EC Herbicide (0.25 lb. ai) per acre per season.

Do not apply under conditions of stress. Applying SELECT 2 EC 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 2 EC 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, result in a very staggered, non-uniform plant emergence. Due to this non-uniform weed emergence, no fewer than two SELECT 2 EC 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, rice, sorghum, small grains, or turf, etc. are highly sensitive to SELECT 2 EC Herbicide.

While all the vegetable crops on this label have been tested and are tolerant to SELECT 2 EC Herbicide, not all specialty varieties of these crops have been tested. It is advised that, before applying SELECT 2 EC Herbicide to specialty varieties of vegetable crops on this label, crop tolerance be investigated first using a small section of the field. It is possible that injury symptoms can occur. Symptoms may appear as leaf speckling or stunting.

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 2 EC Herbicide and broadleaf herbicides may result in reduced grass control. If grass regrowth occurs, an additional application of SELECT 2 EC Herbicide may be necessary.

#### 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) Applying 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 2 EC Herbicide within 60 days of harvest.

#### SUGAR BEETS

Do not apply SELECT 2 EC Herbicide within 100 days of sugar beets harvest.

#### ONIONS (DRY BULBS ONLY), GARLIC AND SHALLOTS (DRY BULBS ONLY)

Do not apply SELECT 2 EC Herbicide within 45 days of onion (dry bulbs only), garlic or shallot (dry bulbs only) harvest. In California do not apply until crop has at least 2 full leaves.

In California 14 day spray intervals are recommended between the application of SELECT 2 EC Herbicide and liquid nitrogen

or other herbicide applications. Injury to crop may occur when shorter intervals are observed.

#### TOMATOES

Do not apply SELECT 2 EC Herbicide within 20 days of tomato harvest.

#### ALFALFA

SELECT 2 EC Herbicide may be applied to seedling or established alfalfa (including sainfoin, holy clover and birdsfoot trefoil) grown for seed, hay, silage, green chop or direct grazing.

Do not apply SELECT 2 EC Herbicide within 15 days of grazing, feeding or harvesting (cutting) alfalfa for forage or hay.

Do not apply SELECT 2 EC Herbicide and 2,4-DB as a tank mix unless the 60 day feeding, grazing, and harvesting restriction on the 2,4-DB label can be observed.

Do not plant rotational crops until 30 days after application of SELECT 2 EC Herbicide.

#### DRY BEANS

Do not apply SELECT 2 EC Herbicide within 30 days of dry bean harvest (cutting or pulling plants from ground).

#### PEANUTS

Do not apply SELECT 2 EC Herbicide within 40 days of peanut harvest (cutting vines or digging peanuts from ground).

#### FALLOW LAND (AND OTHER NON-PRODUCING AGRICULTURAL AREAS)

Do not plant any crop for 30 days after application unless clothodim is registered for use in that crop.

#### DIRECTIONS FOR USE IN SOYBEANS, COTTON, SUGAR BEETS, ONIONS (DRY BULBS ONLY), GARLIC, SHALLOTS (DRY BULBS ONLY), TOMATOES, ALFALFA, PEANUTS, DRY BEANS, NON-BEARING FOOD CROPS, AND NON-CROP OR NON-PLANTED AREAS

IMPORTANT
Plant tolerance to SELECT 2 EC Herbicide at labeled rates has been found to be acceptable for the indicated genera and species listed below. 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 2 EC Herbicide have investigated the safety factor to plants not listed on the label.

The following plants have shown a tolerance for SELECT 2 EC herbicide applications:

#### NON-BEARING FOOD CROPS

Non-bearing fruit and nut crops are plants which will not bear fruit or nuts for at least one year following SELECT 2 EC Herbicide application.

COMMON NAME	SCIENTIFIC NAME
Apples	<i>Malus</i> spp.
Berries	<i>Vaccinium</i> spp. <i>Rubus</i> spp.
Cherry, Sweet	<i>Prunus avium</i>
Citrus Fruits	<i>Citrus</i> spp.
Grapes	<i>Vitis</i> spp.
Olives	<i>Olea</i> spp.
Peach	<i>Prunus persica</i>
Pears	<i>Pyrus communis</i>
Prunes	<i>Prunus</i> spp.
Stone Fruits	<i>Prunus</i> spp.
Strawberries	<i>Fragaria</i> spp.
Tree Nuts	<i>Juglans</i> spp. (walnut) <i>Carya illinoensis</i> (pecan) <i>Pistacia vera</i> (pistachio) <i>Prunus dulcis</i> (almond) <i>Corylus maxima</i> (filbert)

**NON-CROP OR NON-PLANTED AREAS**

The following areas are considered 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.

**RECOMMENDATIONS FOR ANNUAL GRASSES**

**(EXCEPT FOR IN ESTABLISHED ALFALFA)**

- 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	SCIENTIFIC NAME	WEED* HEIGHT INCHES	RATE FL. OZ./ ACRE	HIGH RATE <sup>(4)</sup>
Barnyardgrass	<i>Echinochloa crus-galli</i>	2 - 8	6	8
Broadleaf Signalgrass	<i>Brachiaria platyphylla</i>	2 - 6	6	8
Brome				
California Cheatgrass	<i>Bromus carinatus</i>	2 - 6	6	8
Downy	<i>Bromus secalinus</i>	2 - 6	6	8
Ripgut	<i>Bromus tectorum</i>	2 - 6	6	8
Canarygrass	<i>Bromus diandrus</i>	2 - 6	6	8
Crabgrass	<i>Phalaris canariensis</i>	1 - 4	6	8
Hairy	<i>Digitaria digitaria</i>	2 - 6**	6	8
Large	<i>Digitaria adscendens</i>	2 - 6**	6	8
Smooth	<i>Digitaria sanguinalis</i>	2 - 6**	6	8
Southern	<i>Digitaria ischaemum</i>	2 - 6**	6	8
Crowfootgrass	<i>Digitaria ciliaris</i>	2 - 6**	6	8
Fall Panicum	<i>Dactyloctenium aegyptium</i>	2 - 8	6	8
Field Sandbur	<i>Panicum dichotomiflorum</i>	2 - 8	6	8
Foxtail	<i>Cenchrus incertus</i>	2 - 6	6	8
Giant	<i>Setaria faberi</i>	2 - 12	6	8
Green	<i>Setaria viridis</i>	2 - 8	6	8
Yellow	<i>Setaria glauca</i>	2 - 8	6	8
Goosegrass	<i>Eleusine indica</i>	2 - 6**	6	8
Itchgrass	<i>Rottboellia exaltata</i>	2 - 6	6	8
Junglerice	<i>Echinochloa colona</i>	2 - 6	6	8
Lovegrass	<i>Eragrostis ciliaris</i>	2 - 6	6	8
(Stinkgrass)	<i>cilianensis</i>			
Rabbitsfootgrass	<i>Polypogon monspeliensis</i>	1 - 4	6	8
Red Rice	<i>Oryza sativa</i>	1 - 3	6	8
Rygrass				
Hardy	<i>Lolium remotum</i>	2 - 6	6	8
Italian	<i>Lolium multiflorum</i>	2 - 6	6	8
Seedling	<i>Sorghum halepense</i>	4 - 10	6	8
Johnsongrass	<i>Sorghum bicolor</i>	6 - 18	6	8
Shattercane	<i>Eriochloa gracillia</i>	2 - 6	6	8
Southwestern				
Cupgrass				
Sprangletop				
Amazon	<i>Leptochloa panicoides</i>	2 - 6	6	8
Bearded	<i>Leptochloa fascicularis</i>	2 - 6	6	8
Mexican	<i>Leptochloa uninervia</i>	2 - 6	6	8
Red	<i>Leptochloa filiformis</i>	2 - 6	6	8

(Continued)

GRASS SPECIES, Continued	SCIENTIFIC NAME	WEED* HEIGHT INCHES	RATE FL. OZ./ ACRE	HIGH RATE <sup>(4)</sup>
Texas Panicum	<i>Panicum texanum</i>	2 - 6	6	8
Volunteer Cereals <sup>(3)</sup>				
Barley	<i>Hordeum vulgare</i>	2 - 6	6	8
Oats	<i>Avena sativa</i>	2 - 6	6	8
Rye	<i>Secale cereale</i>	2 - 6	6	8
Wheat	<i>Triticum aestivum</i>	2 - 6	6	8
Volunteer Corn <sup>(2)</sup>	<i>Zea mays</i>	4 - 12	4	6
Volunteer Corn (S.R.) <sup>(1)</sup>	<i>Zea mays</i>	4 - 12	8	(suppression only)
Volunteer Corn <sup>(2)</sup>	<i>Zea mays</i>	12 - 24	6	8
Volunteer Grain Sorghum	<i>Sorghum bicolor</i>	8 - 12	6	8
Wild Oats	<i>Avena fatua</i>	2 - 6	6	8
Wild Proso Millet	<i>Panicum miliaceum</i>	2 - 10	6	8
Witchgrass	<i>Panicum capillare</i>	2 - 8	6	8
Woolly Cupgrass	<i>Eriochloa villosa</i>	2 - 8	6	8

\* Generally occurs between 3-leaf stage and tillering

\*\* Length of lateral growth

- (1) Sethoxydim resistant volunteer corn.
- (2) Includes ROUNDUP READY®, LIBERTY LINK® and IMI-CORN® volunteer corn.
- (3) When the cereal grain crop (wheat) is interseeded for crop establishment or is planted as wind breaks to aid crop establishment, the minimum SELECT 2 EC Herbicide use rate for control is 8 fl. oz./A.
- (4) Rates higher than 8 fl. oz./A may be applied in certain geographic areas, cropping situations, or environmental conditions, where experience has shown that higher rates are needed for satisfactory control of annual grasses. In these situations, rates from 8 to 16 fl. oz./A may be applied.

**RECOMMENDATIONS FOR ANNUAL & PERENNIAL GRASS CONTROL IN ESTABLISHED ALFALFA WITH SELECT 2 EC HERBICIDE**

Grass Species	Weed Stage	Rate fl. oz./Acre	High Rate
Annual & Perennial Grasses Listed in Grass Table	See Table	8	16

**Mowing:** The best control of annual grasses can be achieved by applying SELECT 2 EC Herbicide before grass weeds are mowed. Once a grass is mowed it becomes tougher to control, as much of the available leaf surface has been removed. In areas without a killing frost, some annuals can over-winter after having been mowed multiple times. These grasses form large crowns and may contain many viable buds. These grasses, even though they may be an annual grass, may require repeated applications of SELECT 2 EC Herbicide for partial or complete control.

**Irrigated Alfalfa:** Irrigation practices can be very critical to the successful use of SELECT 2 EC Herbicide in established alfalfa and may be necessary to initiate active growth of the weeds prior to application. Generally applications 2 to 4 days after an irrigation are most effective. Irrigation made shortly after application (2 days) can be effective, but more consistent grass control occurs when the irrigation is made before the application.

**Annual Grass Control:** Apply SELECT 2 EC Herbicide at the grass sizes indicated in the Recommendation for Annual Grass Table and rates indicated above (8 to 16 fl. oz./A). If a grass has been cut, apply SELECT 2 EC Herbicide after active growth has resumed and regrowth has reached the minimum height and before it reaches the maximum height indicated. Apply before the alfalfa canopy covers the grasses and interferes with the spray coverage.

(Continued)

**RECOMMENDATIONS FOR ANNUAL & PERENNIAL GRASS CONTROL IN ESTABLISHED ALFALFA WITH SELECT 2 EC HERBICIDE, Continued**

**Annual Grass Control (Continued):**

Some annual grasses are spring- and summer-germinating plants, while others are fall-germinating plants, and the time they are actively growing and most susceptible to SELECT 2 EC Herbicide may vary from region to region. Also some annuals germinate over an extended period of time, and because control of small grasses is desired, applications after each weed flush may be required. As a general rule spray spring- and summer-germinating grasses as early in the season as possible, after initial green-up. Spray fall-germinating weeds in the fall soon after they begin growing but before any damage is done due to frost. Late fall applications may be less effective due to environmental conditions, such as frost, slower plant growth, or the onset of flowering.

**Perennial Grass Control:** SELECT 2 EC Herbicide effectively controls perennial grasses such as bermudagrass, johnsongrass, quackgrass, wirestem muhly, tall fescue, foxtail barley and orchardgrass. Due in part to lack of tillage, perennial grasses are more difficult to control in a perennial crop such as established alfalfa. A program of repeated applications is usually necessary for best results. The best way to control perennial grasses is to do so in the year of stand establishment before rhizomes and stolons become large and difficult to kill.

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

Always add a crop oil concentrate at 1 qt./A by ground or 1% v/v (but not less than 1 pt./A) to the finished spray volume by air.

**RECOMMENDATIONS FOR ANNUAL BLUEGRASS CONTROL WITH SELECT 2 EC HERBICIDE**

GRASS SPECIES	WEED STAGE	RATE FL. OZ./ ACRE	HIGH RATE
Annual Bluegrass ( <i>Poa annua</i> )	to 4-Leaf	6*	16

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 at 1 qt./A by ground to the finished spray volume.

\* Use a minimum of 8 fl. oz./A to control annual bluegrass in seedling and established alfalfa.

**DIRECTIONS FOR USE IN DRY BEANS, SOYBEANS AND SUGAR BEETS AT A REDUCED RATE**

**RECOMMENDATIONS FOR SMALL ANNUAL GRASSES (REDUCED RATE RECOMMENDATIONS NOT FOR USE IN CALIFORNIA)**

- 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.
- Regrowth by tillering may occur if application is made when plants are stressed by lack of moisture, excessive moisture, low temperatures and/or under very low humidity.

GRASS SPECIES	SCIENTIFIC NAME	WEED HEIGHT INCHES	RATE <sup>(1)</sup> FL. OZ./ ACRE
Barnyardgrass	<i>Echinochloa crus-galli</i>	1 to 4	4
Broadleaf Signalgrass	<i>Brachiaria platyphylla</i>	1 to 4	5
Crabgrass			
Large	<i>Digitaria sanguinalis</i>	1 to 3*	4
Large	<i>Digitaria sanguinalis</i>	1 to 4*	5
Smooth	<i>Digitaria ischaemum</i>	1 to 3*	4
Smooth	<i>Digitaria ischaemum</i>	1 to 4*	5
Southern	<i>Digitaria ciliaris</i>	1 to 4*	5
Fall panicum	<i>Panicum dichotomiflorum</i>	1 to 4	4
Foxtail			
Giant	<i>Setaria faberi</i>	1 to 4	4
Green	<i>Setaria viridis</i>	1 to 4	4
Yellow	<i>Setaria italica</i>	1 to 4	5
Millet	<i>Setaria glauca</i>	1 to 4	4
Seedling Johnsongrass	<i>Sorghum halepense</i>	1 to 6	5
Shattercane	<i>Sorghum bicolor</i>	4 to 10	4
Texas Panicum	<i>Panicum texanum</i>	1 to 4	5
Volunteer Corn**	<i>Zea Mays</i>	4 to 12	4
Wild Proso Millet	<i>Panicum millaceum</i>	1 to 6	4
Wild Oats	<i>Avena fatua</i>	1 to 4	5

\* Length of lateral growth

\*\* Not S.R. Corn

- (1) Always add a crop oil concentrate at 1 qt./A by ground to the finished spray volume.

**RECOMMENDATIONS FOR PERENNIAL GRASSES**

- 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			
First Application	( <i>Cynodon dactylon</i> ) 3 (or up to 6" runners)	8	16
Repeat Application(s) (if regrowth occurs)	3 (or up to 6" runners)	8	16
Fescue, Tall	( <i>Festuca arundinacea</i> )		
First Application	4 to 8	8	16
Repeat Application(s) (if regrowth occurs)	4 to 8	8	16
Foxtail Barley	( <i>Hordeum jubatum</i> )		
First Application	2 to 6	8	16
Repeat Application(s) (if regrowth occurs)	2 to 6	8	16
Orchardgrass	( <i>Dactylis glomerata</i> )		
First Application	4 to 8	8	16
Repeat Application(s) (if regrowth occurs)	4 to 8	8	16
Quackgrass*	( <i>Agropyron repens</i> )		
First Application	4 to 12	8	16
Repeat Application(s) (if regrowth occurs)	4 to 12	8	16
Rhizome Johnsongrass	( <i>Sorghum halepense</i> )		
First Application	12 to 24	8	16
Repeat Application(s) (if regrowth occurs)	6 to 18	6	8
Wirestem Muhly	( <i>Muhlenbergia frondisa</i> )		
First Application	4 to 8	8	16
Repeat Application(s) (if regrowth occurs)	4 to 8	8	16

\* Control of quackgrass with SELECT 2 EC Herbicide may be enhanced by adding AMS at 2.5 to 4.0 lbs./A.

## TANK MIXES

### GENERAL INFORMATION

The labels for each of the herbicides recommended for tank mixing with SELECT 2 EC Herbicide are unique to the characteristics of those products and contain restrictions and limitations that may be more restrictive than the SELECT 2 EC Herbicide 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. Applicator certification requirements;
4. Worker safety rules (e.g. protective clothing, reentry time, posting);
5. Soil type or soil characteristics (e.g. pH, OM);
6. Maximum dosage or number of applications per season;
7. Rain free period required; or
8. Application timing (e.g. pre-harvest interval);
9. DO NOT EXCEED A TOTAL OF 32 FL. OZ./ACRE (0.5 LB. AI/A) OF SELECT 2 EC HERBICIDE PER SEASON, WHETHER APPLIED ALONE OR IN TANK MIX APPLICATIONS.

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

#### TANK MIX APPLICATION OF SELECT 2 EC HERBICIDE AND BROADLEAF HERBICIDES FOR CONTROL OF GRASSES AND BROADLEAF WEEDS IN SOYBEANS

- 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 the appropriate adjuvant to the spray mix at the rate recommended for each specific tank mix combination.
- 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 2 EC Herbicide, as specified in the respective size and rate tables.
- Do not tank mix SELECT 2 EC Herbicide when broadleaf weeds are tall and/or dense enough to prevent proper grass coverage.

### MIXING INSTRUCTIONS

Maintain agitation throughout the spray application. Failure to agitate the spray volume may result in improper mixing of the herbicides and unsatisfactory weed control. Mixing and compatibility qualities should be verified by a jar test.

**SELECT 2 EC Herbicide Tank Mix:** Add 1/2 of the required water to the spray tank and begin agitation. Add the required amount of SELECT 2 EC Herbicide and mix thoroughly. Then add the required amount of tank mix partner and continue mixing. Finally, add the required amount of crop oil concentrate and/or the Nitrogen fertilizer and the remaining water.

### INFORMATION ON ANTAGONISM

Tank mixes of SELECT 2 EC Herbicide with postemergence broadleaf herbicides have shown some reduction or failure to control certain grass species which would have otherwise been controlled when SELECT 2 EC Herbicide is applied alone. Activity of the postemergence broadleaf herbicide in the tank mix is not affected.

Table 1.

**SELECT 2 EC HERBICIDE TANK MIXES<sup>(3)</sup> TO CONTROL ANNUAL GRASSES WHEN USED AS A BURNDOWN IN NO-TILL SOYBEANS**

PRODUCT	PRODUCT/ ACRE RATE <sup>(1)</sup>	GRASS HEIGHT	CROP OIL CONC. <sup>(2)</sup>	+	28%N OR 32%N QTS./A OR 2.5 TO 4.0 LBS. AMS
SELECT 2 EC Herbicide	3 fl. oz.	Foxtail Fall Panicum	1 to 3" 1 to 3"	1 qt./A	1 to 2 qts./A <b>OR</b> 2.5 to 4.0 lbs. AMS
	<b>or</b>				
	4 fl. oz.	Foxtail Fall Panicum	1 to 4" 1 to 4"	1 qt./A	1 to 2 qts./A <b>OR</b> 2.5 to 4.0 lbs. AMS
	<b>or</b>				
	6 to 8 fl. oz.	(See Grass Chart for grasses claimed)		1 qt./A	1 to 2 qts./A <b>OR</b> 2.5 to 4.0 lbs. AMS
<b>+</b>	<b>+</b>				
2,4-D ESTER*	0.5 lb. ai				

\* 2,4-D ester should not be used where drift sensitive crops may be grown.

- (1) If regrowth occurs or an additional flush of new grass emerges, make a second application of SELECT 2 EC Herbicide according to the appropriate size and rate recommendations.
- (2) Always use a crop oil concentrate at the listed rate in the finished spray volume.
- (3) The following products can be tank mixed with SELECT 2 EC Herbicide plus 2,4-D ester: DUAL® 8 E, DUAL II® DUAL MAGNUM®, PROWL®, SENCOR® and SENCOR plus the DUAL products.

Table 2.

**SELECT 2 EC HERBICIDE TANK MIXES WITH BROADLEAF HERBICIDES FOR SOYBEANS  
(REFER TO THE RECOMMENDATION TABLES ABOVE FOR SPECIFIC GRASSES AND GROWTH STAGES)**

PRODUCT <sup>(2)</sup>	ANNUAL GRASSES	PERENNIAL GRASSES	APPLICATION RATES/ACRE <sup>(1)</sup>	
			CROP OIL CONC. <sup>(3)</sup> (V/V)	
			GROUND	AIR
SELECT 2 EC Herbicide + COBRA® Herbicide	6 to 8 fl. oz. + 12.5 fl. oz.	8 to 16 fl. oz. + 12.5 fl. oz.	.5 to 1%	1%
SELECT 2 EC Herbicide + BASAGRAN® 4SL	8 to 10 fl. oz. + 1 to 2 pts.	10 to 16 fl. oz. + 1 to 2 pts.	1%	1%
SELECT 2 EC Herbicide + BLAZER® 2SL	6 to 8 fl. oz. + 1 to 1.5 pts.	8 to 16 fl. oz. + 1 to 1.5 pts.	.5 to 1%	1%
SELECT 2 EC Herbicide + FLEXSTAR® HL Herbicide <sup>(5)</sup>	6 to 8 fl. oz. + Refer to the Flexstar HL Herbicide label for specific application rates.	8 to 16 fl. oz. + 	1%	1%
SELECT 2 EC Herbicide + CLASSIC® 25 DG	8 to 10 fl. oz. + 0.5 to 0.75 oz.	10 to 16 fl. oz. + 0.5 to 0.75 oz.	1%	1%
SELECT 2 EC Herbicide <sup>(4)</sup> + PURSUIT®	6 to 8 fl. oz. + 4 fl. oz.	8 to 16 fl. oz. + 4 fl. oz.	1%	1%
SELECT 2 EC Herbicide + REFLEX® 2 LC	6 to 8 fl. oz. + 0.75 to 1.5 pts.	8 to 16 fl. oz. + 0.75 to 1.5 pts.	.5 to 1%	1%
SELECT 2 EC Herbicide <sup>(4)</sup> + GALAXY®	8 to 10 fl. oz. + 32 fl. oz.		.5%	1%
SELECT 2 EC Herbicide <sup>(4)</sup> + COBRA Herbicide + CLASSIC 25 DG	8 to 10 fl. oz. + 6 to 8 fl. oz. + 0.5 to 0.75 oz.		.5%	1%
SELECT 2 EC Herbicide <sup>(4)</sup> + COBRA Herbicide + BASAGRAN 4 SL	8 to 10 fl. oz. + 6 to 10 fl. oz. + 1 to 1.5 pts.		.5%	1%
SELECT 2 EC Herbicide <sup>(4)</sup> + COBRA Herbicide + PURSUIT	8 to 10 fl. oz. + 6 to 10 fl. oz. + 4 fl. oz.		.5%	1%
SELECT 2 EC Herbicide <sup>(4)</sup> + STORM®	8 to 10 fl. oz. + 1.5 pts.		.5%	1%
SELECT 2 EC Herbicide <sup>(4)</sup> + RESOURCE® Herbicide + PURSUIT	8 to 10 fl. oz. + 4 fl. oz. + 4 fl. oz.		1%	1%
SELECT 2 EC Herbicide <sup>(4)</sup> + RESOURCE Herbicide + BASAGRAN Herbicide	8 to 10 fl. oz. + 4 fl. oz. + 1 pt.		1%	1%
SELECT 2 EC Herbicide <sup>(4)</sup> + RESOURCE Herbicide + CLASSIC Herbicide	8 to 10 fl. oz. + 4 fl. oz. + 0.5 fl. oz.		1%	1%
SELECT 2 EC Herbicide <sup>(4)</sup> + COBRA Herbicide + RESOURCE Herbicide	6 to 8 fl. oz. + 6 fl. oz. + 4 fl. oz.		.5%	1%

(Continued)



Table 2. (Continued)

**SELECT 2 EC HERBICIDE TANK MIXES WITH BROADLEAF HERBICIDES FOR SOYBEANS**  
 (REFER TO THE RECOMMENDATION TABLES ABOVE FOR SPECIFIC GRASSES AND GROWTH STAGES)

PRODUCT <sup>(2)</sup>	ANNUAL GRASSES	PERENNIAL GRASSES	APPLICATION RATES/ACRE <sup>(1)</sup>	
			CROP OIL CONC. <sup>(3)</sup> (V/V)	
			GROUND	AIR
SELECT 2 EC Herbicide <sup>(4)</sup> +	6 to 8 fl. oz. +	8 to 16 fl. oz. +	1%	
FIRSTRATE®	0.3 oz./A	0.3 oz./A		
SELECT 2 EC Herbicide <sup>(4)</sup> +	6 to 8 fl. oz. +	8 to 16 fl. oz. +	1%	
COBRA Herbicide +	6 to 8 fl. oz. +	6 to 8 fl. oz. +		
FIRSTRATE	0.3 oz./A	0.3 oz./A		
SELECT 2 EC Herbicide <sup>(4)</sup> +	6 to 8 fl. oz. +		1%	
RAPTOR® (1 AS)	4 to 5 fl. oz./A			
SELECT 2 EC Herbicide <sup>(4)</sup> +	6 to 8 fl. oz./A +		1%	
COBRA Herbicide +	6 to 8 fl. oz./A +			
RAPTOR (1 AS)	4 to 5 fl. oz./A			
SELECT 2 EC Herbicide <sup>(4)</sup> +	6 to 8 fl. oz./A +		1 qt./A	
SYNCHRONY® STS™	0.5 oz./A			
SELECT 2 EC Herbicide <sup>(4)</sup> +	6 to 8 fl. oz./A <sup>(6)</sup> +		1 pt./A	
COBRA Herbicide +	4 to 8 fl. oz. +			
SYNCHRONY STS	0.5 oz./A			
SELECT 2 EC Herbicide <sup>(4)</sup> +	6 to 8 fl. oz./A <sup>(6)</sup> +		1 qt./A	
RELIANCE® STS™	0.5 oz./A			
SELECT 2 EC Herbicide <sup>(4)</sup> +	6 to 8 fl. oz./A <sup>(6)</sup> +		1 pt./A	
COBRA Herbicide +	4 to 8 fl. oz. +			
RELIANCE STS	0.5 oz./A			
SELECT 2 EC Herbicide <sup>(4)</sup> +	6 to 8 fl. oz. +		1 qt./A	
RESOURCE® Herbicide	4 to 12 fl. oz./A			
SELECT 2 EC Herbicide <sup>(4)</sup> +	8 to 10 fl. oz./A +		1%	
FRONTROW®	Refer to FRONTROW label for use rates			

- (1) If grass regrowth occurs or an additional flush of new grass emerges, make a second application of SELECT 2 EC Herbicide alone (without a tank mix herbicide), according to the appropriate size and rate recommendations.
- (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 at the listed rate (but not less than 1 pt. 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 2 EC Herbicide is tank mixed with PURSUIT, RESOURCE, GALAXY, STORM, FIRSTRATE, SYNCHRONY, RELIANCE, RAPTOR, FRONTROW, COBRA + CLASSIC, COBRA + BASAGRAN, COBRA + PURSUIT, COBRA + FIRSTRATE, COBRA + SYNCHRONY, COBRA + RELIANCE and COBRA + RAPTOR. An equivalent amount (2.5 to 4.0 lbs./A) of spray grade ammonium sulfate (AMS) may be added in place of liquid fertilizer. Fertilizer adjuvants are to be added in addition to the crop oil concentrate.
- (5) Refer to FLEXSTAR label for geographic and rotational restrictions.
- (6) Annual grasses and sizes controlled with these tank mixtures are those which are identified in the **DIRECTIONS FOR USE IN SOYBEANS AT A REDUCED RATE** table.

**Table 3.**  
**SELECT 2 EC HERBICIDE TANK MIXED WITH COBRA HERBICIDE AND MSMA APPLIED POST DIRECTED TO COTTON**

PRODUCT <sup>(2)</sup>	APPLICATION RATES/ ACRE <sup>(1)</sup>		CROP OIL CONC. <sup>(3)</sup>	COMMENTS
	ANNUAL GRASSES	PERENNIAL GRASSES	V/V GROUND	
SELECT 2 EC Herbicide <sup>(4)</sup>	6 to 8 fl. oz.	8 to 16 fl. oz.	1%	Reduce broadcast rate in proportion to the band area actually treated.
+ COBRA Herbicide	See COBRA label for rates to control broadleaf weeds and height limitations for cotton. Refer to the SELECT 2 EC Herbicide label for weed height and species controlled.			
+ MSMA (4.0 lbs./gal.) or MSMA (6.6 lbs./gal.)	See MSMA label for rates to control broadleaf weeds and height limitations for cotton. Refer to the SELECT 2 EC Herbicide label for weed height and species controlled.			

- (1) If grass regrowth occurs or an additional flush of new grass emerges, make a second application of SELECT 2 EC Herbicide alone (without a tank mix herbicide), according to the appropriate size and rate recommendations.
- (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 at the listed rate (but not less than 1 pt. per acre) in the finished spray volume.
- (4) If at the time of application, grass height is so tall that post-directed applications cannot get good coverage over the top of the grassy weeds, then poor control may result and a second (non-post directed) application of SELECT 2 EC Herbicide may be necessary.

**Table 4.**  
**SELECT 2 EC HERBICIDE TANK MIXED WITH BUCTRIL® 4 EC HERBICIDE TO CONTROL EMERGED WEEDS IN BXN® COTTON AS A BROADCAST APPLICATION**

PRODUCT <sup>(2)</sup>	APPLICATION RATES/ACRE <sup>(1)</sup>		COMMENTS <sup>(7)</sup>
	ANNUAL GRASSES	CROP OIL CONC <sup>(2)</sup>	
SELECT 2 EC Herbicide	8 to 16 fl. oz.	1 qt./A	See charts for grasses controlled
+ BUCTRIL Herbicide <sup>(4,5,6)</sup>	See BUCTRIL 4 EC Herbicide label for rates to control broadleaf weeds and height limitations for cotton.		

- (1) If grass regrowth occurs or an additional flush of new grass emerges, make a second application of SELECT 2 EC Herbicide at the recommended rate with the appropriate amount of crop oil concentrate in a non-BUCTRIL tank mix.
- (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.
- (3) Always add a crop oil concentrate at 1 qt./A by ground in the finished spray solution.
- (4) Applications of BUCTRIL 4 EC can be made only to cotton that has been genetically modified for crop tolerance to postemergence over-the-top applications of bromoxynil.
- (5) Do not apply the SELECT plus BUCTRIL tank mix within 75 days of harvest.
- (6) Do not exceed two applications of BUCTRIL before cotton is 12 inches tall and one application after 12 inches tall.
- (7) Use a minimum of 10 gals. of spray solution per acre.

**Table 5.**  
**SELECT 2 EC HERBICIDE TANK MIXED WITH STINGER® HERBICIDE APPLIED TO SUGAR BEETS**

PRODUCT <sup>(2)</sup>	APPLICATION RATES/ACRE <sup>(1)</sup>			CROP OIL CONC. <sup>(3)</sup>
	ANNUAL GRASSES	PERENNIAL GRASSES	GROUND	
SELECT 2 EC Herbicide	6 to 8 fl. oz.	8 to 16 fl. oz.		1% v/v
+ STINGER Herbicide	See STINGER Herbicide label for rates. Refer to the SELECT 2 EC Herbicide label for weed height and species controlled.			

- (1) If grass regrowth occurs or an additional flush of new grass emerges, make a second application of SELECT 2 EC Herbicide alone (without a tank mix herbicide), according to the appropriate size and rate recommendations.
- (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 at the listed rate (but not less than 1 pt. per acre) in the finished spray volume.

**Table 6.**  
**SELECT 2 EC HERBICIDE TANK MIXED WITH BETAMIX® OR BETANEX® APPLIED TO SUGAR BEETS**

PRODUCT <sup>(2)</sup>	WEEDS CONTROLLED	WEED HEIGHT		APPLICATION RATE/ACRE <sup>(1)</sup>
		Common Name	Scientific Name	
SELECT 2 EC Herbicide <sup>(3)</sup>	Barnyardgrass	<i>Echinochloa crus-galli</i>	1 to 3"	8 fl. oz.
	Foxtail	<i>Setaria spp.</i>	1 to 3"	
	Foxtail Millet	<i>Setaria italica</i>	1 to 3"	
	Wild Oats	<i>Avena fatua</i>	1 to 3"	
	Wild Proso Millet	<i>Panicum millaceum</i>	1 to 3"	
+ BETAMIX or BETANEX	See BETAMIX label for rates to control broadleaf weeds. <b>No additives are recommended in the tank mix.</b> See BETANEX label for rates to control broadleaf weeds. <b>No additives are recommended in the tank mix.</b>			

- (1) Do not use crop oil concentrate. No additives are recommended in the tank mix.
- (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) If grass regrowth occurs or an additional flush of new grass emerges, make a second application of SELECT 2 EC Herbicide at full label rate with appropriate rate of crop oil concentrate.

**TANK MIX APPLICATION OF SELECT 2 EC HERBICIDE AND 2,4-DB HERBICIDE FOR CONTROL OF GRASSES AND BROADLEAF WEEDS IN ALFALFA**

A tank mix of SELECT 2 EC Herbicide plus 2,4-DB (up to 1.0 lb. ai/A) can be used to control grass and broadleaf weeds listed on the two product labels. Include a crop oil concentrate containing at least 15% emulsifier at 1% v/v in the finished spray. Follow rate and other recommendations on the individual herbicide labels when applying this tank mix.

**NOTE:** SELECT 2 EC Herbicide plus 2,4-DB may increase the severity of crop injury when tank mixed. Alfalfa plants will generally outgrow this temporary crop injury within a few weeks.

**TANK MIX APPLICATION OF SELECT 2 EC HERBICIDE AND PURSUIT HERBICIDE FOR CONTROL OF GRASSES AND BROADLEAF WEEDS IN ALFALFA**

A tank mix of SELECT 2 EC Herbicide plus PURSUIT Herbicide or PURSUIT DG® Herbicide can be used to control annual grass and broadleaf weeds listed on the two product labels. Include a crop oil concentrate at 1% v/v in the finished spray. For annual grass control in alfalfa using SELECT 2 EC Herbicide plus PURSUIT use 8 to 16 fl. oz./A of SELECT 2 EC Herbicide.

Before using this tank mix, read and understand the PURSUIT or PURSUIT DG Herbicide labels for geographical restrictions and restrictions regarding alfalfa growth stage and type. Failure to do so can result in crop injury to alfalfa.

Do not feed, graze or harvest alfalfa for 30 days following an application of PURSUIT to alfalfa.

**Table 7.**  
**TANK MIX APPLICATION OF SELECT 2 EC HERBICIDE AND INSECTICIDES FOR CONTROL OF GRASS WEEDS AND INSECTS IN SOYBEANS, COTTON AND PEANUTS**

APPLICATION RATES/ACRE <sup>(1)</sup>			
PRODUCT <sup>(2)</sup>	ANNUAL GRASSES	PERENNIAL GRASSES	CROP OIL CONC. (V/V) <sup>(3)</sup>
SELECT 2 EC Herbicide	6 to 8 fl. oz.	8 to 16 fl. oz.	1%
+ ORTHENE® 75 SP or ORTHENE 97	+ 0.33 to 1.33 lbs.	+ 0.33 to 1.33 lbs.	
(For use in cotton and peanuts only, not soybeans.)			
SELECT 2 EC Herbicide	6 to 8 fl. oz.	8 to 16 fl. oz.	1%
+ ORTHENE 90 S	+ 0.25 to 1 lb.	+ 0.25 to 1 lb.	
SELECT 2 EC Herbicide	6 to 8 fl. oz.	8 to 16 fl. oz.	1%
+ DANITOL® 2.4 EC Spray <sup>(4)</sup>	+ 10-2/3 to 16 fl. oz.	+ 10-2/3 to 16 fl. oz.	
(For use in cotton and peanuts only, not soybeans.)			

- (1) If grass regrowth occurs, or an additional flush of new grass emerges, make a second application of SELECT 2 EC Herbicide alone (without a tank mix insecticide) according to the appropriate size and rate recommendations.
- (2) Refer to insecticide label for rates and weeds and insects controlled.
- (3) Always use a crop oil concentrate at the listed rate (but not less than 1 pint per acre) in the finished spray volume.
- (4) DANITOL tank mix is labeled for use in cotton and peanuts only, not soybeans.

**TANK MIX APPLICATION OF SELECT 2 EC HERBICIDE AND INSECTICIDES FOR CONTROL OF GRASS WEEDS AND INSECTS IN ALFALFA**

SELECT 2 EC Herbicide can be tank mixed with the following insecticides for use in alfalfa: BAYTHROID®, Dimethoate, LORSBAN®, POUNCE® or WARRIOR®. The SELECT 2 EC Herbicide rate should be 6 to 8 fl. oz./A for annual grass control in seedling alfalfa, minimum of 8 fl. oz./A for annual grass control in established alfalfa and 8 to 16 fl. oz./A for perennial grass control. Crop oil concentrate should be added at the rate of 1.0 to 2.0 pt./A. For the SELECT plus LORSBAN tank mix, reduce the adjuvant rate down to 1.0 pt./A when the LORSBAN rate is 1.0 pt./A or higher.

Certain insecticides may cause temporary phytotoxic symptoms on alfalfa foliage. Refer to the insecticide label for further information. It is suggested that prior to using any of these insecticide/herbicide tank mixtures, that a small area of the field be treated first and observations for crop injury be made prior to treating the whole field.

Applications must be made at a timing which falls within the guidelines of the SELECT 2 EC Herbicide label relative to weed sizes and application equipment. For these applications it is necessary to use application equipment designed for herbicide applications.

**Table 8.**  
**RECOMMENDATIONS FOR ROUNDUP READY® VOLUNTEER CORN CONTROL IN ROUNDUP READY SOYBEANS WITH SELECT 2 EC HERBICIDE TANK MIX**

PRODUCT	GRASS SPECIES	WEED STAGE	RATE FL. OZ./ACRE	ADJUVANT RATE
SELECT 2 EC Herbicide	RR Volunteer Corn	up to 12" up to 24"	4 <sup>(1)</sup> to 6 <sup>(2)</sup> 6 to 8	AMS 2.5 lbs./A
+ ROUNDUP ULTRA®			+ up to 2 qts./A	

- (1) At the 4 fl. oz./A rate of SELECT 2 EC Herbicide, the adjuvant recommendation is 1 pt./A COC plus AMS at 2.5 lbs./A.
- (2) Use the high rate under heavy grass pressure and/or when grasses are at or near maximum height.

**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 under favorable soil moisture and humidity which exist a few days after rainfall or within seven days after irrigation.
- Tank mix applications may sometimes result in reduced grass control. If regrowth occurs, or an additional flush of new grass emerges, make a second application of SELECT 2 EC Herbicide, as specified in the respective size and rate tables.
- Do not tank mix SELECT 2 EC Herbicide when broadleaf weeds are tall and/or dense enough to prevent proper grass coverage.
- This tank mix may be applied postemergence to **ROUNDUP READY soybeans** up through the full flowering stage. Do not apply later than 60 days before harvest.
- Avoid contact with foliage, green stems, or fruit crops, or any desirable plants and trees, other than soybeans with the ROUNDUP READY gene as severe injury or destruction will result.
- Do not allow the SELECT plus ROUNDUP to mist, drip, drift or splash onto desirable vegetation as minute quantities of the tank mix can cause severe damage or destruction to the crops, plants or other areas on which treatment was not intended. The likelihood of injury occurring from drift of this product is greatest when winds are gusty or in excess of 5 miles per hour. Even under lesser wind velocities, avoid conditions that allow spray drift to occur such as combinations of spray pressure and nozzle type that will result in fine particles (mist) that are likely to drift.

**DIRECTIONS FOR USE IN FALLOW LAND**

SELECT 2 EC Herbicide may be used to control annual and perennial grasses in land that has been left fallow the previous year and other non-producing agricultural areas. Apply SELECT 2 EC Herbicide at 6 to 8 fl. oz./A for annual grasses and 8 to 16 fl. oz./A for perennial grasses. When both grass and broadleaf weeds are the target pest, SELECT 2 EC Herbicide may be tank mixed with 2,4-D ester or BANVEL® SGF Herbicide for broad spectrum control. When both annual and perennial grasses occur in the same field, use a minimum of 8 fl. oz./A SELECT 2 EC Herbicide rate.

**GENERAL INFORMATION**

- Use a minimum spray volume of 5 gals./A for aerial applications and 15 gals./A for ground applications
- Apply only to actively growing grasses when the first grass reaches the recommended weed height as specified by the **Recommendations for Annual and Perennial Grasses** section of this label.
- Annual grasses which emerge after the SELECT 2 EC Herbicide application will not be controlled, and a second application may be necessary.
- The control of perennial grasses may require more than one application in non-tilled areas.

- Do not plant any crop for 30 days after application unless clethodim is registered for use in that crop.
- Do not apply to grasses that have tillered, formed seedheads or exceeded recommended growth stage.
- Do not use flood jet nozzles.
- Do not apply to drought-stressed grasses.
- Do not mow area for two weeks prior to or after the SELECT 2 EC Herbicide application.

### SELECT 2 EC HERBICIDE IN TANK MIXES TO CONTROL ANNUAL AND PERENNIAL GRASSES IN FALLOW LAND

PRODUCT	APPLICATION RATES/ACRE <sup>(1)</sup>		CROP OIL CONC. <sup>(2)</sup>	
	ANNUAL GRASSES	PERENNIAL GRASSES	GROUND	AIR
SELECT 2 EC Herbicide + 2,4-D ester or BANVEL SGF	6 to 8 fl. oz.	8 to 16 fl. oz.	1% v/v	
		0.5 lb./A		
	See BANVEL SGF label for rates			

- (1) Refer to SELECT 2 EC Herbicide label for weed height and species control. Review BANVEL SGF Herbicide and 2,4-D labels for crop restrictions, use rates and weeds controlled.
- (2) Always use a crop oil concentrate or methylated seed oil containing at least 15% emulsifier at the listed rate (but not less than 1 pt. per acre) in the finished spray volume.

### SELECT 2 EC HERBICIDE FOR THE CONTROL AND/OR SUPPRESSION OF TALL FESCUE IN NATIVE PRAIRIE WARM-SEASON GRASS RESTORATION PROJECTS

PRODUCT	PRODUCT RATES	GRASS WEEDS CONTROLLED/ SUPPRESSED		WEED STAGES
		Common Name	Scientific Name	
SELECT 2 EC Herbicide	10 to 12 fl. oz./A	Tall Fescue	<i>Festuca arundinacea</i>	4 to 6 in. (40 to 60% green-up)

**Adjuvant:** SELECT 2 EC Herbicide must be applied with crop oil concentrate at 1 qt./A, plus a spray grade ammonium sulfate at 2.5 to 4 lbs./A.

**Recommended Mixing Order:** Thoroughly mix spray grade ammonium sulfate in water, add SELECT 2 EC Herbicide, then add crop oil concentrate.

#### SPECIAL APPLICATION INSTRUCTIONS/PRECAUTIONS

Burn or mow fields a minimum of 3 weeks prior to application to remove excess crop residue. Apply in the spring, at 40 to 60% tall fescue green-up, prior to emergence of warm-season grasses. Do not mow area for 2 weeks after the SELECT 2 EC Herbicide application.

Apply in a minimum of 15 to 20 gals. of water per acre at a spray pressure of 40 to 60 PSI at the nozzle. Apply using flat fan or hollow cone nozzles. Do not use flood nozzles.

Apply only to fields that have warm-season grasses established for two years. Applications of SELECT 2 EC Herbicide to emerged warm-season grasses may cause injury. Do not apply to warm-season grasses grown for seed.

Do not graze treated fields or feed treated forage and/or hay to livestock. Do not plant any crop for 30 days after application, unless clethodim is registered for use in that crop.

**NOTE:** SELECT 2 EC Herbicide applications are most effective if applied when average nighttime temperatures are consistently greater than or equal to 47 degrees Fahrenheit.

## 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.

### 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.

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Manufactured for:

**Valent U.S.A. Corporation**

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