


Drexel®

# Me-Try-Buzin™ 4L

## Liquid Flowable Herbicide

For control of certain grasses and broadleaf weeds in Alfalfa and Sainfoin, Asparagus, Carrots, Cereals (Barley and Winter wheat), Corn (Field, Sweet), Garbanzo beans, Lentils and Peas, Potatoes, Soybeans, Sugarcane and Tomatoes.

**ACTIVE INGREDIENT:**

Metribuzin ..... 41.0%

**OTHER INGREDIENTS:** ..... 59.0%**TOTAL:** ..... 100.0%

This product contains 4 pounds of active ingredient per gallon.

## KEEP OUT OF REACH OF CHILDREN CAUTION

See FIRST AID Below

EPA Reg. No. 19713-706

EPA Est. No. 19713-MS-1

Net Content:

\_\_\_\_ Gals. (\_\_\_\_ L)

**FIRST AID****IF SWALLOWED:**

- Call a poison control center or doctor immediately for treatment advice.
- Have a person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

**IF ON SKIN OR CLOTHING:**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 20 minutes.
- Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also call CHEMTREC at 800-424-9300 for emergency medical treatment information.

**PRECAUTIONARY STATEMENTS****Hazards to Humans and Domestic Animals**

**CAUTION:** Harmful if swallowed or absorbed through skin. Avoid contact with eyes, skin or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**Applicators and other handlers must wear:** Long-sleeved shirt and long pants, waterproof gloves and shoes plus socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**ENGINEERING CONTROLS**

When handlers use closed systems, enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for Agricultural Pesticides (40 CFR 170.240(d)(4-6), the handler PPE requirements may be reduced or modified as specified in the WPS.

**USER SAFETY RECOMMENDATIONS**

**Users should:** 1) Wash hands thoroughly after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) 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 or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment washwaters.

**GROUNDWATER ADVISORY**

Metribuzin is a chemical which can travel (seep or leach) through soil and can contaminate groundwater which may be used as drinking water. Metribuzin has been found in groundwater as a result of agricultural use. Users are advised not to apply Metribuzin where the water table (groundwater) is close to the surface and where the soils are very permeable, i.e., well drained soils such as *Loamy sands*. Your local agricultural authority can provide further information on the type of soil in your area and the location of groundwater.

**DIRECTIONS FOR USE**

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

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.

Manufactured By:

**Drexel Chemical Company**

P.O. Box 13327, Memphis, TN 38113-0327

**SINCE 1972**

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## 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.

**Exception:** If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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, waterproof gloves and shoes plus socks.

## RESISTANCE MANAGEMENT

### METRIBUZIN GROUP 5 HERBICIDE

For resistance management, this product is a Group 5 mode of action herbicide. Any weed population may contain or develop plants naturally resistant to this product and other Group 5 mode of action herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance management strategies should be followed.

To delay herbicide resistance, take one or more of the following steps:

- Rotate the use of this product or other Group 5 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank-mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that considers tillage (or other mechanical control methods), cultural (e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields and planting clean seed.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or certified crop advisors for additional pesticide resistance management and/or integrated weed management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Drexel Chemical Company representatives at (901) 774-4370.

## USE INFORMATION

### MIXING

When using this product, make sure the sprayer is completely clean, free of rust or corrosion which occurs from Winter storage. Examine strainers and screens to be sure the sprayer is clean from previously used pesticides.

Any tank-mix containing this product should be kept agitated and sprayed immediately. Do not allow tank-mixes to stand for prolonged periods of time.

The proper mixing procedures for this product alone or in tank-mix combinations with other herbicides is:

1. Fill the spray tank one-fourth to one-third full with clean water.
2. Add specified rate of this product while recirculating and with agitator running.
3. Follow the triple rinse procedure described under "STORAGE AND DISPOSAL" section to ensure that all products are removed from the container.
4. Mix thoroughly and add clean water to fill spray tank to desired level.
5. Add the other herbicide to tank last and agitate thoroughly.
6. Continue agitation during application and until sprayer tank is empty.

### TANK-MIX PARTNERS

This product may be tank-mixed with other herbicides in accordance with the most restrictive of label limitations and precautions. Do not exceed label dosage rates. This product may not be mixed with any product containing a label prohibition against such mixing. Refer to the crop specific information section of this label for additional information.

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank-mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank-mixture.

### SOIL TEXTURE

As used on this label, *Coarse, Medium or Fine textured soils* are generally categorized as follows:

Coarse	Medium	Fine
Loamy sand Sandy loam	Loam Silt loam Silt Sandy clay Sandy clay loam	Silty clay Silty clay loam* Clay Clay loam
*Silty clay loam soils are transitional soils and may be classified as Medium textured soils in some regions of the U.S.		

### USE RESTRICTIONS

- For all uses: Low-pressure, high-volume handwand equipment is prohibited.
- Do not allow sprays to drift on to adjacent desirable plants.
- Do not use on other crops grown for food or forage. Apply this product only as specified on this label.
- Do not rotate any crop not listed on this label for 18 months following application of this product.

CROP ROTATION RESTRICTIONS			
Waiting Period After Application of this product*			
4 Months	Alfalfa Asparagus Barley** Corn	Forage grasses Sainfoin Soybeans	Sugarcane*** Tomatoes Wheat**
8 Months	Barley Lentils	Peas Wheat	-
12 Months	Potatoes	Rice****	-
18 Months	Onions, Sugar beets and other root crops not listed on this label; All other crops not listed on this label.		

\*Cover crops for soil building or erosion control may be planted any time, but do not graze or harvest for food or feed. Stand reductions may occur in some areas.

\*\*Following Lentils, Peas or Soybeans.

\*\*\*Do not rotate any crop not listed on this label after application of this product to Sugarcane.

\*\*\*\*Do not rotate Rice after any application to a primary crop greater than 1 lb. a.i./Ac. of this product per season.

## CHEMIGATION

This product may be used for application through sprinkler irrigation equipment to Asparagus, Potatoes, Soybeans and Tomatoes as directed on this label. Refer to the crop sections of this label for specified rates, weeds controlled or suppressed, use precautions and restrictions.

Apply this product only through sprinkler (including center pivot, lateral move or solid set) irrigation systems. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

**Calibration (Center Pivot and Self-Propelled Lateral Move Systems):** Sprinkler irrigation systems must be accurately calibrated for application of this product. Greater accuracy in calibration (and distribution) will be achieved by injecting a larger volume of a more dilute mixture of product and water per hour. Follow the steps below to calibrate center pivot and lateral move systems:

1. Determine number of minutes required to make one complete revolution while applying 0.25 to 0.75 inch of water per acre.
2. With the system at operating pressure, determine the exact number of minutes required to inject 1 gallon of water.
3. Divide the time required for one revolution (Step 1) by the time required to inject one gallon (Step 2). This gives total gallons of product-water mixture to be added to nurse tank.
4. Add required amount of water to nurse tank and start the agitation system. Then add sufficient amount of this product at the specified rate (See "BROADCAST APPLICATIONS") to the nurse tank.

**Example:** If 20 hours (1200 minutes) were required for one revolution and if 2 minutes were required to inject one gallon, then a total of 600 gallons of product-water mixture are required ( $1200/2=600$ ); to treat 135 acres at 1 pint per acre, 135 pints (16 gals. and 7 pts.) of this product are required.

If you have questions about calibration, contact State Extension Service Specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid operated valve located on the intake side of the injection pump connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Maintain continuous agitation in the injection nurse tanks during the herbicide application, sufficient to keep herbicide in suspension.

Apply specified dosage in one-fourth to three-fourths inch of water (0.25 to 0.5 inch of water on *Sandy soils*) per acre as a continuous injection in center pivot and lateral move systems or in the last 15 to 30 minutes of set in permanent solid set sprinkler systems. Application of more than the quantity of irrigation water recommended on this label may result in decreased product performance by removing the chemical from the zone of effectiveness. Where sprinkler distribution patterns do not overlap sufficiently, unacceptable weed control may

result. Where sprinkler distribution patterns overlap excessively, crop injury may result. Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. To ensure that lines are flushed and free of remaining pesticide, an indicator dye may be injected into the lines to mark the end of the application period.

Use a minimum of 1 part water to 1 part herbicide for injection. The use of a larger volume of water will ensure greater accuracy and more uniform distribution.

## AERIAL DRIFT REDUCTION ADVISORY INFORMATION

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment-and-weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.

1. The distance of the outer most nozzles on the boom must not exceed three-fourths the length of the wingspan or rotor.
2. Nozzles must always point backwards parallel with the airstream and never be pointed downwards more than 45 degrees.
3. Where states have more stringent regulations, they must be observed.
4. The applicator should be familiar with and take into account the information covered in the section "AERIAL DRIFT REDUCTION ADVISORY INFORMATION".

**INFORMATION ON DROPLET SIZE:** The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly or under unfavorable environmental conditions (see "Wind", "Temperature and Humidity" and "Temperature Inversions").

## CONTROLLING DROPLET SIZE:

- Volume - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- Pressure - Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- Number of Nozzles - Use the minimum number of nozzles that provide uniform coverage.
- Nozzle Orientation - Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.
- Nozzle Type - Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

**BOOM LENGTH:** For some use patterns, reducing the effective boom length to less than three-fourths of the wingspan or rotor length may further reduce drift without reducing swath width.

**APPLICATION HEIGHT:** Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

**SWATH ADJUSTMENT:** When applications are made with a crosswind, the swath will be displaced downwind. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with increasing drift potential (higher wind, smaller drops, etc.).

**WIND:** Drift potential is lowest between wind speeds of 2 to 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. **Note:** Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.



**TEMPERATURE AND HUMIDITY:** When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

**TEMPERATURE INVERSIONS:** Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

**SENSITIVE AREAS:** This product should only be applied when the potential for drift to adjacent sensitive areas (e.g., residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g., when wind is blowing away from the sensitive areas).

### APPLICATION OF THIS PRODUCT WITH HERBICIDE SPRAY EQUIPMENT

Use a standard low pressure (20 to 40 psi) herbicide boom sprayer equipped with suitable nozzles and screens no finer than 50 mesh in nozzle and in-line strainers. Agitate thoroughly before and during application with bypass agitation.

**GROUND APPLICATION:** Apply the proper rate of this product in a minimum of 10 to 40 gallons of spray mixture per acre broadcast.

**Banded Application:** Use proportionally less per acre of this product in a band versus a broadcast application. For band application use 0.25 to 1 gallon of spray mix per inch of band width regardless of row spacing.

**Examples:** (1) To treat a 15 inch band on rows 30 inches apart, use one-half of the broadcast rate of this product. (2) To treat a 14 inch band on rows 42 inches apart, use one-third of the broadcast rate of this product.

**AERIAL APPLICATION:** Where permitted, apply specified rate in a minimum of 2 to 10 gallons of spray mixture per acre. Do not apply aerially when wind speed is greater than 10 mph.

**FOR ALL APPLICATIONS OF THIS PRODUCT:** Sprayer must be accurately calibrated before applying this product. Check sprayer during application to be sure it is working properly and delivering a uniform spray pattern. As the volume of spray mixture decreases per acre, the importance of accurate calibration and uniform application increases. Avoid other application, misapplication and boom and spray swath overlapping that will increase spray dosage. (Crop injury may occur as a result.) Avoid spray skips and gaps which allow weeds to grow in untreated soil.

Do not apply when weather conditions favor spray drift and/or when sensitive or cool season crops, such as Cole crops, Onions, Peas or Strawberries are present in adjacent fields or in areas where Wheat is growing in *Coarse textured soils*.

**SPRAYER CLEANUP:** Spray equipment must be thoroughly cleaned to remove remaining traces of herbicide that might injure other crops to be sprayed. Drain any remaining spray solution of this product from the spray tank and dispose of according to label disposal instructions. Rinse the spray tank and refill with water, adding a heavy duty detergent at the rate of 1 cup per 20 gallons of water. Recycle this mixture through the equipment for 5 minutes and spray out. Repeat this procedure twice. Fill the spray tank with clean water, recycle for 5 minutes and spray out. Clean pump and nozzle screens thoroughly. Wash away spray mixture from the outside of spray tank, nozzles or spray rig. All rinse water must be disposed of in compliance with local, state and federal guidelines.

### APPLICATION OF THIS PRODUCT IN FLUID FERTILIZERS

This product may be applied in fluid fertilizer solutions to Alfalfa and Soybeans by following the appropriate mixing procedures and compatibility check. When using tank-mix combinations, be sure all components are compatible.

Compatibility checks of this product and tank-mix combinations which include this product should be made for each batch of fluid fertilizer because of the variability of these fertilizers.

### Compatibility Check:

1. Pre-mix 2 teaspoonful of this product with 8 teaspoonful of water (1:4 ratio) in a quart jar by adding the water first followed with this product. Mix thoroughly. If a second herbicide is to be used, double the amount of water (1:8 ratio) and add the second herbicide after mixing this product first.
2. Then pour 1 pint of fluid fertilizer into the quart jar and shake well.
3. Allow to stand for 5 minutes.

THIS COMPATIBILITY CHECK SHOULD ONLY BE USED WHEN MIXING WITH FLUID FERTILIZERS.

**Interpretation of Results:** If the solution in the jar appears to be uniform, without signs of agglomeration or without a separation of an oily film on top of the fertilizer, the mixture may be used. If not, repeat the compatibility check using twice the amount of water or add a compatibility agent to the water. If separation occurs, but the mixture can be re-suspended by shaking, then application is possible with good agitation in the spray tank.

### Tank-Mixing Guidelines:

1. Add the required amount of water and compatibility agent (if required) to the tank. Start agitation while adding this product and follow by adding the fluid fertilizer and agitate.
2. If a second herbicide is to be used, follow as above in 1, but use twice the amount of water. Start agitation and add this product and follow by adding the second herbicide, and then continue filling the tank with fluid fertilizer.
3. Maintain continuous agitation to ensure uniform spray mixture until the tank is emptied.

### COMMERCIAL IMPREGNATION AND APPLICATION OF THIS PRODUCT ON DRY BULK FERTILIZER

Dry bulk fertilizer may be impregnated or coated with this product for application to established Alfalfa and to Soybeans. All directions, restrictions and special precautions on this label must be followed along with state regulations relating to dry bulk fertilizer blending, impregnating and labeling.

**Impregnation:** To impregnate, use a system consisting of a belt, conveyor or closed drum which is used for dry bulk fertilizer blending. Any commonly used fertilizer can be impregnated with this product except ammonium nitrate or fertilizers containing ammonium nitrate, potassium nitrate or sodium nitrate. Do not use on powder limestone. Apply using a minimum of 200 pounds dry bulk fertilizer per acre and up to a maximum of 450 pounds per acre. To impregnate or coat dry bulk fertilizer, mix this product with sufficient water to form a sprayable slurry. The delivery nozzles must be directed to deliver a fine spray toward the fertilizer for thorough coverage while avoiding spray contact with mixing equipment. Uniform impregnation of this product to dry bulk fertilizer will vary and if the absorptivity is not adequate, an absorptive powder may be added to produce a dry, free-flowing mixture. Micro-Cel® E (Johns-Manville Product Corporation) is the recommended absorbent powder. When another herbicide is used with this product, mix and impregnate immediately.

Apply immediately after impregnation unless experience has shown that impregnated fertilizer can be stored without becoming lumpy and difficult to spread.

**Rates:** Select the specified rate of this product per acre from the appropriate section of this label and refer to the formula below to determine the amount of this product which is to be impregnated on a ton of dry bulk fertilizer based on the amount of fertilizer which will be distributed on one acre.

$$\begin{array}{ccccccc} \text{Pts. of} & & 2000 \text{ Lbs.} & & \text{Pts. of} & & \\ \text{This product} & \times & \text{Fertilizer} & = & \text{This product} & & \\ \text{Acre} & & \text{Acre} & & \text{Ton of Fertilizer} & & \end{array}$$

**APPLICATION:** Uniform application is essential for satisfactory weed control. Accurate calibration of fertilizer application equipment is essential for uniform distribution to the soil surface. The method of application is to apply half of the specified rate and overlap 50% or to double apply by splitting the middles to obtain the best distribution pattern.

If fertilizer materials are excessively dusty, use diesel oil or other suitable additive to reduce dust prior to impregnation as dusty fertilizer will result in poor distribution during application. Crop injury and/or poor weed control may occur where the impregnated fertilizer is not uniformly applied.

**INCORPORATION AND COMBINATION USES:** When this product is to be used in combination with another herbicide, follow directions on this label for combinations, rates, crops, incorporation and special precautions.

## CROPS

### ALFALFA AND SAINFOIN

This product is labeled for use in Alfalfa and Sainfoin in the following areas:

1. Alfalfa and Sainfoin (including mixed stands with grasses) (all areas except California).
2. Alfalfa and Sainfoin (including mixed stands with grasses) (California only).
3. Alfalfa – Tank-mix combination with Paraquat (e.g., Quik-Quat™, Gramoxone®) (Colorado, Idaho, Montana, Nevada, Oregon, Utah, Washington, Wyoming and the following California counties: Del Norte, Lassen, Modoc, Nevada, Plumas, Shasta, Sierra and Siskiyou).
4. Alfalfa – Post-dormant application of this product impregnated on dry fertilizer only (Connecticut, Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Nebraska, New Mexico, New York, Ohio, Oklahoma, Pennsylvania, South Dakota, Tennessee, Texas and Wisconsin).

This product may be used in aerial or ground spray equipment as a broadcast surface application to established crops of Alfalfa and Sainfoin for the control of certain grass and broadleaf weeds.

**Application:** Refer to "USE INFORMATION" section for detailed information on the application of this product. For information on applying this product in fluid or on dry fertilizer, refer to the section "APPLICATION OF THIS PRODUCT IN FLUID FERTILIZERS" or "COMMERCIAL IMPREGNATION AND APPLICATION OF THIS PRODUCT ON DRY BULK FERTILIZER".

#### Use Precautions:

- For best weed control, apply this product when weeds are less than 2 inches tall or before weed foliage is 2 inches in diameter.
- Reduced weed control may occur when extended dry conditions follow application of this product.
- Crop injury may occur when:
  - Crop is under stress conditions such as diseases, insect infestations, poorly drained soils, drought or Winter injury at time of application;
  - Crop is treated within 12 months after seeding;
  - There is excessive irrigation or rainfall immediately after application. Do not apply more than one-half inch of water in the first irrigation after this product is applied.

#### Use Restrictions:

- Use this product only on established Alfalfa and Sainfoin.
- Do not apply this product after growth begins in the Spring or before growth ceases in the Fall, except as specified on this label.
- Grazing and Pre-Harvest Interval (PHI): Do not graze or harvest within 28 days after application.

### ALFALFA AND SAINFOIN - ALL AREAS EXCEPT CALIFORNIA

#### Application:

BROADCAST APPLICATIONS	
Crop	This product (Pts./ Ac.)
Alfalfa and Sainfoin (Except California)	0.5 to 2
Select the proper dosage according to weeds known to be and present in field to be treated. On Loamy sand soils in Oregon and Washington, do not apply more than 1 pt./Ac. of this product.	

#### Weeds Controlled:

0.5 to 0.75 Pt./Ac. of this product			
Chickweed, Common ( <i>Stellaria media</i> )	-	-	-
(Continued)			

#### Weeds Controlled (Cont.)

0.75 to 1 Pt./Ac. of this product			
Brome, Downy ( <i>Bromus tectorum</i> )	Cheatgrass (Downy brome) ( <i>Bromus secalinus</i> )	Pennycress, Field ( <i>Thlaspi arvense</i> )	Shepherdspurse ( <i>Capsella bursa-pastoris</i> )
Brome, Japanese ( <i>Bromus japonicus</i> )	Deadnettle, Purple ( <i>Lamium purpureum</i> )	Rescuegrass ( <i>Bromus catharticus</i> )	
1 to 2 Pts./Ac.* of this product			
Broadleaves			
Buckwheat, Wild ( <i>Polygonum convolvulus</i> )	Kochia ( <i>Kochia scoparia</i> )	Mustard, Blue ( <i>Chorispora tenella</i> )	Pigweed, Redroot ( <i>Amaranthus retroflexus</i> )
Cockle, White ( <i>Melandrium album</i> )	Lambsquarters, Common ( <i>Chenopodium album</i> )	Mustard, Jim Hill ( <i>Tumble</i> ) ( <i>Sisymbrium altissimum</i> )	Rocket, Yellow ( <i>Barbarea vulgaris</i> )
Fleabane, Rough ( <i>Erigeron strigosus</i> )	Lettuce, Prickly ( <i>Lactuca serriola</i> )	Mustard, Tansy ( <i>Descurainia pinnata</i> )	Salsify, Meadow ( <i>Tragopogon pratensis</i> )
Flixweed ( <i>Descurainia sophia</i> )	Marestail ( <i>Horseweed</i> ) ( <i>Conyza canadensis</i> )	Pepperweed ( <i>Lepidium virginicum</i> )	
Henbit ( <i>Lamium amplexicaule</i> )			
Grasses			
Barley, Little ( <i>Hordeum pusillum</i> )	Brome, Smooth ( <i>Bromus inermis</i> )	Foxtail, Green ( <i>Setaria viridis</i> )	Oats, Wild ( <i>Avena fatua</i> )
2 Pts./Ac.* of this product			
Broadleaves			
Chickweed, Mouseear ( <i>Cerastium vulgatum</i> )	Dandelion ( <i>Taraxacum officinale</i> )	Ragweed, Common ( <i>Ambrosia artemisiifolia</i> )	-
Grasses			
Barley, Foxtail ( <i>Hordeum jubatum</i> )	Barnyardgrass ( <i>Echinochloa crus-galli</i> )	Bluegrass ( <i>Poa annua</i> )	-
*Weeds Partially Controlled: At the rate of 1 to 2 pts./Ac., this product may be used to reduce the competition of German moss or Knawel ( <i>Scleanthus annus</i> ). At the rate of 2 pts./Ac., this product may be used to reduce the competition from Curly dock ( <i>Rumex crispus</i> ).			

#### For Use on Mixed Stands of Alfalfa and Grasses:

Rates of 1 to 1.5 pints of this product per acre will provide partial reduction of forage grass stands. These rates may be used to reduce forage grass stands to prevent crowding out of Alfalfa. Higher rates will severely reduce forage grass stands.

This product should not be used on *Sand soils*. In areas west of the Rocky Mountains, avoid using this product on soils with calcareous surface area, high levels of lime or sodium or a pH greater than 8.2.

### ALFALFA AND SAINFOIN INCLUDING MIXED STANDS WITH GRASSES - CALIFORNIA ONLY

#### Application:

This product may be used in aerial or ground spray equipment as a broadcast surface application to dormant established crops of Alfalfa and Sainfoin for control of certain grass and broadleaf weeds.

Do not apply this product after growth begins in the Spring or before growth ceases in the Fall. Do not apply to either Alfalfa or Sainfoin during the first growing season after seeding.

For information on applying this product in fluid fertilizer solutions to Alfalfa, refer to the appropriate section of this label.

For information on commercial impregnation and application of this product on dry bulk fertilizer, refer to the appropriate section of this label.

BROADCAST APPLICATIONS	
Crop	This product (Pts./ Ac.)
Alfalfa and Sainfoin (California Only)	0.75 to 2
Select the proper dosage according to weeds known to be present in the field to be treated. Apply specified dosage in 20 to 40 gals. of water per acre with ground spray equipment or 3 to 10 gals. of water per acre with aerial spray equipment fitted with nozzles suitable for broadcast applications of herbicides. Treat only dormant established crops of Alfalfa and Sainfoin. Injury may occur to Alfalfa if this product is applied earlier than 12 months after seeding. Do not apply after Spring growth begins or before growth ceases in the Fall. Do not graze or harvest within 28 days after application.	

#### Weeds Controlled:

0.75 to 1 Pt./Ac. of this product			
Cheatgrass (Downy brome) ( <i>Bromus secalinus</i> )	-	-	-
1 to 2 Pts./Ac. of this product			
Broadleaves			
Buckwheat, Wild ( <i>Polygonum convolvulus</i> )	Flixweed ( <i>Descurainia sophia</i> )	Mustard, Tansy ( <i>Descurainia pinnata</i> )	Salsify, Meadow ( <i>Tragopogon pratensis</i> )
Chickweed, Common ( <i>Stellaria media</i> )	Henbit ( <i>Lamium amplexicaule</i> )	Pepperweed, Virginia ( <i>Lepidium virginicum</i> )	Shepherds-purse ( <i>Capsella bursa-pastoris</i> )
Cockle, White ( <i>Melandrium album</i> )	Kochia ( <i>Kochia scoparia</i> )	Rocket, Yellow ( <i>Barbarea vulgaris</i> )	
	Mustard, Blue ( <i>Chlorispora tenella</i> )		
Grasses			
Brome, Smooth ( <i>Stellaria media</i> )	Oats, Wild ( <i>Avena fatua</i> )	-	-
2 Pts./Ac.* of this product			
Broadleaves			
Dandelion ( <i>Taraxacum officinale</i> )	-	-	-
Grasses			
Barley, Foxtail ( <i>Hordeum jubatum</i> )	Barnyardgrass ( <i>Echinochloa crus-galli</i> )	Bluegrass ( <i>Poa annua</i> )	-
*At the rate of 2 pts./Ac., this product may be used for suppression of Curly dock.			

#### For Use on Mixed Stands of Alfalfa and Grasses:

Rates of 1 to 1.5 pints per acre of this product will provide partial reduction of forage grass stands. These rates may be used to reduce forage grass stands to prevent crowding out of Alfalfa. Higher rates will severely reduce forage grass stands.  
Do not apply with aerial spray equipment when wind speed is greater than 10 mph. Do not apply when weather conditions favor spray drift and/or when sensitive cool season crops, such as Cane sprays, Onions, Peas or Strawberries are present in adjacent fields. Do not apply when weather conditions favor spray drift, especially in areas where Wheat is growing on *Coarse textured soils* in adjacent fields or injury may occur.

**ALFALFA – THIS PRODUCT TANK-MIXED WITH PARAQUAT (e.g., Quik-Quat, Gramoxone)**  
(Colorado, Idaho, Montana, Nevada, Oregon, Utah, Washington, Wyoming and the following California counties: Del Norte, Lassen, Modoc, Nevada, Plumas, Shasta, Sierra and Siskiyou)

#### Application:

This product plus Paraquat (e.g., Quik-Quat, Gramoxone) tank-mixed may be used during the dormant season in aerial or ground spray equipment as a broadcast surface application to established Alfalfa for the control of certain grass and broadleaf weeds.  
Do not apply this product plus Paraquat (e.g., Quik-Quat, Gramoxone) tank-mixed to growth that is more than 2 inches tall. Apply once per season. Do not apply following cuttings during growth season. Use a

minimum of 10 gallons of water per acre with aerial spray equipment and a minimum of 20 gallons of water per acre with ground spray equipment. Add a non-ionic spreader at label rates to the spray solution.

Rate /Ac.	BROADCAST APPLICATIONS
0.5 to 1.5 pts. of this product + 1.5 to 2.5 pts. of Quik-Quat or 2 to 3 pts. of Gramoxone	Apply specified dosages of this product and Quik-Quat or Gramoxone in at least 10 gals. of water per acre with aerial equipment or at least 20 gals. of water per acre with ground equipment. Do not apply this tank-mix to Alfalfa growth if more than 2 inches tall. For best weed control, apply when broadleaf weeds and grasses are 1 to 6 inches tall and are actively growing. Care should be taken to avoid overlaps. Do not apply more than 1 pt./Ac. of this product on Loamy sand soils. Reduced weed control may occur when extended dry conditions follow application of this product. Crop injury may occur if Alfalfa is under stress conditions such as diseases, insect infestations, drought or Winter injury or if this product is applied to Alfalfa earlier than 12 months after seeding.

#### Weeds Controlled:

This product plus Paraquat (e.g., Quik-Quat at 1.5 to 2.5 pts./Ac.; Gramoxone at 2 to 3 pts./Ac.) tank-mixed will control established weeds. Paraquat (e.g., Quik-Quat, Gramoxone) controls weeds by contact activity.

0.5 to 0.75 Pts./Ac. of this product			
Chickweed, Common	-	-	-
0.75 to 1.5 Pts./Ac. of this product			
Bluegrass Brome, Downy Brome, Japanese	Cheat Henbit	Pennycress, Field Rescuegrass	Shepherds-purse
1 to 1.5 Pts./Ac. of this product			
Barley, Little Brome, Smooth Buckwheat, Wild Cockle, White Fleabane, Rough	Flixweed Foxtail, Green Groundsel Kochia Lambsquarters, Common Lettuce, Prickly	Marestail (Horseweed) Mustard, Blue Mustard, Jim Hill Mustard, Tansy Oats, Wild Pepperweed	Pigweed, Redroot Rocket, Yellow Ryegrass Salsify, Meadow Sowthistle

#### For Use on Mixed Stands of Alfalfa and Grasses:

Rates of 1 to 1.5 pints per acre of this product will provide partial reduction of forage grass stands. These rates may be used to reduce forage grass stands to prevent crowding out of Alfalfa.

Do not graze or harvest within 42 days after application.

In areas west of the Rockies, avoid the use of this product on soils with calcareous surface, soils with high levels of lime or sodium and with a pH greater than 8.2.

Do not apply when weather conditions favor spray drift. Aerial application should not be made when wind speed is greater than 10 mph.

Do not use on *Sand soil*.

Refer to the Paraquat (e.g., Quik-Quat, Gramoxone) tank-mix partner's label for additional directions, weed species controlled and precautions.

#### ALFALFA - POST-DORMANT APPLICATION OF THIS PRODUCT IMPREGNATED ON DRY FERTILIZERS ONLY

(Connecticut, Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Nebraska, New Mexico, New York, Ohio, Oklahoma, Pennsylvania, South Dakota, Tennessee, Texas and Wisconsin)

This product may be applied after dormancy has broken, but prior to 3 inches of new Alfalfa shoot growth, only when impregnated on dry fertilizer in Connecticut, Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Nebraska, New Mexico, New York, Ohio, Oklahoma, Pennsylvania, South Dakota, Tennessee, Texas and Wisconsin.



Apply at rates of 1.5 to 2 pints per acre of this product as directed on this label for application during dormancy. Apply only when Alfalfa foliage is dry or crop injury may occur. When using this application method, do not harvest or graze treated Alfalfa for 60 days after application.

## ASPARAGUS (ESTABLISHED)

### Application:

This product may be used in ground spray equipment or sprinkler irrigation (center pivot, lateral move or solid set) systems as a single pre-emergence broadcast application or as a split application consisting of a pre-emergence broadcast application followed by a post-harvest broadcast application.

Refer to the "USE INFORMATION" section of this label for directions.

BROADCAST APPLICATIONS	
Crop	This product (Pts. / Ac.)
Asparagus (Pre-emergence application only)	2 to 4  <b>Pre-emergence Application Only:</b> Make a single surface application in early Spring before Asparagus spears or ferns emerge. If the field is to be disked, apply this product after disking but before crop emerges. Use the lower specified rate for control of the broadleaf weeds listed above. Use the higher rate in fields with a history of severe infestations of grasses and for maximum residual control. Do not apply within 14 days of harvest.
Asparagus (Split application)	1 to 2 (Pre-emergence) + 2 to 3 (Post-harvest)  <b>Split Application: Pre-emergence and Post-harvest</b> <b>Pre-emergence Application:</b> Apply before Asparagus spears or ferns emerge. If the field is to be disked, apply after disking but prior to crop emergence. Do not apply within 14 days of harvest. <b>Post-harvest Application:</b> Apply after last harvest of the season but prior to emergence. The lower combination rates may be used for control of Common ragweed, Lambsquarters, Redroot pigweed and Red sorrel. Use the higher specified combination rates for other weeds listed or in fields with severe grass infestations or for maximum post-harvest control of emerged weeds.
<b>IMPORTANT:</b> The total amount of this product applied in one crop season may not exceed 4 pts./Ac.	

### Weeds Controlled:

This product applied to established Asparagus according to label directions will effectively control the following weeds:

Broadleaves			
Chickweed, Common ( <i>Stellaria media</i> )	Lambsquarters ( <i>Chenopodium album</i> )	Ragweed, Common ( <i>Ambrosia artemisiifolia</i> )	Sorrel, Red ( <i>Rumex acetosella</i> )
Jimsonweed ( <i>Datura stramonium</i> )	Pigweed, Redroot ( <i>Amaranthus retroflexus</i> )	Smartweed, Pennsylvania ( <i>Polygonum pennsylvanicum</i> )	Velvetleaf ( <i>Abutilon theophrasti</i> )
Grasses			
Crabgrass ( <i>Digitaria spp.</i> )	Foxtails ( <i>Setaria spp.</i> )	Sandbur, Field ( <i>Cenchrus pauciflorus</i> )	-

### Use Restrictions:

- Aerial application is prohibited.
- Do not use on newly seeded Asparagus nor on young plants during the first growing season after setting crowns.
- Do not make post-harvest applications until after the last harvest of spears.
- Pre-Harvest Interval (PHI): Do not apply within 14 days of harvest.

## CARROTS

**Special Conditions of Sale Provision for Use on Carrots:** The following directions for use were developed under the direction of IR-4 (government minor crops use program). As such, the testing was done independently.

### Application:

Apply this product with ground equipment as specified below. For effective control of broadleaf weeds with post-emergence applications, apply this product before weeds are 1 inch in height or diameter. Thorough spray coverage is essential for adequate weed control.

Do not use airblast or other high pressure spray equipment to make post-emergence applications of this product. Refer to the appropriate section of this label for additional information regarding spray equipment, dilution rates, mixing, sprayer cleanup, restrictions, container disposal and precautions.

Refer to "MIXING" under the "USE INFORMATION" section in the front of this label.

For specific application information, see "USE INFORMATION" section at the front of this label.

BROADCAST APPLICATIONS	
Crop	This product (Pt. / Ac.)
Carrots	0.5  Apply specified dosage per acre as a broadcast spray over the top of Carrots plants after Carrots have formed 5 to 6 true leaves but before weeds are 1 inch in height or diameter. If needed, a second application may be made after an interval of at least 3 weeks. Applications may be made up to 60 days of harvest.
<b>IMPORTANT:</b> The total amount of this product applied in one crop season must not exceed 1 pt./Ac.	

### Weeds Controlled:

This product applied to Carrots according to label directions will effectively control the following weeds:

Carpetweed ( <i>Mullugo verticillata</i> )	Lettuce, Prickly ( <i>Lactuca serriola</i> )	Pigweed, Redroot ( <i>Amaranthus retroflexus</i> )	Shepherds-purse ( <i>Capsella bursa-pastoris</i> )
Galinsoga ( <i>Galinsoga parviflora</i> )	Marestail (Horseweed) ( <i>Conyza canadensis</i> )	Pigweed, Smooth ( <i>Amaranthus hybridus</i> )	
Lambsquarters, Common ( <i>Chenopodium album</i> )	Mustard, Wild ( <i>Sinapis arvensis</i> )	Pineappleweed ( <i>Matricaria matricarioides</i> )	

### Use Precautions:

- Crop injury or delayed maturity may result from applications of this product if Carrots are growing under stress conditions such as periods of drought or cool, wet and cloudy weather preceding application.
- Following an application of this product, chlorosis (yellowing) and burning of the leaf tissue may occur.
- For newly introduced varieties of Carrots with unknown tolerance to this product, treat only a small area to determine if this product can be used without injury to the crop.

### Use Restrictions:

- Do not apply to Carrots grown for seed.
- Do not apply within 3 days after periods of cool, wet or cloudy weather or crop injury will occur.
- Do not apply this product within 3 days of any other chemical unless specified on this label.
- Do not apply on very hot days or excessive crop injury will result.
- Do not apply until Carrots have at least 5 to 6 true leaves. Earlier applications will result in excessive crop damage.
- Pre-Harvest Interval (PHI): Do not apply within 60 days of harvest.

## CEREALS (SPRING AND WINTER BARLEY, WINTER WHEAT)

This product may be used to control or suppress certain grasses and broadleaf weeds when applied post-emergence to Spring and Winter barley or Winter wheat. This product alone and several tank-mixture treatments may be used in the following states: AR, GA, ID, IL, IN, KS, KY, LA, MS, MO, MT, NV, OH, OK, OR, TN, TX, UT, WA.

**Performance Factors:**

Weed control may not be observed for 2 to 4 weeks under normal growth conditions and for 4 to 6 weeks under very dry conditions. Moisture (at least 0.5 inch) is required within 2 to 3 weeks after application to move this product into the weed root zone. Lack of adequate moisture after application may result in poor or erratic weed control. Control or suppression of listed weeds is dependent on weed size at time of application. Control or suppression may be reduced if broadleaf weeds are taller than 1 inch or grasses have more than 2 leaves.

**Mixing:**

See the "USE INFORMATION" section of this label for specific mixing procedures. When tank-mixing, carefully follow the instructions on this label. Refer to the other product labels registered for use in Barley and Winter wheat for additional use directions, rates, weeds controlled and restrictions.

**Application:**

This product alone or in tank-mixture with labeled broadleaf herbicide(s) may be applied by aerial or ground application equipment. Use a minimum spray volume of 2 gpa by air and 10 gpa by ground. Uniform spray coverage is necessary to obtain maximum weed control and to minimize potential for crop injury. Do not exceed rates specified on this label. Do not apply this product through any type of irrigation equipment. Apply this product when the crop is healthy and actively growing. This product may be applied more than once per crop season. Allow a minimum of 21 days between applications if Wheat is actively growing or allow 45 days between applications if Wheat is growing in adverse conditions, has entered dormancy or is stressed due to frost damage, disease, drought or excessive moisture. Do not use on soils containing less than 0.75% organic matter. Do not apply more than a total of 16 fluid ounces of this product (8 ozs. a.i.) per acre per year. On irrigated Cereals, do not apply more than 0.5 inch of water for the first irrigation; the maximum amount for each additional irrigation should not exceed 1 inch. Allow a minimum of 14 days between the first irrigation and subsequent irrigations.

POST-EMERGENCE BROADCAST APPLICATIONS OF THIS PRODUCT			
Crop Growth Stage	Soil Texture	This product (Fl. Oz./Ac.)	
		Organic Matter	
		0.75 to 2.0%	> 2.0%
2 Leaf to 2 Tillers	Coarse	1.5 to 3	1.5 to 4.5
	Medium	1.5 to 4.5	3 to 4.5
	Fine	3 to 4.5	3 to 6
Use these rates on crops with secondary roots smaller than 1 inch. For dryland Winter wheat (non-irrigated), apply the highest specified rate to achieve maximum weed suppression/control.			
3 to 4 Tillers	Coarse	4.5 to 6	6 to 7.5
	Medium	6 to 7.5	7.5 to 9
	Fine	7.5 to 9	7.5 to 9
Do not apply within 2 weeks after grazing or breaking of Winter dormancy. Apply after the crop is at or beyond the 3 tiller growth stage but before jointing. Secondary roots should be developed and larger than 1 inch long. Do not apply before 75 days after planting. For dryland Winter wheat (non-irrigated), apply the highest specified rate to achieve maximum weed suppression/control. <b>Georgia Only:</b> Wheat must be planted before November 15 in the Piedmont area and northern part of the state, and before December 1 in the Coastal Plains area.			
(Continued)			

# **POST-EMERGENCE BROADCAST APPLICATIONS OF THIS PRODUCT (Cont.)**

Crop Growth Stage	Soil Texture	This product (Fl. Oz./Ac.)	
		Organic Matter	
		0.75 to 2.0%	> 2.0%
Over 4 Tillers	Coarse	6 to 9	7.5 to 12
	Medium	6 to 12	7.5 to 12
	Fine	7.5 to 12	12 to 16
Do not apply within 2 weeks after grazing or breaking of Winter dormancy. Apply after the crop is at or beyond the 3 tiller growth stage but before jointing. Secondary roots should be developed and larger than 1 inch long. Do not apply before 75 days after planting. For dryland Winter wheat (non-irrigated), apply the highest specified rate to achieve maximum weed suppression/control. <b>Georgia Only:</b> Wheat must be planted before November 15 in the Piedmont area and northern part of the state, and before December 1 in the Coastal Plains area.			

**Weeds Controlled:**

Used at specified rates, this product will control many annual broadleaf weeds. Control is best when applied to young, actively growing weeds. Weeds controlled by this product include:

Bittercress	Evening	Knotweed,	Polemonium,
Catchfly,	Primrose,	Prostrate	Annual
Conical	Cutleaf	Lambsquarter,	(Jacob's
(Sand)	Falseflax,	Common	ladder)
Catchweed	Smallseed	Lettuce, Miners	Radish, Wild
(Madwort)	Fiddleneck,	Mustard, Blue	Shepherds-
Chickweed,	Tarweed	Mustard, Wild	purse
Common	Filaree,	Pennycress,	Speedwell,
Chickweed,	Redstem	Field	Ivyleaf
Mouseear	Geranium,	Pepperweed,	Turnip, Wild
Corncockle	Carolina	Virginia	
Dogfennel	Gromwell, spp.	Pigweeds, spp.	
(Mayweed)	Henbit	Pineappleweed	

**Weeds Suppressed:**

Control of the following weeds by this product varies from poor to excellent depending on time of application, stage of growth at application, temperatures and soil moisture conditions following treatment. For maximum effect on these weeds, apply the highest labeled rate at the earliest growth stage timing for each particular soil type and organic matter. Suppression is a reduction in weed size and growth as compared to a non-treated area in the same field.

Broadleaves			
Buckwheat,	Kochia*	Mustard,	Thistle,
Wild*	Lettuce, Prickly	Tumble	Russian
Buttercup, spp.	Mustard, Tansy	(Jim Hill)*	Vetch, Winter
Cowcockle			
Grasses			
Barley,	Bluegrass,	Cheat*	Whitlowgrass,
Hare (Wild)	Bulbous	Foxtail, spp.*	Spring
Barley, Little	Brome, Downy*	Oats, Wild*	(Vernal)
Blackgrass	Brome,	Rescuegrass*	Windgrass
Bluegrass,	Japanese*		
Annual	Brome, Rippgut*		

\*Use the highest labeled rate of this product for maximum weed suppression.

**Tank-Mixtures:**

This product may be tank-mixed with 2,4-D (e.g., De-Amine®, De-Ester®), Bromoxynil (e.g., Buctril®), Chlorsulfuron + Metsulfuron (e.g., Finesse®), Chlorsulfuron (e.g., Glean®), Dicamba (e.g., Dicamba DGA or Clarity®), MCPA, Metsulfuron (e.g., Ally®), Triasulfuron (e.g., Amber®), Thifensulfuron + Tribenuron (e.g., Harmony® Extra) herbicides. A non-ionic surfactant containing at least 80% active ingredient (e.g., Surf-Ac® 820) may be used in this product tank-mixes with Sulfonyleurea herbicides (e.g., Ally, Amber, Finesse, Glean and Harmony Extra). Do not use a Crop Oil Concentrate (COC) or any adjuvant containing vegetable or petroleum oils with any tank-mixture with this product as crop injury may result. Additional pesticides may also be tank-mixed with this product unless specifically prohibited on



the label of the tank-mix product(s). In some instances, combinations with organophosphate insecticides may cause temporary leaf yellowing and/or crop injury, especially when widely fluctuating day/night temperatures occur near application. Always refer to the other product labels registered for use on Cereals for additional directions, rates and weed species controlled.

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank-mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank-mixture.

#### Use Precautions:

Crop injury may occur if this product is applied:

1. When the crop is under stress such as Winter kill, frost damage, disease, drought or excessive moisture, severe grazing or when these conditions follow the application.
2. In combination with fluid fertilizer especially with the addition of surfactant.
3. Prior to the growth stage specified on this label.
4. To soils high in lime or sodium, a pH greater than 7.7, calcareous, gravelly, thinly covered or exposed subsoil areas.
5. To fields where Cereal seeds have been planted less than 1 inch deep.
6. To a non-Winter hardy Wheat or Barley variety.
7. To a sensitive Wheat or Barley variety as listed below.
8. To frozen soil or crop still in Winter dormancy.

#### Use Restrictions:

- Do not graze or harvest Barley before crop maturity.
- Grazing and Pre-Harvest Interval (PHI): Do not graze Wheat within 14 days of application of this product or harvest grain within 21 days after last application.

#### Spring and Winter Barley and Winter Wheat Rotations Following Potatoes Treated with this product:

If planting a sensitive Cereal variety (see "*Wheat and Barley Varietal Tolerance*" section below) following Potatoes treated with this product or Metribuzin containing products, refer to the "*POTATO*" section of this product label for special cultural practices to follow.

#### Wheat and Barley Varietal Tolerance:

Wheat and Barley varieties vary in their tolerance to this product. To avoid possible crop injury on any Wheat and/or Barley variety, contact your local agricultural extension specialist or seed company representative for a variety recommendation prior to treatment or treat a small strip of the unlisted variety with the labeled rate of this product to ascertain crop tolerance before treating an entire field.

**Spring/Durum Wheat:** Avoid use of this product on Spring Wheat and Durum Wheat varieties.

#### WHEAT / FALLOW / WHEAT ROTATION (Idaho, Oregon, Utah and Washington Only)

##### Application During Fallow Period:

This product may be applied to provide weed control during the fallow period after Wheat harvest or in the Spring before Winter wheat is planted. Winter wheat can be seeded 4 months (120 days) after Spring application. Mechanical tillage or the application of a contact herbicide may be required to control weeds germinating prior to seeding of Winter wheat. Best results will be obtained where straw and chaff are evenly distributed across the field.

For specific application information, see the "*USE INFORMATION*" section in the front of this label.

Where weed growth is present at application time, apply this product with Paraquat (e.g., Quik-Quat or Gramoxone) or other contact herbicide. Refer to the other product label registered for additional directions, rates and weed species controlled.

##### Application After Harvest (Fall Fallow):

This product may be applied to Wheat stubble after harvest in the Fall. Apply 1 to 1.25 pints per acre broadcast before weeds emerge. Use higher rate for longer weed control or for weeds designated as requiring the higher rate for control. Rainfall (0.5 inch or more) is necessary for herbicide activation.

Do not plant crops in treated areas for at least 10 months following Fall applications. Do not rotate any crop not listed on this label for 18 months following application of this product.

This product may be applied at 1 to 1.25 pints per acre as directed above for a Fall application. If other vegetation is present at the time of application, use a contact herbicide.

#### Spring Application (Summer Fallow):

This product may be applied to Wheat stubble in the Spring. Apply 0.75 to 1 pint per acre broadcast before weeds emerge in the Spring. Use higher rate for longer weed control or weeds designated as requiring higher rate for control. Rainfall (0.5 inch or more) is necessary for herbicide activation.

#### Weeds Controlled:

Broadleaves			
Chickweed, Common ( <i>Stellaria media</i> )	Mustard, Blue or Purple ( <i>Chorispora tenella</i> )	Mustard, Wild ( <i>Brassica kaber</i> )	Thistle, Russian* ( <i>Salsola iberica</i> )
Henbit ( <i>Lamium amplexicaule</i> )	Mustard, Jim Hill ( <i>Sisymbrium altissimum</i> )	Pennycress, Field ( <i>Fanweed</i> ) ( <i>Thlaspi arvense</i> )	
Kochia* ( <i>Kochia scoparia</i> )	Mustard, Tansy ( <i>Descurainia pinnata</i> )	Pigweeds ( <i>Amaranthus</i> spp.)	
Lambsquarters, Common ( <i>Chenopodium album</i> )	Mustard, Treacle ( <i>Eyrsumum repandum</i> )	Sunflower, Wild* ( <i>Helianthus</i> spp.)	
Grasses			
Brome, Downy ( <i>Bromus tectorum</i> )	Cheatgrass ( <i>Bromus secalinus</i> )	Wheat, Volunteer* ( <i>Triticum</i> spp.)	-
*Since control of these weeds may be variable depending on moisture following application, the higher label rate should be used.			

#### Use Restrictions:

- Do not graze treated fields.
- Do not plant Spring seeded Cereals following Fall fallow applications of this product.
- Where this product was applied in the Fall, do not apply this product in the Spring.

#### FALLOW ROTATION WITH BARLEY AND WHEAT (Colorado, Kansas, Montana, Nebraska and Wyoming Only)

##### Application During Fallow Period:

This product may be applied to provide weed control during the fallow period after Wheat or Barley harvest or in the Spring before planting of Winter wheat or Barley. Mechanical tillage or the application of a contact herbicide may be required to control weeds germinating prior to seeding of Winter wheat or Barley.

For specific application information, see the "*USE INFORMATION*" section in the front of this label.

Where weed growth is present at application time, apply this product with Paraquat (e.g., Quik-Quat or Gramoxone), Glyphosate (e.g., Imitator® or Roundup®) or other contact herbicides. Refer to the other product label registered for additional directions, rates and weed species controlled. Do not plant crops in treated areas earlier than 10 months following Fall applications.

##### Application After Harvest (Fall Fallow):

This product may be applied to the stubble after harvest in the Fall. Apply 1.25 to 1.5 pints per acre broadcast before weeds emerge. Use the higher rate for longer weed control or for weeds designated as requiring the higher rate for control. Rainfall (0.5 inch or more) is necessary for herbicide activation.

##### Spring Application (Summer Fallow):

This product may be applied to the stubble in the Spring. Apply 0.75 to 1 pint per acre broadcast before weeds emerge in the Spring. Use the higher specified rate for longer weed control or weeds designated as requiring the higher rate for control. Rainfall (0.5 inch or more) is necessary for herbicide activation. Wheat or Barley can be seeded 120 days after Spring application.

**Weeds Controlled:**

Broadleaves			
Chickweed, Common ( <i>Stellaria media</i> )	Lambsquarters, Common ( <i>Chenopodium album</i> )	Mustard, Treacle ( <i>Erysimum repandum</i> )	Sunflower ( <i>Helianthus</i> spp.)
Cowcockle ( <i>Vaccaria pyramidata</i> )	Mustard, Blue or Purple ( <i>Chorispora tenella</i> )	Mustard, Wild ( <i>Brassica kaber</i> )	Thistle, Russian ( <i>Salsola iberica</i> )
Henbit ( <i>Lamium amplexicaule</i> )	Mustard, Jim Hill ( <i>Sisymbrium altissimum</i> )	Pennycress, Field ( <i>Fanweed</i> )	
Kochia* ( <i>Kochia scoparia</i> )	Mustard, Tansy ( <i>Descurainia pinnata</i> )	( <i>Thlaspi arvense</i> )	
		Pigweeds ( <i>Amaranthus</i> spp.)	
Grasses			
Brome, Downy ( <i>Bromus tectorum</i> )	Foxtail, Green* ( <i>Setaria viridis</i> )	Wheat, Volunteer* ( <i>Triticum</i> spp.)	-
Cheatgrass ( <i>Bromus secalinus</i> )	Oats, Wild* ( <i>Avena fatua</i> )		
* Since control of these weeds may vary depending on moisture following application, use the higher rate specified above.			

**Use Restrictions:**

- Do not graze treated fields.
- Do not plant Spring seeded Cereals following Fall applications for fallow.
- Where this product was applied in the Fall, do not apply this product in the Spring.
- Do not rotate any crop not listed on this label for 18 months following application of this product.

**CORN (FIELD, SWEET)****POST-EMERGENCE APPLICATION**

This product may be used to control selected broadleaf weeds when applied as a tank-mix combination with certain broadleaf herbicides presently registered and also for post-emergence use in Field Corn. Herbicides which may be tank-mixed with this product include:

2,4-D (e.g., De-Amine, De-Ester)	Bromoxynil (e.g., Buctril)	Flumiclorac (e.g., Resource®)
Atrazine (e.g., Atrazine 4L or 90DF)	Buctril + Atrazine	Imazethapyr (e.g., Pursuit®)
Bentazon (e.g., Basagran®)	Dicamba + Atrazine (e.g., Marksman®)	
	Dicamba (e.g., Dicamba DGA)	

\* Use only on Pursuit resistant/tolerant Corn hybrids (IMI-Corn).

**Application:** This product may be applied to Field corn after crop emergence until just prior to tasseling. Broadcast applications may be made with ground or aerial equipment. For optimum weed control, apply treatments when weeds are small and actively growing, but before reaching the maximum heights listed in the "WEEDS CONTROLLED – POST-EMERGENCE BROADCAST APPLICATION" and "WEEDS CONTROLLED – POST-DIRECTED APPLICATION" tables.

**POST-EMERGENCE BROADCAST APPLICATION**

**Ground Application:** Adjust nozzle height above crop and weed canopy to ensure uniform spray coverage. Gallonage should be increased with increasing weed size and population density.

For tank-mixes of this product plus 2,4-D Amine, Atrazine, Bentazon, Bromoxynil, Bromoxynil + Atrazine, Flumiclorac and/or Imazethapyr formulations, use flat fan nozzles spaced a maximum of 20 inches apart. Best results are achieved using a minimum spray volume of 10 gallons per acre and spray pressure from 20 to 24 psi.

For tank-mixes of this product with Dicamba, Atrazine + Dicamba or 2,4-D low volatile ester formulations, use drift-reducing nozzles which are specifically designed to produce coarse sprays and reduce the amount of driftable fines. Additional measures which will help avoid potential drift to sensitive crops and plants include using a minimum spray volume of 20 gallons per acre and keeping spray pressures at or below 20 psi unless otherwise specified by the nozzle manufacturer. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank-mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank-mixture.

**Aerial Application:** Apply in a minimum spray volume of 3 gallons per acre. For optimum spray coverage and distribution, use a minimum of 5 gallons per acre and a maximum pressure of 40 psi. Use a boom and nozzle configuration which will provide a uniform deposition pattern and coverage with low drift potential. Avoid overlaps to prevent potential crop injury. Do not apply near sensitive crops or sensitive plants growing near the treated area. Do not apply when wind speed is greater than 10 mph or when winds are moving toward sensitive crops or plants. To avoid drift hazards, applicator must follow the most restrictive labeling of the products used in a tank-mix. Refer to the appropriate tank-mix partner's label for further precautions and recommendations.

**POST-DIRECTED APPLICATION**

This product in tank-mix combinations with 2,4-D, Bromoxynil or Dicamba may be applied post-directed to Field corn. Use drop nozzles and appropriate spacing to direct spray below the Corn whorl and upper leaves. The top of the target weed canopy must be sufficiently below the whorl and upper leaves of the crop to permit this application and provide adequate spray coverage. The height differential required between the crop and weed canopy will depend on the specific equipment used. Apply before tassel emergence. For further precautions, restrictions and additional recommendations, refer to the appropriate tank-mix partner's label.

**ADJUVANTS**

The adjuvant types listed below may be utilized with certain tank-mix combinations with this product. Consult the tank-mix directions section for the appropriate adjuvant and rate. Use of non-recommended adjuvants or rates may result in severe leaf burn, crop stunting and/or stand reduction. Use only adjuvants which are exempt from tolerance requirements under 40 CFR 180.

**Ammonium sulfate** (spray grade) may be used as an alternative to Urea Ammonium Nitrate (UAN) with certain tank-mix combinations.

**Non-ionic surfactants** should contain at least 80% active ingredient (e.g., Surf-Ac 820).

**Urea Ammonium Nitrate (UAN)** is commonly referred to as 28, 30 or 32% N.

DO NOT USE Crop Oil Concentrate (COC) or any adjuvant containing vegetable or petroleum oils with any tank-mixtures with this product as severe leaf burn, crop stunting and/or stand reduction may occur.

**RAINFASTNESS**

This product will not reduce rainfastness of the tank-mix partners. Refer to the individual product labels for rainfastness directions.

**SPRAYER CLEANUP**

Refer to each tank-mix partner's label and the "SPRAYER CLEANUP" section of this label for specific instructions on cleaning spray equipment. Special attention should be given to the required cleanup procedures for 2,4-D, Dicamba and Atrazine + Dicamba.

**USE PRECAUTION**

**Stress** is any condition or combination of conditions which impairs normal crop growth. Weather, disease, insect damage, fertility or other factors may cause stress. Applications made before or after the Corn is under stress from these factors or from periods of prolonged cool, wet and cloudy weather or widely fluctuating day and nighttime temperatures, may result in temporary leaf burn, yellowing and/or stunting of the crop. Recovery from damage is generally rapid with no lasting effects on new growth. Under extreme stress, stand reductions may occur.

**USE RESTRICTIONS**

- Do not use on Corn grown for seed, Popcorn, Sweet corn or White corn.
- Do not apply more than 0.25 pound of Metribuzin (8 fl. ozs. of this product) per acre per use season.
- Do not apply when Field corn is under stress (see "USE PRECAUTION" above).
- Do not use aerial applications if sensitive crops or plants are growing in the vicinity of the area to be treated.
- Do not allow spray drift onto sensitive crops or plants.
- Do not use on *Sand, Loamy sand* or *Sandy loam soils* that have less than 0.5% organic matter.
- Do not use on *Sand* or *Loamy sand soils* in Idaho, Oregon or Washington or crop injury may occur.

**Feeding Restrictions:** Field corn treated with this product may be grazed or harvested for silage or grain 60 days after treatment. Follow the most restrictive pre-harvest interval on the labels of the products used in the tank-mixtures.

## TANK-MIX COMBINATIONS

The tank-mixtures of this product listed below can be utilized for control of certain annual broadleaf weeds.

FIELD CORN - POST-EMERGENCE BROADCAST APPLICATIONS		
Product	Rate/Ac.	Use Directions and Remarks*
This product + Atrazine	3 fl. ozs. + 0.5 to 1.5 lbs. a.i.	Apply as a broadcast spray during the interval from Corn emergence until Corn is 12 inches tall. A non-ionic surfactant (e.g., Surf-Ac 820) (1 qt./100 gals. of spray solution) may be added to improve weed control. Atrazine is a restricted use herbicide. Follow all state and federal label recommendations and restrictions pertaining to Atrazine applications.
This product + Basagran	3 fl. ozs. + 1 pt.	Apply as a broadcast spray after Corn emergence but before Corn exceeds 30 inches in height and the crop canopy closes the row. Adjuvants such as Urea Ammonium Nitrate (UAN) (0.5 to 1 gal./Ac.), ammonium sulfate (17 lbs./100 gals. of spray solution) or non-ionic surfactant (e.g., Surf-Ac 820) (1 qt./100 gals. of spray solution) may improve weed control.
This product + Buctril or Buctril Gel	2.4 to 3 fl. ozs. + 1 pt. or 0.5 pt.	Apply as a broadcast spray when Corn is in the fourth true leaf stage or later but before the crop canopy closes the row. <b>DO NOT USE ADJUVANTS.</b> Occasional temporary Corn leaf burn may occur and is similar to that observed from liquid fertilizers. Recovery is generally rapid with no lasting effect. To reduce potential for crop damage, application should be made to dry Corn foliage when weather conditions are not extreme.
This product + Buctril + Atrazine (Pre-mix)	2.4 to 3 fl. ozs. + 1.5 to 2 pts.	Apply as a broadcast spray during the interval from Corn emergence until Corn is 12 inches tall. <b>DO NOT USE ADJUVANTS.</b> Occasional temporary Corn leaf burn may occur and is similar to that observed from liquid fertilizers. Recovery is generally rapid with no lasting effect. To reduce potential for crop damage, application should be made to dry Corn foliage when weather conditions are not extreme.
This product + 2,4-D Amine or 2,4-D Ester	3 fl. ozs. + 0.5 to 1 pt.** or 0.3 to 0.5 pt.**	Apply as a broadcast spray during the interval from Corn emergence until Corn is 8 inches tall. Apply only to varieties known to be tolerant to 2,4-D. <b>DO NOT USE ADJUVANTS.</b> 2,4-D may cause injury to nearby sensitive crops. 2,4-D applications may result in brittle Corn stalks and winds or cultivation may cause stalk breakage. To reduce damage, delay cultivation 8 to 10 days after application.
This product + Dicamba DGA or Dicamba DMA	3 fl. ozs. + 0.5 to 1 pt.**	Apply as a broadcast spray during the interval from Corn emergence through the 5 leaf stage or when Corn is 8 inches tall, whichever occurs first. For Dicamba applications to Corn greater than 8 inches in height, consult the Dicamba label for use rates and restrictions. If growing conditions are dry and plants are stressed, addition of a non-ionic surfactant (1 qt./100 gals. of spray solution) may improve weed control. For Corn grown on Coarse textured soils, apply Dicamba DGA or Dicamba DMA at 0.5 pt./Ac. regardless of application method. Application may cause injury to nearby sensitive crops or plants. Application may result in temporary leaning of Corn plants. Delay cultivation until plants return to normal growth patterns to avoid stalk breakage.
(Continued)		

FIELD CORN - POST-EMERGENCE BROADCAST APPLICATIONS (Cont.)		
Product	Rate/Ac.	Use Directions and Remarks*
This product + Marksman	3 fl. ozs. + 1.5 to 2 pts.	Apply as a broadcast spray during the interval from Corn emergence through the 5 leaf stage or when Corn is 8 inches tall, whichever occurs first. <b>DO NOT USE ADJUVANTS.</b> Application may cause injury to nearby sensitive crops or plants. Application may result in temporary leaning of Corn plants. Delay cultivation until plants return to normal growth patterns to avoid stalk breakage. Marksman contains Atrazine and is a restricted use product. Follow all state and federal label directions and restrictions pertaining to Atrazine.
This product + Pursuit	3 fl. ozs. + 2 to 4 fl. ozs.	Use only on designated IMI-Corn hybrids (hybrids which are resistant / tolerant to Pursuit). Apply 4 fl. ozs. of Pursuit if grasses are present or broadleaf weeds are near the maximum heights shown. Apply in combination with a non-ionic surfactant (e.g., Surf-Ac 820) (1 qt./100 gals. of spray solution) and Urea Ammonium Nitrate (UAN) (1 to 2 qts./Ac.).
This product + Resource	3 fl. ozs. + 4 to 6 fl. ozs.	Apply as a broadcast spray to Field corn from 2 leaf through 10 leaf (visible leaf collars) stage. Adjuvants such as non-ionic surfactant (e.g., Surf-Ac 820) (0.25% v/v), Urea Ammonium Nitrate (UAN) (2% v/v) or ammonium sulfate (2.5 lbs./Ac.) may increase weed control.
*Consult the appropriate tank-mix partner's label for additional recommendations or restrictions. The most restrictive labeling applies to tank-mixes with this product. **Application rate is based on, but not restricted to 4 lbs. a.i. per gal. of the product.		

FIELD CORN - POST-DIRECTED APPLICATIONS		
Product	Rate/Ac.	Use Directions and Remarks*
This product + Buctril or Buctril Gel	3 to 4.5 fl. ozs. + 1 to 1.5 pts. or 0.5 to 0.75 pt.	Apply as a <b>directed spray with drop nozzles</b> before tassel emergence. <b>DO NOT USE ADJUVANTS.</b> Occasional temporary Corn leaf burn may occur and is similar to that observed from liquid fertilizers. Recovery is generally rapid with no lasting effect. To reduce potential for crop damage, application should be made to dry Corn foliage when weather conditions are not extreme.
This product + 2,4-D Amine or 2,4-D LVE	3 to 4.5 fl. ozs. + 0.75 to 1.5 pts.** or 0.5 to 0.75 pts.**	For Corn greater than 8 inches tall, apply as a <b>directed spray with drop nozzles</b> before tassel emergence. Apply only to varieties known to be tolerant to 2,4-D. <b>DO NOT USE ADJUVANTS.</b> 2,4-D may cause injury to nearby sensitive crops. 2,4-D applications may result in brittle Corn stalks, and winds or cultivation may cause stalk breakage. To reduce damage, delay cultivation 8 to 10 days after application.
This product + Dicamba DGA or Dicamba DMA	3 to 4.5 fl. ozs. + 0.5 pt.**	For Corn 8 to 36 inches tall, apply as a <b>directed spray with drop nozzles</b> . Application may be made up to 15 days prior to Corn tasseling. If growing conditions are dry and plants are stressed, addition of a non-ionic surfactant (e.g., Surf-Ac 820) (1 qt./100 gals. of spray solution) may improve weed control. For Corn grown on Coarse textured soils, apply Dicamba DGA or Dicamba DMA at 0.5 pt./Ac. regardless of application method. Application may cause injury to nearby sensitive crops or plants. Application may result in temporary leaning of Corn plants. Delay cultivation until plants return to normal growth patterns to avoid stalk breakage.
(Continued)		



**FIELD CORN - POST-DIRECTED APPLICATIONS (Cont.)**

\*Consult the appropriate tank-mix partner's label for additional directions or restrictions. The most restrictive labeling applies to tank-mixes with This product.

\*\*Application rate is based on, but not restricted to 4 lbs. a.i. per gal. of the product.

**WEEDS CONTROLLED - POST-EMERGENCE BROADCAST APPLICATION**

The following tank-mixtures with this product will control the following annual weeds up to the maximum weed heights listed:

Common Name	This product +							
	Atrazine	Dicamba DGA or DMA	Basagran	Buctril/ Buctril + Atrazine	2,4-D	Marksman	Pursuit	Resource
	MAXIMUM WEED HEIGHT (INCHES)*							
Amaranth, Palmer	4**	4	2**	4**	4	4	8***	4
Buckwheat, Wild	3	3	3	3	2	3	2	4
Buffalobur	4	4	-	4	-	4	1	-
Burcucumber	-	4	-	4	2	4	-	-
Carpetweed	2	2	2	2	2	2	-	3
Cocklebur, Common	8	8	8	8	8	8	8***	3
Eclipta	3	3	3	3	3	3	-	-
Henbit	3	3	2	2	2	4	3	-
Jimsonweed	5	5	6	5	5	5	5	3
Knotweed	6	6	6	4	2	6	4	-
Kochia	2**	2	1**	2**	2**	2	2	-
Ladysthumb	6	6	6	6	4	6	4	4
Lambsquarters, Common	6**	6	1	6	6	6	4	4
Lettuce, Prickly	4	4	-	3	4	5	-	-
Mallow, Venice	2	2	2	2	2	2	2	-
Marestail/Horseweed	3	4	1	1	3	6	-	3
Morningglory, Entire leaf	3	3	1	3	3	3	2	-
Morningglory, Ivy leaf	3	3	1	3	3	3	2	-
Morningglory, Pitted	3	3	1	3	3	3	2	-
Morningglory, Tall	3	3	1	3	3	3	2	-
Mustard, Tansy	4	4	4	4	4	4	4	-
Mustard, Wild	4	4	4	4	4	4	4	-
Nightshade, Black	6	6	-	6	1	6	3	
Nightshade, Eastern black	6	6	-	6	1	6	3	-
Pigweed, Redroot	6**	6	2**	6**	6	6	8***	4
Pigweed, Smooth	6**	6	2**	6**	6	6	8***	4
Poorjoe	3	3	3	3	3	3	3	-
Purslane, Common	1	3	-	-	-	4	1	-
Pusley, Florida	3	3	3	3	3	3	-	3
Ragweed, Common	5	5	3	5	5	6	3	3
Ragweed, Giant	4	5	2	4	3	6	4	-
Sicklepod	3	3	3	3	3	3	3	-
Sida, Prickly	1	1	3	1	1	2	1	2
Smartweed, Pennsylvania	6	6	6	6	4	6	4	4
Sunflower, Common	6	6	6	6	6	6	5	-
Thistle, Russian	1	3	-	3	1	3	1	-
Velvetleaf	6**	6	6	6	4	6	5	6
Waterhemp, spp.	5**	5	2**	5**	5	5	4***	4

\*When weeds are approaching the maximum height listed or found in high densities, use the higher specified rate of this product and the selected tank-mix partners.

\*\* These treatments will not control Triazine resistant biotypes.

\*\*\* These treatments will not control ALS resistant biotypes.

## WEEDS CONTROLLED – POST-DIRECTED APPLICATION

The following tank-mixtures with this product will control the following annual weeds up to the maximum weed heights listed:

Common Name	This product +		
	2,4-D	Dicamba	Buctril
	MAXIMUM WEED HEIGHT (INCHES)*		
Amaranth, Palmer	12	12	6
Cocklebur, Common	12	12	12
Jimsonweed	12	10	10
Ladysthumb	6	8	6
Lambsquarters, Common	12	12	10
Morningglory, Entire leaf	18	18	6
Morningglory, Ivy leaf	18	18	6
Morningglory, Pitted	18	18	6
Morningglory, Tall	18	18	6
Nightshade, Black	10	8	8
Nightshade, Eastern black	10	8	8
Pigweed, Redroot	12	12	6
Pigweed, Smooth	12	12	6
Ragweed, Common	8	8	8
Ragweed, Giant	12	12	8
Smartweed, Pennsylvania	6	8	6
Sunflower, Common	12	12	12
Velvetleaf	10	8	8
Waterhemp, Tall	12	12	6
* When weeds are approaching the maximum height listed or found in high densities, use the higher specified rate of this product and the selected tank-mix partners.			

## WEED SUPPRESSION – PERENNIAL WEEDS

The following tank-mixtures with this product will provide top growth burndown and in season suppression of the following perennial weeds, however, regrowth may occur. For the best performance on these weeds, use the maximum allowable rates of this product and the tank-mix partner's labeled rates for these tank-mixtures.

This product +	Perennial Weeds Suppressed
2,4-D LVE (e.g., De-Ester LV4)	Bindweed (Field); Dandelion (Common); Dock (Curly); Smartweed (Swamp); Thistle (Canada)
Bromoxynil (e.g., Buctril) or Buctril + Atrazine	Thistle (Canada)
Dicamba (e.g., Dicamba DGA or Clarity)	Bindweed (Field); Dandelion (Common); Dock (Curly); Smartweed (Swamp); Thistle (Canada)
Dicamba + Atrazine (e.g., Marksman)	Bindweed (Field); Dandelion (Common); Dock (Curly); Smartweed (Swamp); Thistle (Canada)
Imazethapyr (e.g., Pursuit)	Thistle (Canada)

## PRE-PLANT AND PRE-EMERGENCE APPLICATIONS

This product may be used for additional residual control of certain broadleaf weed species in Field corn when applied as a tank-mix combination with both grass and broadleaf herbicides registered and labeled for use in Field corn. This product can be tank-mixed with specified rates of the following herbicides:

Acetochlor (Harness®, Surpass®)	Dimethenamid (e.g., Outlook®)	Pendimethalin (e.g., PIN-DEE™ 3.3 EC, Prowl® 3.3 EC)
Atrazine (e.g., Atrazine 4L or 90)	Dimethenamid + Atrazine (e.g., Guardsman®)	Simazine (e.g., Simazine 4L or 90)
Dicamba (e.g., Dicamba DGA or Clarity)	Imazethapyr (e.g., Pursuit®)	S-Metolachlor (e.g., Dual Magnum®)
Dicamba + Atrazine (e.g., Marksman)	Linuron (e.g., Lorox®)	
	Metolachlor (e.g., Me-Too-Lachlor™)	

\* Use only on Pursuit resistant/tolerant Corn hybrids (IMI Corn).

## Application:

This product may be applied pre-plant to Field corn without incorporation up to 30 days prior to planting or pre-emergence. Applications may be made by either ground or aerial equipment at the rate of 3 to 8 fluid ounces of this product per acre. (For use rate and timing by specific States, refer to the following table.) For tank-mixes, follow the most restrictive application methods of all products used.

States	Application Timing	This product (Fl. Ozs./Ac.)
Iowa, Kansas, Missouri, Nebraska, South Dakota	Pre-plant (0 to 30 days)	3 to 8
	Pre-emergence	
Illinois, Indiana, Kentucky, Michigan, Minnesota, Ohio, Wisconsin	Pre-plant (10 to 30 days)	3 to 8
	Pre-plant (0 to 9 days)	3 to 6
	Pre-emergence	
Apply as a broadcast spray prior to Corn emergence from the soil. Do not apply this product on Coarse textured soils with less than 1.5% organic matter. Do not apply more than 6 fl. ozs. of this product per acre on soils with less than 2.0% organic matter. For heavy weed infestations and/or early pre-plant applications, use the higher rates of this product. Consult the label of herbicide tank-mix partners to determine proper use rates for the other product(s).		

## Weeds Controlled:

This product will aid in the residual pre-emergence control of the following weed species when tank-mixed with other registered grass and/or broadleaf Corn herbicides:

Ladysthumb Lambsquarters, Common Marestail/Horseweed	Pigweed, spp. Ragweed, Common Smartweed, Pennsylvania	Sunflower Velvetleaf Waterhemp, Tall
*For control of emerged weeds, refer to the "FIELD CORN - BURNDOWN WEED CONTROL" section of this label.		

## Use Precautions:

- Plant Corn seed at a minimum of 1.5 inches deep.
- This product may only be used in hybrid seed Corn production fields if both inbred parents are known to be tolerant to Metribuzin.
- Reduced weed control may result if this product is used on *Muck soils*.
- Observe all precautions and limitations on labeling of all products used in tank-mixes.

## Use Restrictions:

- Do not apply more than 8 fluid ounces of this product (0.25 lb. a.i.) per acre per growing season.
- Do not apply on soils having pH 7.0 or greater.

**Feeding Restrictions:** Corn treated with this product may be harvested for silage or grain 60 days after treatment. For tank-mixes, follow the most restrictive pre-harvest interval of all products used.

## FIELD CORN - BURNDOWN WEED CONTROL

This product can be used as part of a herbicide program for burndown of existing vegetation prior to crop emergence in conservation tillage systems. This product may be tank-mixed with 2,4-D low volatile ester (e.g., De-Ester), Paraquat (e.g., Quik-Quat, Gramoxone) or Glyphosate (e.g., Imitator, Roundup) for control of emerged weeds prior to emergence of Field corn emergence. Burndown tank-mixes with this product can be applied before planting or prior to crop emergence in the following areas: Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Nebraska, Ohio, South Dakota and Wisconsin.

## Application:

This product may be applied up to 30 days prior to planting or pre-emergence. Apply only by ground equipment when this product is used for burndown of existing vegetation in conservation tillage systems. This product and tank-mix partner burndown rates are listed in the following three tables.

FIELD CORN – BURNDOWN RATES OF THIS PRODUCT		
Area	Application Timing	This product (Fl. Oz./Ac.)
Iowa, Kansas, Missouri, Nebraska, South Dakota	Pre-plant (0 to 30 days)	3 to 8
	Pre-emergence	
Illinois, Indiana, Kentucky, Michigan, Minnesota, Ohio, Wisconsin	Pre-plant (10 to 30 days)	3 to 8
	Pre-plant (0 to 9 days)	3 to 6
	Pre-emergence	

FIELD CORN – BURNDOWN RATES OF THIS PRODUCT PLUS TANK-MIX PARTNER		
PRODUCT	Rate/Ac.	Use Directions and Remarks
This product + 2,4-D LVE	3 to 8 fl. ozs.* + 0.25 to 1 lb. a.i.	Apply at least 7 days pre-plant or at least 3 days after planting but before Corn emergence.
This product + Quik-Quat or Gramoxone	3 to 8 fl. ozs.* + 24 to 48 fl. ozs. or 32 to 64 fl. ozs.	Must be applied prior to crop emergence. See Quik-Quat or Gramoxone label for amount to use in relation to weed height. Apply in 20 to 60 gals. of water per acre. Include either non-ionic surfactant (e.g., Surf-Ac 820) at 1 qt./100 gals. (0.25% v/v) or Crop Oil Concentrate (COC) (e.g., Peptoil®) at 1 gal./100 gals. (1% v/v) of spray solution.
This product + Quik-Quat or Gramoxone + 2,4-D LVE	3 to 8 fl. ozs.* + 24 to 48 fl. ozs. or 32 to 64 fl. ozs. + 0.25 to 1 lb. a.i.	For this tank-mix, follow the “Use Directions and Remarks” above for “This product + 2,4-D LVE” and “This product + Quik-Quat or Gramoxone” paying special attention to crop planting restrictions with 2,4-D LVE. Include either non-ionic surfactant (e.g., Surf-Ac 820) or Crop Oil Concentrate (COC) (e.g., Peptoil) in this tank-mix.
This product + Imitator/ Roundup or Touchdown®	3 to 8 fl. ozs.* + 12 to 24 fl. ozs. or 8 to 16 fl. ozs.	Must be applied prior to crop emergence. Use the higher rates as weeds approach the maximum weed heights listed in the “Weeds Controlled By Burndown Rates of This product Plus Tank-Mix Partner” table below. Apply in 10 to 20 gals. of water per acre. With Imitator, Roundup or Touchdown, include non-ionic surfactant (e.g., Surf-Ac 820) at 2 qts./100 gals. (0.5% v/v) and ammonium sulfate (spray grade) at 17 lbs./100 gals. of spray solution. Any Glyphosate formulation registered and labeled for use in Field corn may be tank-mixed with this product.
This product + Imitator/ Roundup or Touchdown + 2,4-D LVE	3 to 8 fl. ozs.* + 12 to 24 fl. ozs. or 8 to 16 fl. ozs. + 0.25 to 1 lb. a.i.	For this tank-mix, follow the “Use Directions and Remarks” above for “This product + 2,4-D LVE” and “This product + Imitator/Roundup or Touchdown”, paying special attention to planting restrictions with 2,4-D LVE. Use the adjuvant directions under the “This product + Imitator/ Roundup or Touchdown” tank-mix. Do not use Crop Oil Concentrate (COC).

\* If applied to Field corn grown in Illinois, Indiana, Kentucky, Michigan, Minnesota, Ohio and Wisconsin, refer to the table “FIELD CORN - BURNDOWN RATES OF THIS PRODUCT” for appropriate rate of this product based on application timing.



**Weeds Controlled:**

This product in tank-mixtures with the above herbicides will provide burndown control of the weeds listed below.

WEEDS CONTROLLED BY BURNDOWN RATES OF THIS PRODUCT PLUS TANK-MIX PARTNER									
Weeds Controlled	THIS PRODUCT +								
	De-Ester LV4	Poast® Plus + De-Ester LV4	Select® + De-Ester LV4	Fusion® + De-Ester LV4	Imitator, Roundup or Touchdown	Imitator, Roundup or Touchdown + De-Ester LV4	Quik-Quat or Gramoxone	Quik-Quat or Gramoxone + De-Ester LV4	2,4-DB DMA 175
ANNUAL GRASSES									
MAXIMUM BURNDOWN HEIGHT (INCHES)									
Barley	Does not control these species	-	-	-	8	4 to 6	Does not control these species		
Barnyardgrass		2 to 3	3 to 4	-	6	4 to 6			
Crabgrass, spp.		2 to 3	-	-	6	4 to 6			
Foxtail, spp.		2 to 3	3 to 4	2 to 6	8	4 to 6			
Johnsongrass, Seedling		2 to 3	-	-	8	4 to 6			
Panicum, Fall		2 to 3	3	2 to 6	6	4 to 6			
Sandbur, Field		-	-	-	8	4 to 6			
Shattercane		2 to 3	-	-	8	4 to 6			
Wheat, Volunteer		-	-	-	6	4 to 6			
Witchgrass		2 to 3	-	-	6	4 to 6			
BROADLEAVES									
MAXIMUM BURNDOWN HEIGHT (INCHES)									
Buffalobur	-				6	6	4 to 6	4 to 6	-
Chickweed, Common	6				6	8	4 to 6	4 to 6	2
Cocklebur, Common	6				6	8	4 to 6	4 to 6	6
Dandelion, Common	6 dia <sup>a</sup>				2 dia <sup>b</sup>	6 dia <sup>a</sup>	4 dia <sup>d</sup>	6 dia <sup>a</sup>	2 dia
Henbit	4				4	4	4 to 6	4 to 6	-
Jimsonweed	6				6	6	4 to 6	4 to 6	2
Kochia*	4 <sup>a,c</sup>				4	4	4	4	-
Ladysthumb	6				6	8	4 to 6	4 to 6	3
Lambsquarters, Common	6				6	8	4 to 6	4 to 6	2
Lettuce, Prickly	6				4	6	4 to 6	4 to 6	2
Mallow, Venice	6				6	6	4 to 6	4 to 6	-
Marestail / Horseweed	6 <sup>a,c</sup>				4 <sup>b</sup>	6	3	6 <sup>a</sup>	2 <sup>c</sup>
Morningglory, spp.	6				2	4	2	4	4
Mustard, spp.	6				6	8	4 to 6	4 to 6	2
Pennycress, Field	6				6	6	4 to 6	4 to 6	2
Pigweed, spp. (Annual)	6				6	8	4 to 6	4 to 6	3
Ragweed, Common	6				6 <sup>b</sup>	8	4 to 6	4 to 6	2
Ragweed, Giant	6 <sup>a,c</sup>				4 <sup>b</sup>	6	4	6	2
Shepherdspurse	6				6	6	4 to 6	4 to 6	-
Sida, Prickly	6				4	4	4	4	1
Smartweed, Pennsylvania	6				6	8	4 to 6	4 to 6	3
Sunflower, Common	6				6	6	4 to 6	4 to 6	4
Thistle, Russian	4 <sup>a,c</sup>				2 to 4 <sup>b,c</sup>	6	4	4 to 6	3 <sup>c</sup>
Velvetleaf	6				6	8	4 to 6	4 to 6	3
Waterhemp, spp.	6				6	8	4 to 6	4 to 6	3
<sup>a</sup> Use 2,4-D LVE at 0.5 lb. a.i./Ac. <sup>b</sup> Use Imitator or Roundup at the minimum rate of 16 fl. ozs./Ac. and Touchdown at the minimum rate of 10.6 fl. ozs./Ac. <sup>c</sup> Use this product at 6 fl. ozs./Ac. for optimum control. <sup>d</sup> Suppression only. * Does not control Triazine resistant biotypes.									

**Use Precautions:**

- Plant Corn seed in a minimum of 1.5 inches deep.
- This product may only be used in hybrid seed Corn production fields if both inbred parents are known to be tolerant to this product.
- Observe all precautions and limitations on the labeling of all products used in tank-mixtures. Refer to the "USE INFORMATION" section of this label for additional information, precautions and limitations.

**Use Restrictions:**

- Do not apply these treatments after crop emergence.
- Do not apply on *Coarse textured soils* with less than 1.5% organic matter.
- Do not apply more than 6 fluid ounces of this product per acre on soils with less than 2% organic matter.
- Do not apply on soils having pH 7.0 or greater.
- Do not apply more than 8 fluid ounces of this product (0.25 lb. a.i.) per acre per growing season.

**Feeding Restrictions:** Corn treated with this product may be harvested for silage or grain 60 days after treatment. Do not feed hay, forage, fodder or graze 2,4-D treated vegetation. Follow the most restrictive pre-harvest interval of all products used in a tank-mixture.

**RESIDUAL WEED CONTROL**

Burndown programs with this product can be used as part of a full season weed control program when: 1) applied as a tank-mixture with residual herbicides or 2) followed with a post-emergence weed control program, which is registered for use on that crop.

For residual control, burndown programs with this product may include tank-mixes with the following herbicides or combination of herbicide(s):

FIELD CORN		
Acetochlor (e.g., Harness, Surpass)	Dimethenamid (e.g., Outlook, Frontier)	Linuron (e.g., Linex®)
Acetochlor + Atrazine (e.g., Harness Extra)	Dimethenamid + Atrazine (e.g., Guardsman Max)	Metolachlor (e.g., Me-Too-Lachlor)
Atrazine (e.g., Atrazine 4L & 90DF)	Flumetsulam (e.g., Python®)	Pendimethalin (e.g., PIN-DEE 3.3 EC, Prowl 3.3 EC)
Dicamba (e.g., Dicamba DGA, Clarity)	Imazethapyr (e.g., Pursuit*)	Simazine (e.g., Simazine 4L, 90DF)
Dicamba + Atrazine (e.g., Marksman)	Imazethapyr + Pendimethalin (e.g., Pursuit Plus*)	S-Metolachlor (e.g., Dual Magnum)
* Use only on Pursuit resistant/tolerant Corn hybrids.		

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank-mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank-mixture.

**CORN (SWEET)****PRE-PLANT AND PRE-EMERGENCE APPLICATIONS**

This product may be used for additional residual weed control of certain broadleaf weed species in Corn.

**Application Method:**

This product can be applied pre-plant surface or pre-emergence as a broadcast or band application in water, fluid fertilizer or impregnated on dry fertilizer. Ground or aerial equipment may be used.

**Application Rates and Timing:**

Apply this product at the rate of 3 to 8 fluid ounces per acre. (For use rate and timing by specific states, refer to the application table under "PRE-PLANT AND PRE-EMERGENCE APPLICATIONS" under the "CORN (FIELD)" section.)

For heavy weed infestations and/or early pre-plant (30 days prior to planting) applications, use the highest specified rate.

**Fall of Early Spring Application:**

Spring applications of this product may be applied up to 30 days prior to planting or pre-emergence. Apply only by ground equipment when this product is used for burndown of existing vegetation in conservation tillage systems. This product and tank-mix partner burndown rates are found in the table "FIELD CORN – BURNDOWN RATES OF THIS PRODUCT PLUS TANK-MIX PARTNER" under the "FIELD CORN – BURNDOWN WEED CONTROL" section of this label.

**Weeds Controlled:**

Refer to the "PRE-PLANT AND PRE-EMERGENCE APPLICATION" under the "CORN (FIELD)" section of this label for list of weeds

controlled by this product when applied before weed emergence. Use recommended adjuvants when emerged weeds are present. Refer to the "FIELD CORN – BURNDOWN WEED CONTROL" section for list of weeds controlled and weed height restrictions.

**Use Precautions:**

- Plant Corn seed at a minimum of 1.5 inches deep.
- This product may only be used in hybrid seed production fields if both inbred parents are known to be tolerant to this product.
- Reduced residual weed control may result when used on organic soils. For this reason, residual weed control is not claimed on organic soils.

**Use Restrictions:**

- Do not apply more than a total of 8 fluid ounces of this product (0.25 lb. a.i.) per acre per growing season.
- Do not apply pre-plant or pre-emergence on soils having a pH 7.0 or greater.
- Do not apply on *Coarse textured soils* with less than 1.5% organic matter.
- Do not apply more than 6 fluid ounces on soils with less than 2.0% organic matter.
- Do not apply to Corn at spike.
- Do not use on *Muck soils*.
- Do not use aerial applications if sensitive crops or plants are growing in the vicinity of the area to be treated.
- Do not allow spray drift onto sensitive crops or plants.

**Feeding Restrictions:** Grain, forage and processing waste may be fed to livestock if harvested at least 60 days after the last application of this product.

**GARBANZO BEANS (CHICKPEAS)**

(California, Idaho, Oregon and Washington)

**Special Conditions of Sale for Use on Garbanzo beans**

(Chickpeas): The following directions for use were developed under the direction of IR-4 (government minor crops use program). As such, the testing was done independently.

**Application:**

This product may be used as a pre-emergence application for the suppression of certain broadleaf weeds in Garbanzo beans.

Crop	This product (Pt./Ac.)
Garbanzo beans	0.5 to 0.75
	Apply specified dosage in a single pre-emergence application using 10 to 40 gals. of water per acre with ground spray equipment. Apply before or after planting but before crop emergence. Thorough incorporation either by rainfall or by mechanical means is essential for weed suppression. Under dry conditions, incorporate this product into the top 1 to 2 inches of soil with spike harrows or similar shallow incorporation equipment, then cross harrow to ensure uniform soil incorporation. Where soil surface is moist at the time of application and rain follows before weed emergence, a broadcast application should provide adequate weed suppression. Use on Coarse textured soils, Sandy soils or any soil with less than 1.5% organic matter will likely cause crop injury. Use the higher specified rate on Fine textured soils (high in clay or organic matter) and in fields with a history of high weed populations.

**Weeds Suppressed\*:**

Chickweed, Common Dogfennel (Mayweed) Henbit	Lambsquarters, Common Mustard, Wild Pennycress, Field	Pigweeds Shepherdspurse
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\* Suppression is a reduction in weed size and growth compared to a non-treated area in the same field.

This product used alone will not control Triazine resistant weed species.

**Use Precautions:**

- This treatment may cause some chlorosis or minor necrosis. Because Garbanzo bean varieties may vary in their susceptibility to this product, determine crop tolerance prior to adoption as a field scale practice to prevent possible injury.

- Crop injury may result if crop is under stress conditions caused by cold weather, poor soil fertility, disease or insect damage.
- Crop injury may result if application is followed by heavy rain. Avoid application of more than 0.5 inch of irrigation within 1 month after application of this product or crop injury may occur.
- Maintain continuous spray tank agitation to keep material in suspension. Avoid overlapping of spray swaths and shut off spray booms while turning, slowing or stopping or crop injury will occur.

#### Use Restrictions:

- Do not use on clay knobs or poorly covered subsoils.
- Do not apply pre-emergence on shallow seedings less than 2 inches deep.
- Do not graze or feed treated vines to livestock within 40 days after application.

## LENTILS AND PEAS

(Idaho, Montana, North Dakota, Oregon and Washington)

This product may be used as a pre-emergence and post-emergence application for the suppression of certain broadleaf weeds in Lentils and Peas.

#### Pre-emergence Application:

Make a single pre-emergence application of this product at 6 to 12 fluid ounces per acre per crop year. Apply in 10 or more gallons of water per acre with ground spray equipment or 5 or more gallons of water per acre with aerial spray equipment. Apply this product before or after planting. Thorough incorporation either by rainfall or by mechanical means, is essential for weed suppression. Under dry conditions, incorporate this product into the top 1 to 2 inches of soil with spike harrows or similar shallow incorporation equipment, then cross harrow to ensure uniform soil incorporation. Where soil surface is moist at the time of application and rain follows before weed emergence, a broadcast application should provide adequate weed suppression.

Use the higher specified rate on *Fine textured soils* (high in clay or organic matter) and in fields with a history of high weed populations. This product may be applied pre- or post-plant incorporated as a tank-mix combination with Triallate (e.g., Far-Go®). Follow the directions for use on both product labels.

#### Post-emergence Application:

One post-emergence application may be made per season. Use 4 to 8 fluid ounces of this product per acre on Lentils and Spring peas. On Winter peas, use 6 to 8 fluid ounces of this product per acre. For suppression of Dogfennel, use 8 fluid ounces of this product per acre. Apply specified dosage in 20 or more gallons of water per acre with ground spray equipment or 5 or more gallons of water per acre with aerial spray equipment. Do not exceed 40 psi with ground spray equipment. Apply as a broadcast spray when weeds are small (less than 2 inches in height or diameter) and before crop is 6 inches tall. Temporary chlorosis of the crop may occur. There is an added risk of crop injury if a post-emergence application is made following a previous pre-emergence or post-plant incorporated application of this product.

Do not apply over very moist soils or wet crop foliage. Do not apply post-emergence applications within 3 days after periods of cool, wet or cloudy weather or crop injury may occur.

Do not apply within 24 hours of treatment with other pesticides.

#### Weeds Suppressed\*:

Chickweed, Common**	Lambsquarters, Common	Shepherdspurse**
Dogfennel	Mustard, Wild	Smartweed,
(Mayweed)	Pennycress, Field	Pennsylvania
Henbit**	Pigweed, Redroot	Spurry, Corn
Knotweed, Prostrate	Pineappleweed	

\* Suppression is a reduction in weed size and growth compared to a non-treated area in the same field.  
 \*\* Pre-emergence application only.

#### Use Precautions (All Applications):

- This treatment may cause some chlorosis or minor necrosis. Because Lentil and Pea varieties may vary in their susceptibility to this product, determining crop tolerance prior to adoption as a field scale practice is suggested to prevent, possible injury. For additional precautions, restrictions, limitations and sprayer cleanup information, refer to the appropriate sections of this label.
- Crop injury may result if crop is under stress conditions caused by cold weather, low fertility, disease or insect damage. Crop injury may also result if application is followed by heavy rain.

- Maintain continuous spray tank agitation to keep material in suspension. Avoid overlapping and shut off spray booms while turning, slowing or stopping or crop injury will occur.

#### Use Restrictions (All Applications):

- Do not apply more than 16 fluid ounces (1 pt.) of this product per acre per year. Do not use on *Coarse textured soils*, *Sandy soils* or soils with less than 1.5% organic matter.
- Do not apply to "Estin" Lentils.
- Do not use on clay knobs or poorly covered subsoils.
- Do not apply on shallow seedings less than 2 inches deep (pre-emergence only).
- Grazing and Pre-Harvest Interval (PHI): Do not apply within 50 days of harvest of Peas or within 75 days of harvest of Lentils. Do not graze or feed treated vines to livestock within 40 days after application.

## POTATOES

This product may be used in ground, aircraft or specified chemigation equipment as a pre-emergence and/or post-emergence application to Potatoes. Early maturing, smooth skinned, white and all red skinned varieties may be injured with post-emergence applications. The varieties Atlantic, Bellchip, Centennial, Chippelle and Shepody are sensitive to this product. Avoid post-emergence applications on these varieties. Pre-emergence applications on these varieties may cause crop injury under adverse weather conditions, on *Coarse soils*, under high soil pH, with higher rates per acre and with mechanical incorporation.

**Ground Application:** This product may be used with ground spray equipment applied as a pre-emergence and/or post-emergence application for control of the listed grass and broadleaf weeds in Potatoes. Apply as a uniform broadcast spray at 20 or more gallons per acre.

**Aerial Application:** This product may be applied in aerial spray equipment as a pre-emergence and/or post-emergence application at 5 or more gallons per acre.

**Chemigation:** This product may be applied pre-emergence and/or early post-emergence to Potatoes using center pivot, solid set and lateral roll systems. Apply specified dosage in 0.25 to 0.75 inch of water per acre (0.25 to 0.5 inch on *Sandy soil*) as a continuous injection in self-propelled systems or apply in the last 15 to 30 minutes of the set in other systems. Be sure all the this product has been flushed from the lines before shutting down the system.

BROADCAST APPLICATIONS	
Crop	This product (Pts./Ac.)
Potatoes	0.5 to 2
<b>Pre-emergence:</b> Apply specified dosage as a broadcast spray. Do not mechanically incorporate into soil. Use the 0.5 to 1 pt./Ac. to control Wild mustard ( <i>Brassica</i> spp.) only. On Sand soils or sensitive varieties, do not exceed 0.6 lb./Ac.	
Potatoes (Except early maturing smooth skinned, red skinned and other specified varieties.)	0.5 to 1
<b>Post-Emergence:</b> Apply specified dosage as a broadcast spray over the top of Potato plants. [Refer to "Special Precautions (Potatoes)".] Use the rates of 0.5 to 1 pt./Ac. to control Redroot pigweed and Common lambsquarters only. Apply the 1 pt./Ac. rate to control other weeds listed on this label.	
<b>Split Applications:</b> This product may be applied once pre-emergence and once post-emergence as directed above. [Refer to "Special Precautions (Potatoes)".] Do not exceed a total of 2 pts./Ac. per season.	
<b>IDAHO, OREGON AND WASHINGTON ONLY:</b> Two post-emergence applications can be made as broadcast sprays over the top of Potato plants if this product is applied pre-emergence. Use 0.5 to 1 pt./Ac. to control Lambsquarters and Redroot pigweed only. On Coarse (Sandy) soils with low organic matter, do not exceed 0.75 pt./Ac. per application. On Medium and Heavy soils only, use 1 pt./Ac. per application to control other weeds listed on this label and for suppression of Hairy nightshade. Make the first application early in the season while weeds are still small. Allow at least 14 days before the second application. Do not apply after June 30 if treated land is to be planted to crops other than Potatoes.	

#### Weeds Controlled:

This product applied to Potatoes according to directions, will provide economic control of the following weeds. For optimum control, applications should be made before weeds are 1 inch tall. (See "Note".)



Broadleaves		
Carpetweed, Common <sup>1</sup>	Mustard, Tumble <sup>1</sup>	Smartweed, Pennsylvania <sup>1,2</sup>
Cocklebur, Common <sup>1,2</sup>	Mustard, Wild <sup>1</sup>	Sunflower, Common <sup>3</sup>
Jimsonweed <sup>1</sup>	Pennycress, Field <sup>1,2</sup>	Thistle, Russian <sup>2</sup>
Kochia <sup>3</sup>	Pigweed, Redroot <sup>1,2</sup>	
Lambsquarters, Common <sup>1,2</sup>	Pigweed, Smooth <sup>1,2</sup>	
Mustard, Indian <sup>1</sup>	Ragweed, Common <sup>1,2</sup>	
Mustard, Tansy <sup>1</sup>	Sheepspurse <sup>1</sup>	
	Sicklepod <sup>1</sup>	
Grasses		
Barnyardgrass <sup>3</sup>	Foxtail, Green <sup>1</sup>	Panicum, Fall <sup>1</sup>
Crabgrass, Large <sup>1</sup>	Foxtail, Yellow <sup>1</sup>	Signalgrass, Broadleaf <sup>1</sup>
Crabgrass, Smooth <sup>1</sup>	Johnsongrass, Seedling <sup>1</sup>	
Foxtail, Giant <sup>1</sup>		

<sup>1</sup> Controlled with pre-emergence applications.  
<sup>2</sup> Controlled with post-emergence applications.  
<sup>3</sup> Requires two applications for control.

**Hard-To-Control Weeds:** Although this product may not provide commercially acceptable control in every instance, it will suppress growth of the following weeds and reduce their competition with Potato plants.

Broadleaves		
Barnyardgrass	Nightshade, Hairy	Purslane, Common
Grasses	Nutsedge, Yellow	Sunflower, Common
Kochia		

**Note:** Where Triazine resistant weeds are present, this product alone may not provide adequate control.

#### Tank-Mixes:

This product may be tank-mixed with the following herbicides: EPTC (e.g., Eptam), Metolachlor or S-Metolachlor (e.g., Me-Too-Lachlor, Dual Magnum), Pendimethalin (e.g., PIN-DEE 3.3 EC, Prowl 3.3 EC) and Rimsulfuron (e.g., Matrix). In addition, three-way tank-mix combinations may be used for this product plus EPTC (e.g., Eptam), Metolachlor or S-Metolachlor (e.g., Me-Too-Lachlor, Dual Magnum), Pendimethalin (e.g., PIN-DEE 3.3 EC, Prowl 3.3 EC) and Rimsulfuron (e.g., Matrix) when applied pre-emergence. Refer to each product's label for precautionary statements, restrictions, application information and weeds controlled.

**EPTC (e.g., Eptam)** - This product may be tank-mixed with Eptam at rates and uses permitted on each product's label.

**Metolachlor or S-Metolachlor (e.g., Me-Too-Lachlor or Dual Magnum)** - This product may be applied in a tank-mix combination with Me-Too-Lachlor or Dual Magnum as a pre-emergence broadcast application. Apply this product at 0.75 to 2 pints per acre and Me-Too-Lachlor or Dual Magnum at 1 to 2 pints per acre according to the respective labels for use of each product alone on Potatoes.

**Pendimethalin (e.g., PIN-DEE 3.3 EC or Prowl 3.3 EC)** - This product may be applied in tank-mix combination with PIN-DEE 3.3 EC or Prowl 3.3 EC as a pre-emergence or early post-emergence broadcast application. As a pre-emergence mix, apply this product at 1 to 2 pints per acre and PIN-DEE 3.3 EC or Prowl 3.3 EC at 1.2 to 3.6 pints per acre. As an early post-emergence spray, apply this product at 0.5 to 1 pint per acre and PIN-DEE 3.3 EC or Prowl 3.3 EC at 1.2 to 3.6 pints per acre before the crop is in the 6 inch growth stage.

**Rimsulfuron (e.g., Matrix) (except the following counties in Colorado: Alamosa, Conejos, Costillo, Rio Grande and Saguache)**

- This product may be applied in tank-mix combination with Matrix as a pre-emergence and/or early post-emergence application for improved control on weeds such as Common lambsquarters, Kochia and Russian thistle. As a pre-emergence mix, apply this product at 0.5 to 1.125 pints per acre and Matrix at 1 to 1.5 ounces of product per acre. As an early post-emergence spray, apply this product at 0.5 to 1 pint per acre and Matrix at 1 to 1.5 ounces of product per acre. Use a non-ionic surfactant (e.g., Surf-Ac 820) at a rate of 0.125% v/v (1 pt./100 gals. of water). Apply before the crop exceeds 14 inches in height. Post-emergence applications of Matrix treatments should be made prior to June 30.

#### Use Precautions:

- Post-emergence applications may cause some chlorosis or minor necrosis. These symptoms may be more severe if seed-piece decay is occurring or if growing conditions favor crop stress.
- Post-emergence applications may be made only on russet or white skinned varieties that are not early maturing.

- Potato varieties may vary in their response to herbicide applications. When using this product for the first time on a particular variety, always determine crop tolerance before using on a field scale.
- Certain Cereal varieties are sensitive to this product (see "CEREALS (SPRING AND WINTER BARLEY, WINTER WHEAT)" section of this label for sensitive varieties) and should not be planted during the next growing season unless the following cultural practices occur:
  - Potato vines left in rows as a result of harvest must be uniformly distributed over the soil surface prior to plowing and,
  - Plow with a moldboard plow to a depth sufficient to mix the upper 8 inches of soil.

#### Use Restrictions:

- Do not use this product on Potatoes in Kern County, California.
- Do not apply more than a total of 2 pints of this product per acre in a single crop season regardless of the method of application.
- Do not make post-emergence applications prior to rainfall or irrigation on recently cultivated Potatoes or within 3 days after periods of cool, wet or cloudy weather or injury may occur.
- Pre-Harvest Interval (PHI): Do not apply this product within 60 days of harvest.
- Do not use airblast sprayer.
- Do not apply to Sweet potatoes or Yams.
- Do not plant sensitive crops such as Cole crops, Cucurbits, Lettuce and Onions during the next growing season following application of this product.

#### SOYBEANS (EXCEPT CALIFORNIA)

Tank-mix combinations with this product may be used for pre-plant incorporated applications, pre-emergence surface applications, Split-Shot application and Extended Split-Shot application. This product may also be used as an overlay application following a pre-plant incorporated application of a grass herbicide and alone as a pre-emergence surface application. All these applications can be applied with ground equipment and some can be applied with aerial spray equipment. In addition, this product can be applied as a post-emergence directed spray to Soybeans in certain states.

#### SPECIAL PRECAUTIONS:

Injury to Soybeans may occur when this product is used under the following conditions:

- When soils have a calcareous surface area or a pH of 7.5 or higher.
- Due to the sensitivity of certain Soybean varieties, this product should not be used on Altona, AP 55, AP 71, Asgrow 6520, Burlison, Coker 102, Coker 156, Dassel, GL 3202, Govan, Maple Amber, NB 3665, NKS 1884, Paloma 350, Portage, Regal, Semmes, Terra-Vig 505, Terra-Vig 606, Tracy, Vansoy and Vinton 81. Consult your Manufacturer's representative or your seed supplier for information on the tolerance to this product of newly released Soybean varieties prior to use of this product.
- When applied in conjunction with soil-applied organic phosphate pesticides.
- Over application or boom overlapping may result in stand loss and soil residues.
- Uneven application or improper incorporation can decrease the level of weed control and/or increase the level of injury.
- When applied to any soil with less than 0.5% organic matter.
- Soil incorporation deeper than specified.
- When sprayers are not calibrated accurately.
- When heavy rains occur soon after application, especially in poorly drained areas where water may stand for several days.
- When Soybeans are planted less than 1.5 inches deep, particularly in pre-emergence application.

**Activation:** A minimum amount of soil moisture is required to activate this product. In areas of low rainfall, pre-emergence applications to dry soil should be followed with light irrigation of 0.25 acre-inch of water. Do not apply heavy irrigation immediately after application. As with many surface-applied herbicides, weed control and crop tolerance may vary with rainfall and/or soil texture.

**Grazing and Feeding Treated Vines:** Treated vines may be grazed or fed to livestock 40 days after application when this product is applied alone or with Metolachlor (e.g., Me-Too-Lachlor), S-Metolachlor (e.g., Dual Magnum), Pendimethalin (e.g., PIN-DEE 3.3 EC or Prowl 3.3 EC) or Trifluralin (Trifluralin 4EC or Treflan®).

Do not use treated vines for feed or forage when this product is applied with Ethalfluralin (e.g., Sonalan®) or Linuron (e.g., Lorox) plus Metolachlor (e.g., Me-Too-Lachlor) or S-Metolachlor (e.g., Dual Magnum).

**Rate Ranges:** Where a rate range is shown, use a lower rate on soils that are *Coarse textured* or low in organic matter. Use a higher rate on soils that are relatively *Fine textured* or high in organic matter.

**Replanting:** If replanting is necessary in fields treated with this product as directed on this label, the field may be replanted to Soybeans. When replanting, use a minimum of tillage. Do not apply a second treatment as injury to Soybeans may occur.

WEEDS CONTROLLED BY THIS PRODUCT AND TANK-MIX COMBINATIONS OF THIS PRODUCT								
C = Control; S = Suppression or Erratic Control; P = Poor or No Control; 0 = No Information (Control may range from poor to excellent)								
1 = THIS PRODUCT Alone	5 = THIS PRODUCT plus Pendimethalin							
2 = THIS PRODUCT Split-Shot	6 = Extended Split-Shot							
3 = THIS PRODUCT plus Trifluralin	7 = THIS PRODUCT plus Ethalfluralin							
4 = THIS PRODUCT plus Metolachlor or S-Metolachlor	8 = THIS PRODUCT plus Linuron plus (Metolachlor or S-Metolachlor)							
ANNUAL BROADLEAF WEEDS	1	2	3	4	5	6	7	8
Anoda, Spurred ( <i>Anoda cristata</i> )	C	C	C	C	C	C	C	0
Beggarweed, Florida ( <i>Desmodium tortuosum</i> )	C	C	C	C	C	C	C	C
Buffalobur ( <i>Solanum rostratum</i> )	C	C	P	P	P	C	P	0
Carpetweed ( <i>Mollugo verticillata</i> )	C	C	C	C	C	C	C	C
Cocklebur ( <i>Xanthium pensylvanicum</i> )	S	C	S	S	S	C	S	S
Copperleaf, Hophornbeam ( <i>Acalypha ostryaefolia</i> )	C	C	C	C	C	C	C	C
Galinsoga ( <i>Galinsoga</i> spp.)	C	C	C	C	C	C	C	C
Jimsonweed ( <i>Datura stramonium</i> )	C	C	C	C	C	C	C	S
Knotweed ( <i>Polygonum</i> spp.)	C	C	C	C	C	C	C	C
Kochia ( <i>Kochia scoparia</i> )	C	C	C	C	C	C	C	C
Lambsquarters ( <i>Chenopodium</i> spp.)	C	C	C	C	C	C	C	C
Mallow, Venice ( <i>Hibiscus trionum</i> )	C	C	C	C	C	C	C	C
Marestail/Horseweed ( <i>Conyza canadensis</i> )	0	0	0	0	0	C	0	0
Morningglory, Ivyleaf ( <i>Ipomoea hederacea</i> )	P	P	S	P	P	P	P	P
Morningglory, Pitted ( <i>Ipomoea lacunosa</i> )	P	P	S	P	P	P	P	P
Morningglory, Smallflower ( <i>Jacquemontia tamnifolia</i> )	P	P	C	P	P	P	P	P
Morningglory, Tall ( <i>Ipomoea purpurea</i> )	P	P	S	P	P	P	P	P
Mustards, Wild ( <i>Brassica</i> spp.)	C	C	C	C	C	C	C	C
Nightshade, Black ( <i>Solanum nigrum</i> )	P	P	P	C	P	C	P	S
Pigweeds ( <i>Amaranthus</i> spp.)	C	C	C	C	C	C	C	C
Purslane ( <i>Portulaca oleracea</i> )	C	C	C	C	C	C	C	C
Pusley, Florida ( <i>Richardia scabra</i> )	C	C	C	C	C	C	C	C
Ragweed, Common ( <i>Ambrosia artemisiifolia</i> )	C	C	C	C	C	C	C	C
Redweed ( <i>Melochia corchorifolia</i> )	C	C	C	C	C	C	C	C
Sesbania ( <i>Sesbania</i> spp.)	C	C	C	C	C	C	C	C
Shepherdspurse ( <i>Capsella bursa-pastoris</i> )	C	C	C	C	C	C	C	C
Sicklepod ( <i>Cassia obtusifolia</i> )	C	C	S	C	S	C	S	S
Sida, Prickly/Teaweed ( <i>Sida spinosa</i> )	C	C	C	C	C	C	C	C
Smartweeds ( <i>Polygonum</i> spp.)	C	C	C	C	C	C	C	S
Spurge, Spotted ( <i>Euphorbia maculata</i> )	C	C	P	C	P	C	P	0
Starbur, Bristly ( <i>Acanthospermum hispidum</i> )	C	C	C	C	C	C	C	C
Sunflower ( <i>Helianthus</i> spp.)	C	C	S	S	S	C	S	P
Thistle, Russian ( <i>Salsofa kali</i> )	C	C	C	C	C	C	C	C
Velvetleaf ( <i>Abutilon theophrasti</i> )	C	C	C	C	C	C	C	C
ANNUAL GRASSES								
Barnyardgrass ( <i>Echinochloa crus-galli</i> )	S	C	C	C	C	C	C	C
Bluegrass ( <i>Poa annua</i> )	C	C	C	C	C	C	C	C
Crabgrass ( <i>Digitaria</i> spp.)	C	C	C	C	C	C	C	C
Crowfootgrass ( <i>Dactyloctenium aegyptium</i> )	C	C	C	C	C	C	0	0
Cupgrass ( <i>Eriochloa gracilis</i> )	P	C	P	P	P	C	0	0
Foxtails ( <i>Setaria</i> spp.)	S	C	C	C	C	C	C	C
Goosegrass ( <i>Eleusine indica</i> )	C	C	C	C	C	C	C	C
Johnsongrass, Seedling ( <i>Sorghum halepense</i> )	C	C	C	C	C	C	C	0
Junglerice ( <i>Echinochloa colonum</i> )	C	C	C	C	C	C	C	0
Millet, Browntop ( <i>Panicum ramosum</i> )	C	C	C	P	C	C	0	0
Nutsedge, Yellow ( <i>Cyperus esculentus</i> )	P	P	P	C	P	C	P	0
Panicum, Fall ( <i>Panicum dichotomiflorum</i> )	P	C	C	C	C	C	C	C
Panicum, Texas ( <i>Panicum texanum</i> )	P	C	C	P	C	S	C	0
Rice, Red ( <i>Oryza sativa</i> )	P	C	C	C	P	C	0	0

(Continued)

WEEDS CONTROLLED BY THIS PRODUCT AND TANK-MIX COMBINATIONS OF THIS PRODUCT (Cont.)								
<b>C</b> = Control; <b>S</b> = Suppression or Erratic Control; <b>P</b> = Poor or No Control; <b>0</b> = No Information (Control may range from poor to excellent)								
<b>1</b> = THIS PRODUCT Alone				<b>5</b> = THIS PRODUCT plus Pendimethalin				
<b>2</b> = THIS PRODUCT Split-Shot				<b>6</b> = Extended Split-Shot				
<b>3</b> = THIS PRODUCT plus Trifluralin				<b>7</b> = THIS PRODUCT plus Ethalfuralin				
<b>4</b> = THIS PRODUCT plus Metolachlor or S-Metolachlor				<b>8</b> = THIS PRODUCT plus Linuron plus (Metolachlor or S-Metolachlor)				
ANNUAL GRASSES	1	2	3	4	5	6	7	8
Sandbur ( <i>Cenchrus</i> spp.)	P	C	C	P	C	S	0	0
Shattercane ( <i>Sorghum bicolor</i> )	P	C	C	P	P	P	C	0
Signalgrass, Broadleaf ( <i>Brachiaria platyphylla</i> )	C	C	C	C	C	C	C	0
Sorghum, Volunteer ( <i>Sorghum</i> spp.)	P	C	C	P	P	P	0	P
Sprangletop ( <i>Leptochloa</i> spp.)	P	C	C	P	P	P	0	P
Stinkgrass ( <i>Eragrostis</i> spp.)	P	C	C	P	P	P	0	P
Wheat, Volunteer ( <i>Triticum</i> spp.)	P	P	P	P	P	P	0	P
Witchgrass ( <i>Panicum capillare</i> )	P	C	C	C	C	C	C	0

## THIS PRODUCT ALONE

**Pre-emergence Application:** The following rates of THIS PRODUCT may be applied pre-emergence to Soybeans through center pivot or lateral move sprinkler irrigation systems that apply water in a uniform manner. Refer to "CHEMIGATION" section of this label for directions. THIS PRODUCT can be applied broadcast or banded. This application may be made during planting or as a separate operation after planting but before crop emergence. See "USE INFORMATION" section in the front of this label.

Do not apply to *Sand soils*, *Sandy loam* or *Loamy sand soils* containing less than 2% organic matter. Do not incorporate into soil or apply more than once per season.

THIS PRODUCT (Pts./Ac.)			
Soil Texture	Organic Matter		
	< 2%	2 to 4%	> 4%
<b>Coarse Soils:</b> Loamy sand, Sandy loam	DO NOT USE***	0.75	1
<b>Medium Soils*:</b> Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	0.75 to 1	1 to 1.25	1.25 to 1.5
<b>Fine Soils:</b> Silty clay, Silty clay loam**, Clay, Clay loam	1 to 1.25	1.25 to 1.5	1.5 to 1.75
<b>Mississippi Delta Only</b>	1.5	1.75	2

\* For control of Lambsquarters, Redroot pigweed and Wild mustard and for suppression of Giant, Green and Yellow foxtails on Alkaline (calcareous) soils in Minnesota, Nebraska, North Dakota and South Dakota only, apply THIS PRODUCT at rates of 0.5 pt./Ac. on Medium soils and 0.5 to 0.75 pt./Ac. on Fine soils regardless of soil organic matter percentage (use 0.75 pt. only where soil pH is less than 7.5 and weed pressure is heavy). The 0.5 pt./Ac. of THIS PRODUCT alone can be applied regardless of soil pH. For control of other weeds listed on this label, use THIS PRODUCT at full rates specified above, but note that crop injury may occur on soils having a calcareous surface area or a pH of 7.5 or higher.

\*\* Silty clay loam soils are transitional soils and may be classified as Medium textured soils in some regions of the U.S.

\*\*\* Refer to the appropriate section of this label for use of THIS PRODUCT on Soybeans in Coarse soils with 0.5% or more organic matter in certain states.

## THIS PRODUCT IN TANK-MIXTURE

### SPLIT-SHOT APPLICATION

A pre-plant incorporated application of THIS PRODUCT tank-mixed with either Ethalfuralin (e.g., Sonalan), Metolachlor (e.g., Me-Too-Lachlor), S-Metolachlor (e.g., Dual Magnum), Pendimethalin (e.g., PIN-DEE 3.3 EC or Prowl 3.3 EC) or Trifluralin (e.g., Trifluralin 4EC or Treflan) and followed by a pre-emergence surface application of THIS PRODUCT alone after planting but prior to Soybean emergence will control more broadleaf and grass weeds in Soybeans than when either herbicide is used alone.

Refer to the tank-mix partner labels and to appropriate sections of this label for directions on soil preparation, herbicide application, incorporation techniques, herbicide rates, weed species controlled and restrictions for using tank-mix combinations of THIS PRODUCT. Carefully observe the "Special Precautions" sections concerning the use of THIS PRODUCT in tank-mix combinations on Soybeans.

When a split-shot application of THIS PRODUCT with Ethalfuralin (e.g., Sonalan), Pendimethalin (e.g., PIN-DEE 3.3 EC or Prowl 3.3 EC) or Trifluralin (e.g., Trifluralin 4EC or Treflan) is used, the pre-plant incorporated tank-mix may be applied up to 21 days prior to planting Soybeans; with Metolachlor (e.g., Me-Too-Lachlor) or S-Metolachlor (e.g., Dual Magnum), the pre-plant incorporated tank-mix may be applied up to 14 days prior to planting.

On *Medium* and *Fine textured soils* with greater than 2% organic matter, a rate range is given for pre-emergence overlay application of THIS PRODUCT. The higher rate should be used (a) in fields with a history of severe broadleaf weed pressure, (b) when the time between pre-plant incorporated tank-mix and pre-emergence overlay applications approaches the maximum stated above, and/or (c) when the organic matter content of the soil is at the upper end of the indicated range.

For control of Black nightshade, refer to the appropriate sections of the Ethalfuralin (e.g., Sonalan), Metolachlor (e.g., Me-Too-Lachlor) or S-Metolachlor (e.g., Dual Magnum) labels for specific instructions.

SPLIT-SHOT APPLICATION						
Pre-plant Incorporated Tank-mix Application - FOLLOWED BY - Pre-emergence Overlay Application						
Soil Texture*	Rate of Combination Product/Ac.	+	Rate of THIS PRODUCT (Pt./Ac.)	Rate of THIS PRODUCT (Pt./Ac.)		
				Organic Matter		
				< 2%	2 to 4%	> 4%
<b>Coarse (Light):</b> Loamy sand, Sand, Sandy loam	Trifluralin 4 EC/Treflan 1 pt. <b>Or</b> Me-Too-Lachlor/Dual 0.8 to 1 pt. <b>Or</b> PIN-DEE 3.3 EC/Prowl 3.3 EC 1.5 pts. <b>Or</b> Sonalan 1.25 to 2 pts.	+	0.5 Followed By	0.25	0.25	0.25 to 0.5
<b>Medium:</b> Loam, Silt loam, Sandy clay loam, Silt, Sandy clay	Trifluralin 4 EC/Treflan 1.5 pts. <b>Or</b> Me-Too-Lachlor/Dual 1 pt. <b>Or</b> PIN-DEE 3.3 EC/Prowl 3.3 EC 1.5 pts. <b>Or</b> Sonalan 1.75 to 2.5 pts.	+	0.75 Followed By Or 0.5** Followed By	0.25  0.5	0.25 to 0.5  0.5 to 0.75	0.5 to 0.75  (0.75 to 1)***
<b>Fine (Heavy):</b> Silty clay loam****, Clay loam, Silty clay, Clay	Trifluralin 4 EC/Treflan 2 pts. <b>Or</b> Me-Too-Lachlor/Dual 1.3 to 1.7 pts. <b>Or</b> PIN-DEE 3.3 EC/Prowl 3.3 EC 1.5 to 2 pts. <b>Or</b> Sonalan 2.25 to 3 pts.	+	1 Followed By Or 0.75** Followed By	0.25  0.5	0.25 to 0.5  0.5 to 0.75	0.5 to 0.75  (0.75 to 1)***
<p>*On Coarse textured soils, do not use on Sand soils with less than 1% organic matter or on Loamy sand or Sandy loam soils with less than 0.5% organic matter. However, on Coarse textured soils with a calcareous surface area or a pH of 7.5 or higher, do not use on Sand soils with less than 2% organic matter or on Loamy sand or Sandy loam soils with less than 1% organic matter.</p> <p>** Use this lower rate of THIS PRODUCT in the pre-plant incorporated tank-mix on soils having a calcareous surface area or a pH of 7.5 or higher and in those situations where soils within a field vary extremely in texture or organic matter content.</p> <p>*** Reduce this pre-emergence overlay rate of THIS PRODUCT by 0.25 pt./Ac. when using SPLIT-SHOT application on soils with over 4% organic matter and which have a calcareous surface area or a pH of 7.5 or higher.</p> <p>**** Silty clay loam soils are transitional soils and may be classified as Medium textured soils in some regions of the U.S.</p>						

### EXTENDED SPLIT-SHOT APPLICATION

(Includes No-Till, Reduced-Till, Ridge-Till, Strip-Till, Mulch-Till)

An early pre-plant (surface-applied or shallow incorporated) application of THIS PRODUCT tank-mixed with either. Metolachlor (e.g., Me-Too-Lachlor) or S-Metolachlor (e.g., Dual Magnum) followed by a pre-emergence surface application of THIS PRODUCT tank-mixed with Metolachlor (e.g., Me-Too-Lachlor) or S-Metolachlor (e.g., Dual Magnum) after planting but prior to Soybean emergence, will control more broadleaf and grass weeds in Soybeans than either herbicide used alone.

An extended split-shot application will decrease the need for tillage and/or contact herbicides for the control of existing vegetation prior to planting while providing residual control of weeds after planting.

When an extended split-shot application of THIS PRODUCT with Metolachlor (e.g., Me-Too-Lachlor) or S-Metolachlor (e.g., Dual Magnum) is used, the pre-plant tank-mix combination may be applied

15 to 30 days prior to planting Soybeans. Follow directions on the label accompanying the product for SPLIT-SHOT applications from 0 to 14 days before planting.

Where a rate range is given, the higher specified rates should be used (a) in fields with a history of severe weed pressure, (b) when the time between early pre-plant tank-mix and pre-emergence overlay applications approaches the maximum 30 days, (c) when the organic matter content of the soil is at the upper end of the indicated range and/or (d) when heavy crop residues are present on the soil surface. When weeds exceed 1 to 1.5 inches in height or diameter at application, use a contact herbicide such as Glyphosate (e.g., Imitator, Roundup) or Paraquat (e.g., Quik-Quat, Gramoxone). Refer to the Metolachlor (e.g., Me-Too-Lachlor) or S-Metolachlor (e.g., Dual Magnum) label and to appropriate sections of this label for additional information on soil preparation, herbicide application, weeds controlled, precautions, restrictions, limitations and sprayer clean-up.

EXTENDED SPLIT-SHOT APPLICATION									
Early Pre-plant Tank-mix Application (Surface-Applied or Shallow Incorporated)				Followed By	Pre-emergence Overlay Application				
Soil Texture*	Rate of Combination Product/Ac.	+	Rate of THIS PRODUCT (Pts./Ac.)		Rate of Combination Product/Ac.	+	Rate of THIS PRODUCT (Pt./Ac.)		
							Organic Matter		
							0.5 to 2%	2 to 4%	> 4%
<b>COARSE (Light):</b> Sand, Loamy sand, Sandy loam	Metolachlor (e.g., Me-Too-Lachlor, Dual) 0.9 pt.	+	0.5 to 0.75	Metolachlor (e.g., Me-Too-Lachlor, Dual)	0.4 pt.	+	0.25	0.25 to 0.5	0.5
<b>MEDIUM:</b> Loam, Silt loam, Sandy clay loam, Silt, Sandy clay	Metolachlor (e.g., Me-Too-Lachlor, Dual) 1.2 pts.	+	**0.75 to 1	Metolachlor (e.g., Me-Too-Lachlor, Dual)	0.5 pt	+	0.5	0.5 to 0.75	0.75 to 1
<b>FINE (Heavy):</b> Silty clay loam***, Clay loam, Silty clay, Clay	Metolachlor (e.g., Me-Too-Lachlor, Dual) 1.3 pts.	+	**1 to 1.25	Metolachlor (e.g., Me-Too-Lachlor, Dual)	0.7 pt.	+	0.5	0.5 to 0.75	0.75 to 1
* On Coarse textured soils, do not use on Sand soil with less than 1% organic matter. However, on Coarse textured soils with a calcareous surface area or a pH of 7.5 or higher, do not use on Sand soils with less than 2% organic matter or on Loamy sand or Sandy loam soils with less than 1% organic matter. ** Use the lower rate of THIS PRODUCT in the early pre-plant tank-mix on soils having a calcareous surface area or a pH of 7.5 or higher and in those rare situations where soils within a field vary extremely in texture or organic matter content. *** Silty clay loam soils are transitional soils and may be classified as Medium textured soils in some regions of the U.S.									



**THIS PRODUCT PLUS ETHALFLURALIN (e.g., SONALAN)****THIS PRODUCT plus Ethalfluralin (e.g., Sonalan) Overlay**

**Application:** THIS PRODUCT may be applied as a pre-emergence overlay application following a pre-plant incorporated application of Sonalan. Consult the Sonalan label for specific use directions, restrictions and any additional weeds not specified on this label.

**THIS PRODUCT plus Ethalfluralin (e.g., Sonalan) Tank-mix**

**Application:** Incorporate the tank-mixture into the top 1 to 2 inches of soil within 21 days before planting according to label directions for Sonalan.

Apply THIS PRODUCT plus Sonalan pre-plant incorporated if furrow irrigation is used or when a period of dry weather after application is expected. If Soybeans are planted on beds, apply and incorporate the tank-mixture after bed formation.

**Mixing:** Refer to the "USE INFORMATION" section in the front of this label.

**Application:** Apply Ethalfluralin (e.g., Sonalan) uniformly and thoroughly mix into the soil within 2 days after application. For specific application information, refer to the "USE INFORMATION" section in the front of this label.

THIS PRODUCT plus Ethalfluralin (e.g., Sonalan) BROADCAST RATES		
Soil Texture	THIS PRODUCT (Pt./Ac.)	Sonalan 3EC (Pts./Ac.)
<b>COARSE*</b> Sandy loam, Loamy sand	0.5	1.25 to 2
<b>MEDIUM**</b> Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	0.75	1.75 to 2.5
<b>FINE***</b> Silty clay, Silty clay loam**, Clay, Clay loam	1	2.25 to 3
<p>* Do not use on Coarse soils with less than 1% organic matter.</p> <p>** Silty clay loams soils are transitional soils and may be classified as Medium textured soils in some regions of the U.S.</p> <p>*** For control of Lambsquarters, Redroot pigweed, Wild mustard, Green and Yellow foxtails on Alkaline (calcareous) soils in Minnesota, Nebraska, North Dakota and South Dakota only, apply THIS PRODUCT at rates of 0.5 pt./Ac. on Medium soils and 0.5 to 0.75 pt./Ac. on Fine soils regardless of soil organic matter percentage (use 0.75 pt. only where soil pH is less than 7.5 and weed pressure is heavy). The 0.5 pt. rate of THIS PRODUCT in tank-mix combination with Sonalan can be applied regardless of soil pH. For control of other weeds not listed on the label, use THIS PRODUCT at full rates specified above, but note that crop injury may occur on soils having a calcareous surface area or a pH of 7.5 or higher.</p>		

For Black nightshade control, refer to the Ethalfluralin (e.g., Sonalan) label for specific rates and application instructions.

**Use Precautions:** For additional precautions, restrictions, limitations, incorporation and sprayer cleanup information, refer to the appropriate sections of this label and the Ethalfluralin (e.g., Sonalan) label.

**THIS PRODUCT PLUS TRIFLURALIN (e.g., TRIFLURALIN 4EC, TREFLAN)****THIS PRODUCT and Trifluralin 4EC or Treflan Overlay Application:**

THIS PRODUCT may be applied as a pre-emergence broadcast or band overlay application following a pre-plant incorporated treatment of Trifluralin 4EC or Treflan. Consult the Trifluralin 4EC or Treflan label for specific use directions, directions, restrictions and any additional weeds not specified on this label.

**THIS PRODUCT plus Trifluralin 4EC or Treflan Tank-Mix**

**Application:** A single application of a tank-mix combination of THIS PRODUCT and Trifluralin 4EC or Treflan EC will control more broadleaf and grass weeds in Soybeans than when either herbicide is used alone.

Prepare the soil surface by deep plowing, offset disking or tandem disking prior to the application of the herbicide combination. The soil surface should be well prepared and free of clods and trash.

THIS PRODUCT plus Trifluralin 4EC or Treflan tank-mix combination may be applied and incorporated into the soil up to 10 days before planting.

**Mixing:** Refer to the "USE INFORMATION" section in the front of this label.

**Application:** For specific application information, refer to the "USE INFORMATION" section in the front of this label.

Apply THIS PRODUCT plus Trifluralin 4EC or Treflan to the soil surface and incorporate in the same operation, if possible. Variable weed control may result from delayed incorporation if THIS PRODUCT plus Trifluralin 4EC or Treflan are applied to a wet, warm soil surface or if the wind velocity is 10 miles per hour or higher. Use machinery that mixes THIS PRODUCT plus Trifluralin 4EC or Treflan thoroughly with the soil. Incorporation may be delayed up to 24 hours after application. Shallow incorporation with implements set to cut less than 2 inches deep may result in erratic weed control. Do not use spike or spring-tooth harrows alone for incorporation.

**Incorporation Equipment:**

1. Set PTO driven equipment (tillers, cultivators, hoes) to cut 2 to 3 inches deep and space rotors to provide a clean sweep of the soil. PTO equipment should not be operated at a speed greater than 4 miles per hour.
2. Set disk to cut 4 to 6 inches deep and operate twice in different directions at 4 to 6 miles per hour.
3. Set mulch treader and other similar disk-type implements to cut 3 to 4 inches deep and operate twice in different directions at 5 to 8 miles per hour.
4. **For Coarse and Medium Textured Soils Only:** Set rolling cultivator to cut 2 to 4 inches deep and operate twice at 6 to 8 miles per hour. Set bed conditions (Do-All) to cut 2 to 4 inches deep and operate at 4 to 6 miles per hour.

**THIS PRODUCT plus Trifluralin (e.g., Trifluralin 4EC or Treflan) BROADCAST RATES**

Soil Texture	THIS PRODUCT (Pt./Ac.)	Trifluralin 4EC or Treflan EC (Pts./Ac.)
<b>COARSE*</b> Sandy loam, Loamy sand	0.5	1
<b>MEDIUM</b> Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	0.75	1.5
<b>FINE</b> Silty clay, Silty clay loam**, Clay, Clay loam***	1	2
<p>* Do not use on Coarse soils with less than 1% organic matter.</p> <p>** Silty clay loam soils are transitional soils and may be classified as Medium textured soils in some regions of the U.S.</p> <p>*** For control of Lambsquarters, Redroot pigweed, Green and Yellow foxtails and Wild mustard on Alkaline (calcareous) soils in Minnesota, Nebraska, North Dakota and South Dakota only, apply THIS PRODUCT at 0.5 pt./Ac. on Medium soils and 0.5 to 0.75 pt./Ac. on Fine soils regardless of soil organic matter percentage (use 0.75 pt./Ac. only where soil pH is less than 7.5 and weed pressure is heavy). The 0.5 pt./Ac. rate of THIS PRODUCT in tank-mix combination with Trifluralin 4EC or Treflan can be applied regardless of soil pH. For control of other weeds listed on the label, use THIS PRODUCT at full rates specified above, but note that crop injury may occur on soils having a calcareous surface area or a pH of 7.5 or higher.</p>		

**Use Precautions:**

- Seedling disease, cold weather, excessive moisture, high salt concentration or drought may weaken Soybean seedlings and increase possibility of damage from the tank-mix.
- Plant Soybeans no deeper than 2 inches.
- For additional precautions, restrictions and limitations and sprayer cleanup information, refer to the appropriate section of this label.

**Use Restrictions:**

- Do not rotate any crop not listed on this label for 18 months following application.
- Do not use THIS PRODUCT plus Trifluralin tank-mix combination on soil containing charcoal in Arkansas, Louisiana and Mississippi.

**THIS PRODUCT PLUS METOLACHLOR (e.g., Me-Too-****Lachlor) or S-METOLACHLOR (e.g., Dual Magnum)****THIS PRODUCT plus Me-Too-Lachlor or Dual Magnum Overlay Application:**

Apply a pre-plant incorporated treatment of Metolachlor or S-Metolachlor as directed on that product label for use on Soybeans. Follow with a pre-emergence treatment of THIS PRODUCT as directed on this label for use on Soybeans.

**THIS PRODUCT plus Me-Too-Lachlor or Dual Magnum Tank-Mix Applications:**

**Pre-plant Incorporated Application** - Incorporate the tank-mixture into the top 2 inches of soil within 14 days before planting using a disk, harrow, rolling cultivator or similar implement.

Apply THIS PRODUCT plus Me-Too-Lachlor or Dual Magnum pre-plant incorporated if furrow irrigation is used or when a period of dry weather after application is expected. If Soybeans are planted on beds, apply and incorporate the tank-mixture after bed formation.

**Pre-emergence Application** - Dry weather following pre-emergence application of THIS PRODUCT plus Me-Too-Lachlor or Dual Magnum tank-mixture may reduce effectiveness. If weeds develop, cultivate uniformly with shallow tillage equipment such as a rotary hoe that will not damage Soybeans.

**Mixing Instructions:** Refer to the "USE INFORMATION" section in the front of this label.

For information on applying THIS PRODUCT in fluid or dry fertilizer, refer to "APPLICATION OF THIS PRODUCT IN FLUID FERTILIZERS" or "COMMERCIAL IMPREGNATION AND APPLICATION OF THIS PRODUCT ON DRY BULK FERTILIZER" section in front of this label.

THIS PRODUCT plus Metolachlor (e.g., Me-Too-Lachlor) or S-Metolachlor (e.g., Dual Magnum) Pre-emergence Applications BROADCAST RATES		
0.5 to 3% Organic Matter		
Soil Texture	THIS PRODUCT (Pts./Ac.)	Me-Too-Lachlor or Dual Magnum (Pts. / Ac.)
<b>COARSE*</b> Loamy sand, Sandy loam	0.5	0.8
<b>MEDIUM</b> Loam, Silt loam, Silt	0.75	1
<b>FINE</b> Silty clay loam**, Sandy clay loam, Silty clay, Sandy clay, Clay loam, Clay	1	1.3
<b>MISSISSIPPI DELTA ONLY</b> Silty clay, Clay	1 to 1.5	1.3
> 3% Organic Matter		
<b>COARSE*</b> Loamy sand, Sandy loam	0.75	1
<b>MEDIUM</b> Loam, Silt loam, Silt	1	1.3
<b>FINE</b> Silty clay loam**, Sandy clay loam, Silty clay, Sandy clay, Clay loam, Clay	1 to 1.25	1.3 to 1.7
<b>MISSISSIPPI DELTA ONLY</b> Silty clay, Clay	1.5	1.3 to 1.7
* Do not use on Sand soils. Do not apply THIS PRODUCT and Me-Too-Lachlor or Dual Magnum overlay or tank-mix pre-emergence on Loamy sand with less than 2% organic matter. **Silty clay loam soils are transitional soils and may be classified as Medium textured soils in some regions of the U.S.		

THIS PRODUCT plus Metolachlor (e.g., Me-Too-Lachlor) or S-Metolachlor (e.g., Dual Magnum) Pre-plant Incorporated Applications BROADCAST RATES		
0.5% to < 3% Organic Matter		
Soil Texture	THIS PRODUCT (Pts./Ac.)	Me-Too-Lachlor or Dual Magnum (Pts./Ac.)
<b>COARSE*</b> Loamy sand, Sandy loam	0.5	0.8
<b>MEDIUM</b> Loam, Silt loam, Silt	0.75	1
<b>FINE</b> Silty clay loam**, Sandy clay loam, Silty clay, Sandy clay, Clay loam, Clay	1	1.3
<b>MISSISSIPPI DELTA ONLY</b> Silty clay, Clay	1 to 1.25	1.3
≥ 3% Organic Matter		
<b>COARSE*</b> Loamy sand, Sandy loam	0.5	1
<b>MEDIUM</b> Loam, Silt loam, Silt	0.75	1.3
<b>FINE</b> Silty clay loam**, Sandy clay loam, Silty clay, Sandy clay, Clay loam, Clay	1	1.3 to 1.7
<b>MISSISSIPPI DELTA ONLY</b> Silty clay, Clay	1 to 1.25	1.3 to 1.7
* Do not use on Sand soils. Do not apply THIS PRODUCT plus Me-Too-Lachlor or Dual Magnum tank-mix pre-plant incorporated on Sand or Loamy sand with less than 2% organic matter or crop injury may occur. ** Silty clay loam soils are transitional soils and may be classified as Medium textured soils in some regions of the U.S.		

**Use Precautions:**

For additional precautions, restrictions, limitations and sprayer cleanup information, refer to the appropriate sections of this label and the Me-Too-Lachlor or Dual Magnum label.

**THIS PRODUCT PLUS PENDIMETHALIN (e.g., PIN-DEE 3.3 EC, PROWL 3.3 EC)**

**THIS PRODUCT plus PIN-DEE 3.3 EC or Prowl Overlay Application:** Apply a pre-plant incorporated treatment of PIN-DEE 3.3 EC or Prowl 3.3 EC as directed on that product label for use on Soybeans. Follow with a pre-emergence treatment of THIS PRODUCT as directed on this label for use on Soybeans.

**THIS PRODUCT plus PIN-DEE 3.3 EC or Prowl 3.3 EC Tank-mix Application**

**Pre-plant Incorporated Application** - Prepare the soil by plowing or disking to mix previous crop residues into the soil to a depth of 4 to 6 inches.

For specific application information, refer to the "USE INFORMATION" section in the front of this label.

Incorporate the tank-mixture into the top 1 or 2 inches of soil within 7 days after application according to label directions for PIN-DEE 3.3 EC or Prowl 3.3 EC. Mechanical incorporation is not required if a rain of 0.25 inch or more occurs within 7 days after application. Soybeans must be planted no later than 7 days after application of the tank-mixture.

**Pre-emergence Application** - Except for minimum and no-tillage systems, the seedbed should be firm and free of trash and clods. For specific application information, refer to the "USE INFORMATION" section in the front of this label. Do not apply PIN-DEE 3.3 EC or Prowl 3.3 EC pre-emergence north of Interstate 80. This application must be made after planting and before crop emergence. Do not incorporate.

If cultivation is necessary because of soil crusting, soil compaction or weed germination before rain or irrigation, use shallow tilling equipment such as a rotary hoe that does not damage Soybeans.

**Mixing Instructions:** Refer to the "USE INFORMATION" section in the front of this label.

For information on applying THIS PRODUCT in fluid or dry fertilizer, refer to the "APPLICATION OF THIS PRODUCT IN FLUID FERTILIZERS" or "COMMERCIAL IMPREGNATION AND APPLICATION OF THIS PRODUCT ON DRY BULK FERTILIZER" section of this label.

**Southern States and Eastern Coastal Plains:**

For use only in Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, North Carolina, Oklahoma, Southeastern Missouri "Bootheel" Region and Coastal Plains of Delaware\*, Maryland\*, New Jersey\* and Virginia\*.

(\*THIS PRODUCT plus PIN-DEE 3.3 EC or Prowl 3.3 EC should not be used on soils with less than 2% organic matter in the Coastal Plains of New Jersey or the Delmarva Peninsula.)

<b>THIS PRODUCT plus Pendimethalin (e.g., PIN-DEE 3.3 EC or Prowl 3.3 EC) BROADCAST RATES</b>		
<b>Soil Texture</b>	<b>THIS PRODUCT (Pt./Ac.)</b>	<b>PIN-DEE 3.3 EC or Prowl 3.3 EC (Pt./Ac.)</b>
<b>COARSE*</b> Sandy loam, Loamy sand	0.5	1.5
<b>MEDIUM</b> Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	0.75	1.5
<b>FINE</b> Silty clay, Silty clay loam**, Clay, Clay loam	1	1.5 to 2
*Do not use on Sand soils. Do not use on Loamy sand or Sandy loam containing less than 1% organic matter. **Silty clay loam soils are transitional soils and may be classified as Medium textured soils in certain regions of the U.S. Do not use on Muck or Peat soils.		

**Northeastern and North Central States:**

For use only in Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri (except the "Bootheel" Region), Nebraska, New York, North Dakota, Ohio, Pennsylvania, South Dakota and Wisconsin.

<b>THIS PRODUCT plus Pendimethalin (e.g., PIN-DEE 3.3 EC or Prowl 3.3 EC ) BROADCAST RATES</b>		
<b>0.5 to 3% Organic Matter</b>		
<b>Soil Texture</b>	<b>THIS PRODUCT (Pts./Ac.)</b>	<b>PIN-DEE 3.3 EC or Prowl 3.3 EC (Pt./Ac.)</b>
<b>COARSE*</b> Sandy loam, Loamy sand	0.5	1
<b>MEDIUM</b> Loam, Silt loam, Sandy clay, Sandy clay loam	0.75	1.5 to 2
<b>FINE</b> Silty clay, Silty clay loam**, Clay, Clay loam	0.75 to 1	1.5 to 2
<b>&gt; 3% Organic Matter</b>		
<b>COARSE*</b> Sandy loam, Loamy sand	0.75	1.5
<b>MEDIUM</b> Loam, Silt loam, Sandy clay, Sandy clay loam	0.75 to 1	1.5 to 2
<b>FINE</b> Silty clay, Silty clay loam**, Clay, Clay loam	1 to 1.25	2 to 2.5
* Do not use on Sand soils. Do not use on Loamy sand or Sandy loam containing less than 1% organic matter. Where a range of rates is shown for Medium and Fine soils, use the higher specified rate if heavy weed infestations are anticipated. ** Silty clay loam soils are transitional soils and may be classified as Medium textured soils in some regions of the U.S. Do not use on Muck or Peat soils.		

**Use Precautions:**

- Soil incorporation deeper than specified will reduce weed control and can result in crop injury.
- For additional precautions, restrictions, limitations and sprayer cleanup information, refer to the appropriate sections of this label and the PIN-DEE 3.3 EC or Prowl 3.3 EC label.

**THIS PRODUCT PLUS CLOMAZONE (e.g., COMMAND® 4EC)**

THIS PRODUCT may be applied in combination with Command 4EC as a pre-plant or shallow incorporated application for the control of certain weeds in Soybeans. Consult the Command 4EC label for specific use directions, precautions, restrictions and any additional weeds not specified on this label.

**Mixing:** Refer to the "USE INFORMATION" section in the front of this label.

**Application:** THIS PRODUCT plus Command 4EC may only be applied with ground equipment as a pre-plant or shallow incorporated application. THIS PRODUCT plus Command 4EC should be immediately incorporated into the top 1 to 3 inches after application unless surface is dry. On dry soils, incorporate into the top 1 to 3 inches within 3 hours of tank-mix application.

Do not apply this tank-mix within 1,000 feet of towns and subdivisions, commercial vegetable, fruit, nurseries or greenhouse operations.

A minimum of 15 gallons spray volume per acre should be used with appropriate nozzle types and sizes to produce a coarse spray droplet. The use of an approved agricultural drift reducing additive is recommended for application volumes of 15 to 40 gallons per acre. The use of an approved agricultural drift reducing additive is required at spray volumes of 10 to 15 gallons per acre.

**Note:** Off-site movement of Command 4EC spray drift or vapors can cause foliar whitening or yellowing of some vegetation. Prior to application of Command 4EC, read and strictly follow all precautions and application instructions as set forth in that label.

For additional information on application, refer to the "USE INFORMATION" section in the front of this label and the Command 4EC label.

<b>THIS PRODUCT plus Clomazone (e.g., Command 4EC) Pre-plant Incorporated Application BROADCAST RATES</b>		
<b>0.5% to 3% Organic Matter</b>		
<b>Soil Texture*</b>	<b>THIS PRODUCT (Pt./Ac.)</b>	<b>Command 4EC (Pt./Ac.)</b>
<b>COARSE**</b> Sandy loam, Loamy sand	0.5	1.5 to 2
<b>MEDIUM</b> Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	0.5 to 0.75	1.5 to 2
<b>FINE</b> Silty clay, Silty clay loam***, Clay, Clay loam	0.5 to 0.75	1.5 to 2
<b>&gt; 3% Organic Matter</b>		
<b>COARSE**</b> Sandy loam, Loamy sand	0.5	1.5 to 2
<b>MEDIUM</b> Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	0.5 to 0.75	1.5 to 2
<b>FINE</b> Silty clay, Silty clay loam***, Clay, Clay loam	0.75 to 1	1.5 to 2
* Crop injury may occur on soils having a calcareous surface area or a pH greater than 7.0. ** Do not use on Coarse soils with less than 1% organic matter. *** Silty clay loam soils are transitional soils and may be classified as Medium textured soils in some regions of the U.S.		

**Weeds Controlled:**

Anoda, Spurred Barnyardgrass*	Jimsonweed	Ragweed, Common
Beggarweed, Florida	Johnsongrass	Redweed
Bluegrass	(Seedling)*	Sesbania
Carpetweed	Knotweed	Sida, Prickly/ Teaweed
Copperleaf	Lambsquarters	Signalgrass,
Crabgrass*	Mallow, Venice	Broadleaf
Foxtails (Green, Giant, Robust Purple, *Yellow)	Mustard, Wild	Smartweeds
Galinsoga	Panicum, Fall*	Starbur, Bristly
Goosegrass	Panicum, Texas	Velvetleaf
	Pigweeds	Witchgrass
	Purslane	
	Pusley, Florida	

\* Use 2 pts./Ac. of Command 4EC on Coarse and Medium textured soils with high populations of these weeds.

**Use Precautions:**

Observe all precautions and limitations on labeling of all products used in mixtures.

**Use Restrictions:**

- Do not apply aerially or through irrigation equipment.
- Do not rotate to Alfalfa, Barley, seed Corn, Oats, Rye or Wheat in the Fall of the year of application or in the Spring of the following year as crop injury may occur.
- Do not rotate any crop not listed on this label for 18 months following application.
- Do not apply when weather conditions favor drift.
- Do not use treated vines for feed or forage.

**THIS PRODUCT PLUS CHLORIMURON + METRIBUZIN (e.g., CANOPY®) PLUS A GRASS HERBICIDE**

A tank-mix combination of THIS PRODUCT plus Chlorimuron + Metribuzin (e.g., Canopy 75 DF) plus a registered grass herbicide (e.g., Me-Too-Lachlor, Dual Magnum, PIN-DEE 3.3. EC or Prowl 3.3 EC, Sonalan, Trifluralin 4EC or Treflan) may be used in Soybeans.

**Application:**

Tank-mix combinations which include Me-Too-Lachlor, Dual Magnum, PIN-DEE 3.3. EC or Prowl 3.3 EC can be applied pre-emergence broadcast or pre-plant incorporated broadcast. When Sonalan, Trifluralin 4EC or Treflan are used in the tank-mix, apply pre-plant incorporated broadcast. Refer to the table below for rates of each product to be used in tank-mix combinations.

<b>THIS PRODUCT plus Chlorimuron + Metribuzin (e.g., Canopy 75 DF) plus a Grass Herbicide BROADCAST RATES</b>			
<b>Product</b>	<b>Soil Texture*</b>		
	<b>Coarse**</b>	<b>Medium</b>	<b>Fine</b>
THIS PRODUCT (Pt./Ac.)	0.5	0.5 to 0.75***	0.75 to 1***
Canopy 75 DF (Oz./Ac.)	3	3	3 to 4
Me-Too-Lachlor/Dual (Pt./Ac.)	0.8 to 1	1 to 1.3	1.3 to 1.7
PIN-DEE 3.3 EC/Prowl 3.3 EC (Pt./Ac.)	1.5	1.5 to 2	1.5 to 2.5
Sonalan (Pt./Ac.)	1.25 to 2	1.25 to 2.5	2.25 to 3
Trifluralin 4EC/ Treflan (Pt./Ac.)	1	1.5	2

\* Do not use on soils with a pH greater than 7.0  
 \*\* Refer to "SOIL TEXTURE" section in front of this label for specific soil classification.  
 \*\*\* Use the lower rate of THIS PRODUCT in pre-plant incorporated tank-mix as in those situations where soil extremely vary in texture or organic matter content within a field.

**Important:** If weeds escape in fields treated with these tank-mix combinations, post-emergence application of a registered herbicide will be needed for control.

Refer to the "USE INFORMATION" section of this label for mixing and application directions.

**Weeds Controlled:**

<b>Annual Broadleaves</b>		
Anoda, Spurred	Kochia	Sesbania
Beggarweed, Florida	Lambsquarters	Shepherdspurse
Carpetweed	Mallow, Venice	Sida, Prickly/ Teaweed
Cocklebur	Mustard, Wild	Smartweeds
Copperleaf,	Pigweeds	Starbur, Bristly
Hophornbeam	Purslane	Thistle, Russian
Galinsoga	Pusley, Florida	Velvetleaf
Jimsonweed	Ragweed, Common	
Knotweed	Redweed	
<b>Annual Grasses</b>		
Barnyardgrass	Johnsongrass	Sandbur
Bluegrass	(Seedling)	Signalgrass,
Crabgrass	Junglerice	Broadleaf
Crowfootgrass	Millet, Browntop	Sprangletop
Foxtails	Panicum, Fall	Stinkgrass
Goosegrass	Panicum, Texas	

**Use Precautions:**

For additional precautions, restrictions, limitations and sprayer cleanup information, refer to the appropriate sections of the labels for THIS PRODUCT and Canopy 75 DF.

**Use Restriction:**

Do not use treated vines for feed or forage.

**THIS PRODUCT PLUS CLOMAZONE (e.g., COMMAND 4EC) PLUS A GRASS HERBICIDE**

THIS PRODUCT may be applied with Clomazone (e.g., Command 4EC) and a grass herbicide (e.g., Me-Too-Lachlor, Dual Magnum, PIN-DEE 3.3EC, Sonalan, Trifluralin 4EC or Treflan) for the control of certain broadleaf weeds and grasses in Soybeans. This combination will provide improved control of heavy infestations of Common ragweed, Jimsonweed and Velvetleaf. THIS PRODUCT and Clomazone (e.g., Command 4EC) plus a grass herbicide may be applied pre-plant incorporated broadcast. Consult the tank-mix partner's labels for specific use directions, precautions, restrictions and additional weeds controlled not specified on this label.

**Mixing:** Refer to the "USE INFORMATION" section in the front of this label.

**Application:** For specific application information, refer to the "USE INFORMATION" section in the front of this label.

<b>THIS PRODUCT plus Clomazone (e.g., Command 4EC) plus a Grass Herbicide BROADCAST RATES</b>			
<b>Product</b>	<b>Soil Texture*</b>		
	<b>Coarse</b>	<b>Medium</b>	<b>Fine</b>
THIS PRODUCT (Pt./Ac.)	0.5	0.5 to 0.75**	0.75 to 1**
Command 4EC***	0.5 to 0.75	0.5 to 0.75	0.5 to 0.75
Me-Too-Lachlor / Dual (Pt./Ac.)	0.8 to 1	1 to 1.3	1.3 to 1.7
PIN-DEE 3.3 EC / Prowl 3.3 EC (Pt./Ac.)	1.5	1.5 to 2	1.5 to 2.5
Sonalan (Pt./Ac.)	1.25 to 2	1.75 to 2.5	2.25 to 3
Trifluralin 4EC/ Treflan (Pt./Ac.)	1	1.5	2

\* Refer to the "SOIL TEXTURE" section on this label for specific soil classification. On Coarse textured soils with a calcareous surface area or a pH of 7.5 or higher, do not use on Loamy sand or Sandy loam soils with less than 1% organic matter.  
 \*\* Use the higher rate of THIS PRODUCT to control Hemp sesbania and Sicklepod. Use the lower rate of THIS PRODUCT in the pre-plant incorporated tank-mix on soils having a calcareous surface area or a pH of 7.5 or higher and in those situations where soils within a field vary extremely in texture or organic matter content.  
 \*\*\* Use the higher specified rate under moderate to heavy weed infestations.



**Weeds Controlled:**

Annual Broadleaves		
Anoda, Spurred Beggarweed, Florida Carpetweed Copperleaf, Hophornbeam Galinsoga Jimsonweed Knotweed Kochia	Lambsquarters Mallow, Venice Mustard, Wild Pigweeds Purslane Pusley, Florida Ragweed, Common Redweed Sesbania	Shepherdspurse Sicklepod Sida Prickly/ Teaweed Smartweeds Spurge, Spotted Starbur, Bristly Thistle, Russian Velvetleaf
Annual Grasses		
Barnyardgrass Bluegrass Crabgrass Crowfootgrass Foxtails	Goosegrass Johnsongrass (Seedling) Millet, Browntop Panicum, Fall	Signalgrass, Broadleaf Witchgrass

**Weeds Suppressed:**

THIS PRODUCT and Clomazone (e.g., Command 4EC) plus Sonalan, Me-Too-Lachlor, Dual Magnum, PIN-DEE 3.3EC or Prowl 3.3 EC, Trifluralin 4EC or Treflan will provide suppression (reduce the competition) of Cocklebur and Sunflower.

**THIS PRODUCT PLUS IMAZAQUIN (e.g., SCEPTER®) PLUS A GRASS HERBICIDE**

THIS PRODUCT may be applied with Imazaquin (e.g., Scepter) and a grass herbicide (e.g., Sonalan, Me-Too-Lachlor, Dual Magnum, PIN-DEE 3.3EC, Prowl 3.3 EC, Trifluralin 4EC or Treflan for the control of certain broadleaf weeds and grasses in Soybeans. THIS PRODUCT and Imazaquin (e.g., Scepter) plus Sonalan, Trifluralin 4EC or Treflan may be applied pre-plant incorporated broadcast. THIS PRODUCT and Imazaquin (e.g., Scepter) plus Me-Too-Lachlor, Dual Magnum, PIN-DEE 3.3 EC or Prowl 3.3 EC may be applied pre-plant incorporated, pre-emergence broadcast or in a band application.

**Mixing:** Refer to the "USE INFORMATION" section in the front of this label.

**Application:** For specific application information, refer to the "USE INFORMATION" section in the front of this label.

THIS PRODUCT plus Imazaquin (e.g., Scepter) plus a Grass Herbicide BROADCAST RATES			
Product	Soil Texture*		
	Coarse	Medium	Fine
THIS PRODUCT (Pt./Ac.)	0.5	0.5 to 0.75**	0.75 to 1**
Scepter (1.5 Lbs./Gal. liquid***) (Pt./Ac.)	0.3 to 0.5 - OR -	0.3 to 0.5 - OR -	0.3 to 0.5 - OR -
Scepter 70 DG*** (Oz./Ac.)	1.4 to 2.1	1.4 to 2.1	1.4 to 2.1
Me-Too-Lachlor/Dual Magnum (Pt./Ac.)	0.8 to 1	1 to 1.3	1.3 to 1.7
PIN-DEE 3.3 EC/ Prowl 3.3 EC (Pt./Ac.)	1.5	1.5 to 2	1.5 to 2.5
Sonalan (Pt./Ac.)	1.25 to 2	1.75 to 2.5	2.25 to 3
Trifluralin 4EC/ Treflan (Pt./Ac.)	1	1.5	2

\* Refer to "SOIL TEXTURE" section of this label for specific soil classification. On Coarse textured soils with a calcareous surface area or a pH of 7.5 or higher, do not use on Loamy sand or Sandy loam soils with less than 1% organic matter.

\*\* Use the higher rate of THIS PRODUCT for pre-emergence tank-mix application and for the control of Hemp sesbania and Sicklepod. Use the lower rate of THIS PRODUCT in the pre-plant incorporated tank-mix on soils having a calcareous surface area or a pH of 7.5 or higher, and in those situations where soils within a field vary extremely in texture or organic matter content.

\*\*\* Use the higher specified rate under moderate to heavy weed infestations.

**Weeds Controlled:** THIS PRODUCT plus Imazaquin (e.g., Scepter) plus Sonalan, Me-Too-Lachlor, Dual Magnum, PIN-DEE 3.3EC, Prowl 3.3 EC, Trifluralin 4EC or Treflan will control the following broadleaf weeds and grasses:

Annual Broadleaves		
Anoda, Spurred Beggarweed, Florida Buffalobur Carpetweed Cocklebur Copperleaf, Hophornbeam Galinsoga Jimsonweed Knotweed Kochia	Lambsquarters Mallow, Venice Morningglory, Pitted Morningglory, Smallflower Mustard, Wild Pigweeds Sida, Prickly/ Teaweed Purslane Pusley, Florida	Ragweed, Common Senna, Coffee Sesbania Shepherdspurse Sicklepod Smartweeds Spurge, Spotted Starbur, Bristly Sunflower Thistle, Russian Velvetleaf
Annual Grasses		
Barnyardgrass Bluegrass Crabgrass Crowfootgrass Foxtails	Goosegrass Johnsongrass, (Seedling) Millet, Browntop Panicum, Fall	Signalgrass, Broadleaf Witchgrass

**Weeds Suppressed:**

THIS PRODUCT and Imazaquin (e.g., Scepter) plus Me-Too-Lachlor, Dual Magnum, PIN-DEE 3.3EC, Prowl 3.3 EC, Sonalan, Trifluralin 4EC or Treflan will suppress (reduce the competition of) Ivy leaf, all Morningglory and Red rice.

**THIS PRODUCT PLUS IMAZETHAPYR (e.g., PURSUIT)****PLUS A GRASS HERBICIDE**

THIS PRODUCT may be tank-mixed with Imazethapyr (e.g., Pursuit) herbicide and a registered grass herbicide (e.g., Me-Too-Lachlor, Dual Magnum, PIN-DEE 3.3EC, Prowl 3.3 EC, Sonalan, Trifluralin 4EC or Treflan) for control of certain broadleaf and grass weeds in Soybeans.

Refer to the tank-mix partner's labels for additional use directions, precautions, restrictions and limitations not included on this label.

Tank-mix combinations of THIS PRODUCT, Pursuit and Me-Too-Lachlor, Dual Magnum, PIN-DEE 3.3EC or Prowl 3.3 EC can be applied broadcast pre-emergence or pre-plant incorporated. When the grass herbicide used is Sonalan, Trifluralin 4EC or Treflan apply the tank-mix broadcast pre-plant incorporated.

**Mixing and Application:** Refer to the "USE INFORMATION" section of this label for directions on mixing and application of THIS PRODUCT.

THIS PRODUCT plus Imazethapyr (e.g., Pursuit) plus a Grass Herbicide* BROADCAST RATES		
Soil Texture	THIS PRODUCT (Pt./Ac.)	Pursuit (Fl. Ozs./Ac.)
Coarse	0.5	4
Medium	0.6 to 0.75	4
Fine	0.75 to 1	4

\* To control grass weeds, include Me-Too-Lachlor, Dual Magnum, PIN-DEE 3.3EC, Prowl 3.3 EC, Sonalan, Trifluralin 4EC or Treflan at label rates in the tank-mix with THIS PRODUCT and Pursuit herbicides.

**Use Restrictions:**

- Do not apply this tank-mix with aerial or irrigation equipment.
- Do not apply when weather conditions favor drift or allow sprays to drift onto adjacent desirable plants.
- Do not use treated vines for feed or forage.

**THIS PRODUCT plus IMAZETHAPYR + PENDIMETHALIN (e.g., PURSUIT PLUS)**

THIS PRODUCT may be tank-mixed with Imazethapyr + Pendimethalin (e.g., Pursuit Plus) for broadcast pre-emergence or pre-plant incorporated application to Soybeans for control of certain broadleaf and grass weeds.

Refer to the tank-mix partner's label for additional use directions, restrictions and limitations not included on this label.

**Mixing and Application:** Refer to the "USE INFORMATION" section of this label for directions on mixing and application of THIS PRODUCT.

THIS PRODUCT plus Imazethapyr + Pendimethalin (e.g., Pursuit Plus) BROADCAST RATES		
Soil Texture	THIS PRODUCT (Pt./Ac.)	Pursuit Plus (Pt./Ac.)
COARSE	0.5	2.5
MEDIUM	0.6 to 0.75	2.5
FINE	0.75 to 1	2.5

#### Use Restrictions:

- Do not apply this tank-mix with aerial or irrigation equipment.
- Do not apply when weather conditions favor drift or allow sprays to drift onto desirable plants.
- Do not use treated vines for feed or forage.

#### THIS PRODUCT PLUS LINURON (e.g., LINURON 50DF or 4L) PLUS METOLACHLOR (e.g., ME-TOO-LACHLOR) or S-METOLACHLOR (e.g., DUAL MAGNUM)

**THIS PRODUCT plus Linuron (e.g., Linuron 50DF or 4L) plus Metolachlor (e.g., Me-Too-Lachlor) or S-Metolachlor (e.g., Dual Magnum) Tank-mix Application:** THIS PRODUCT may be applied in combination with Linuron (e.g., Linuron 50 DF or 4L) and Metolachlor or S-Metolachlor (e.g., Me-Too-Lachlor or Dual Magnum) as a pre-emergence application for the control of certain weeds in Soybeans. Consult the tank-mix partner's labels for specific use directions, restrictions and limitations and any additional weeds not included on this label.

**Mixing:** Refer to the "USE INFORMATION" section in the front of this label.

**Application:** Applications can be made only with ground spray equipment in accordance with specified soil types and dosage rates. For specific application information, refer to the "USE INFORMATION" section in the front of this label.

THIS PRODUCT plus Linuron (e.g., Linuron 50 DF or 4L) plus Metolachlor (e.g., Me-Too-Lachlor) or S-Metolachlor (e.g., Dual Magnum) BROADCAST RATES (0.5 to 3% Organic Matter Only)			
Product	Soil Texture		
	COARSE* (Sandy, Loamy sand, Sandy loam)	MEDIUM (Loam, Silt loam, Silt, Sandy clay, Sandy clay loam)	FINE (Silty clay, Silty clay loam**, Clay, Clay loam)
THIS PRODUCT (Pt./ Ac.)	0.25 to 0.37	0.37 to 0.5	0.5 to 0.75
Linuron 50 DF (Lb. / Ac.) or Linuron 4L (Pt. / Ac.)	0.3 to 0.5	0.5 to 0.75	0.75 to 1.5
Me-Too-Lachlor / Dual Magnum (Pt. / Ac.)	0.7 to 0.8	0.8 to 1	1 to 1.3
* Do not use THIS PRODUCT plus Linuron plus (Me-Too-Lachlor or Dual Magnum) on Sand soils with less than 1% organic matter. ** Silty clay loam soils are transitional soils and may be classified as Medium textured soils in some regions of the U.S.			

#### FOR USE IN COARSE (LIGHT) SOILS in Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee, Texas and Virginia

THIS PRODUCT may be used alone or in combination with Metolachlor or S-Metolachlor (e.g., Me-Too-Lachlor or Dual Magnum), Trifluralin (e.g., Trifluralin 4EC, Treflan) for use in *Coarse textured*, low organic matter soils in the states listed above for the control of certain weeds in Soybeans.

Refer to the appropriate sections of this label and the tank-mix partner's label for specific use directions, precautions, restrictions and limitations and any additional weeds not specified on this label.

**Mixing:** Refer to the "USE INFORMATION" section in the front of this label.

**Application:** For specific application information, refer to the "USE INFORMATION" section in the front of this label.

THIS PRODUCT (Alone) Pre-emergence Application BROADCAST RATES		
Soil Texture	Organic Matter	THIS PRODUCT (Pt. /Ac.)
<b>Coarse (Light) Soils:</b> Sand*, Loamy sandy, Sandy Loam	≥ 0.5%	0.5 to 0.75**
* Not for use on Sand with less than 1% organic matter. ** Use the higher specified rate under heavy weed pressures and/or on soils higher in organic matter.		

**THIS PRODUCT in Combination with Other Herbicides:** THIS PRODUCT may be used in a tank-mix combination with Trifluralin (e.g., Trifluralin 4EC, Treflan) as a pre-plant incorporated application or as a pre-emergence overlay application following a pre-plant incorporated application of Trifluralin (e.g., Trifluralin 4EC, Treflan). THIS PRODUCT may also be used as a pre-emergence application in combination with Metolachlor or S-Metolachlor (e.g., Me-Too-Lachlor or Dual Magnum).

THIS PRODUCT plus Other Herbicides in Coarse (Light) Soils ( ≥ 0.5% Organic Matter) BROADCAST RATES			
Soil Texture	Combination Product / Ac.	+	THIS PRODUCT (Pt./Ac.)
<b>Coarse (Light) Soils:</b> Sand*, Loamy sand, Sandy loam	<b>Pre-plant Incorporated</b> Trifluralin 4EC or Treflan 4EC: 1 pt.	+	0.5 to 0.75**
	<b>Pre-emergence</b> Me-Too-Lachlor or Dual Magnum: 0.8 to 1 pt.	+	0.5 to 0.75**
* Not for use on Sand with less than 1% organic matter. ** Use the higher rate under heavy weed pressures and/or on soils higher in organic matter.			

#### Use Restriction:

Do not use on *Sand soils* with less than 1% organic matter or on *Sandy loam* or *Loamy sand soils* with less than 0.5% organic matter.

#### SEQUENTIAL APPLICATION OF IMAZAQUIN (e.g., SCEPTER) FOLLOWING APPLICATION OF THIS PRODUCT

If needed, application of THIS PRODUCT alone or in a tank-mix according to directions on this label may be followed by an early post-emergence application of Imazaquin (e.g., Scepter) (1.5 lbs./gal. liquid or 70 DG) for control of Cocklebur. Apply 2.6 to 5.3 fluid ounces of Scepter (0.7 to 1.4 ozs. of Scepter 70 DG) in a minimum of 20 gallons of water per acre. Use 2.6 fluid ounces of Scepter (0.7 oz. of Scepter 70 DG) if Cockleburs are less than 3 inches tall or have fewer than 3 leaves and are actively growing. For Cockleburs less than 6 inches tall and actively growing, use 5.3 fluid ounces of Scepter (1.4 ozs. of Scepter 70 DG) per acre. Do not use Scepter when Soybeans or Cockleburs have been subjected to stress conditions such as temperature or moisture extremes. Do not exceed a total of 10.6 fluid ounces of Scepter (2.8 ozs. of Scepter 70 DG) per acre in one season. Wait at least 10 days after application of Scepter before cultivating.

When preparing the spray mixture with Scepter, add 2 pints of non-ionic surfactant approved for use on growing crops and containing at least 80% active ingredient (i.e., Surf-Ac 820) per 100 gallons of mixture. Apply Crop Oil Concentrate (COC) (e.g., Peptoil) at the rate specified on the Crop Oil Concentrate (COC) (e.g., Peptoil) label.

Use Imazaquin (e.g., Scepter) only in the states where it is registered as listed on the product label.

Apply Imazaquin (e.g., Scepter) at least 90 days before harvest of Soybeans. Do not graze or feed Soybean forage, hay or straw to livestock.

Refer to the Imazaquin (e.g., Scepter) label for additional precautions, directions, limitations and information on environmental hazards and planting of rotational crops.

#### SOYBEANS - BURNDOWN WEED CONTROL

THIS PRODUCT can be used as part of a herbicide program for burndown of existing vegetation prior to crop emergence in conservation tillage systems. THIS PRODUCT may be tank-mixed with 2,4-D low volatile ester (e.g., De-Ester LV4), Paraquat (e.g., Quik-Quat, Gramoxone) or Glyphosate (e.g., Imitator, Roundup) for control of emerged weeds prior to Soybean emergence. Tank-mixes

of THIS PRODUCT with 2,4-DB (2,4-DB DMA 175), Fenoxaprop + Fluazifop (e.g., Fusion), Sethoxydim (e.g., Poast Plus) or Clethodim (e.g., Select) may also be used in Soybeans for control of emerged weeds prior to crop emergence. Burndown tank-mixes of THIS PRODUCT can be applied before planting or prior to crop emergence in the following areas:

#### Soybeans:

All areas for all products except Fusion tank-mixes - see "Fusion" tank-mixes of this label for allowed states.

#### Application:

THIS PRODUCT may be applied up to 30 days prior to planting or pre-emergence. Apply only by ground equipment when THIS PRODUCT is used for burndown of existing vegetation in conservation tillage systems. THIS PRODUCT and tank-mix partner burndown rates are listed in the following three tables.

SOYBEANS - BURNDOWN RATES OF THIS PRODUCT	
APPLICATION TIMING	THIS PRODUCT (Fl. Oz./Ac.)
Pre-plant (0 to 30 days)	3 to 8
Pre-emergence	

SOYBEANS - THIS PRODUCT PLUS TANK-MIX PARTNER BURNDOWN RATES		
PRODUCT	Rate/Ac.	USE DIRECTIONS AND REMARKS
THIS PRODUCT + 2,4-DB	3 to 8 fl. ozs. + 0.125 to 0.218 lb. a.i.	Apply pre-plant or before Soybean emergence. Include non-ionic surfactant (e.g., Surf-Ac 820) at 2 qts./100 gals. (0.5% v/v) of spray solution.
THIS PRODUCT + 2,4-D LVE	3 to 8 fl. ozs. + 0.25 to 1 lb. a.i.	Apply at least 7 days pre-plant when using 2,4-D LVE at 0.25 to 0.5 lb. a.i./Ac. and at least 30 days pre-plant with rates greater than 0.5 lb. a.i./Ac. Include Crop Oil Concentrate (COC) (e.g., Peptoil) at the rate of 1 gal./100 gals. of spray solution (1% v/v).
THIS PRODUCT + Fusion + 2,4-D LVE	3 to 8 fl. ozs. + 4 to 8 fl. ozs. + 0.25 to 1 lb. a.i.	For use <b>only</b> in Delaware, Illinois, Indiana, Iowa, Kansas, Kentucky, Maryland, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, Pennsylvania, South Dakota, Virginia, West Virginia and Wisconsin. For this tank-mix, follow the planting restrictions under the above "USE DIRECTIONS AND REMARKS" for "THIS PRODUCT + 2,4-D LVE". Fusion rates of 4, 6 and 8 fl. ozs. will control certain grasses up to 2, 4 and 6 inches in height, respectively. Include either Crop Oil Concentrate (COC) (Peptoil) at 1 gal./100 gals. (1.0% v/v) or non-ionic surfactant (e.g., Surf-Ac 820) at 1 to 2 qts./100 gals. (0.25 to 0.5% v/v) of spray solution. Refer to the Fusion label for additional information.
THIS PRODUCT + Poast Plus + 2,4-D LVE	3 to 8 fl. ozs. + 8 to 12 fl. ozs. + 0.25 to 1 lb. a.i.	For this tank-mix, follow the planting restrictions under the "USE DIRECTIONS AND REMARKS" for "THIS PRODUCT + 2,4-D LVE". The 8 and 12 fl. ozs. rate of Poast Plus will control certain grasses up to 2 and 3 inches in height, respectively. Include either Crop Oil Concentrate (COC) (e.g., Peptoil) at the rate of 1 gal./100 gals. of spray solution (1% v/v) or non-ionic surfactant (e.g., Surf-Ac 820) at 1 pt./Ac. Refer to the Poast Plus label for additional information.

(Continued)

SOYBEANS - THIS PRODUCT PLUS TANK-MIX PARTNER BURNDOWN RATES (Cont.)		
PRODUCT	Rate/Ac.	USE DIRECTIONS AND REMARKS
THIS PRODUCT + Select + 2,4-D LVE	3 to 8 fl. ozs. + 3 to 4 fl. ozs. + 0.25 to 1 lb. a.i.	For this tank-mix, follow the planting restrictions under the above "USE DIRECTIONS AND REMARKS" for "THIS PRODUCT + 2,4-D LVE". The 3 and 4 fl. ozs. rates of Select will control certain grasses up to 3 and 4 inches in height, respectively. Include Crop Oil Concentrate (COC) (e.g., Peptoil) at the rate of 1 qt./Ac. and 28% Urea Ammonium Nitrate (UAN) at a rate of 1 to 2 qts./Ac. Refer to the Select label for additional information.
THIS PRODUCT + Quik-Quat or Gramoxone	3 to 8 fl. ozs. + 21 to 42 fl. ozs. or 32 to 64 fl. ozs.	Must be applied prior to crop emergence. See Quik-Quat or Gramoxone label for amount to use in relation to weed height. Apply in 20 to 60 gals. of water per acre. Include either non-ionic surfactant (e.g., Surf-Ac 820) at 1 qt./100 gals. (0.25% v/v) or Crop Oil Concentrate (COC) (e.g., Peptoil) at 1 gal./100 gals. (1% v/v) of spray solution.
THIS PRODUCT + Quik-Quat or Gramoxone + 2,4-D LVE	3 to 8 fl. ozs. + 21 to 42 fl. ozs. or 32 to 64 fl. ozs. + 0.25 to 1 lb. a.i.	For this tank-mix, follow the "USE DIRECTIONS AND REMARKS" above for "THIS PRODUCT + 2,4-D LVE" and "THIS PRODUCT + Quik-Quat or Gramoxone" paying special attention to crop planting restrictions with 2,4-D LVE. Include either non-ionic surfactant (e.g., Surf-Ac 820) or Crop Oil Concentrate (COC) (e.g., Peptoil) in this tank-mix.
THIS PRODUCT + Imitator / Roundup or Touchdown	3 to 8 fl. ozs. + 12 to 24 fl. ozs. or 8 to 16 fl. ozs.	Must be applied prior to crop emergence. Use the higher rates as weeds approach the maximum weed heights listed in the "Weeds Controlled" section below. Apply in 10 to 20 gallons of water per acre. With Imitator, Roundup or Touchdown, include non-ionic surfactant (e.g., Surf-Ac 820) at 2 qts./100 gals. (0.5% v/v) and ammonium sulfate (spray grade) at 17 lbs./100 gals. of spray solution. Any Glyphosate formulation registered and labeled for use in Soybeans may be tank-mixed with THIS PRODUCT.
THIS PRODUCT + Imitator/ Roundup or Touchdown + 2,4-D LVE	3 to 8 fl. ozs. + 12 to 24 fl. ozs. or 8 to 16 fl. ozs. + 0.25 to 1 lb. a.i.	For this tank-mix, follow the "USE DIRECTIONS AND REMARKS" above for "THIS PRODUCT + 2,4-D LVE" and "THIS PRODUCT + Imitator/Roundup or Touchdown", paying special attention to planting restrictions with 2,4-D LVE. Use the adjuvant directions under the "THIS PRODUCT + Imitator/ Roundup or Touchdown" tank-mix. Do not use Crop Oil Concentrate (COC).

#### Use Precautions:

- Observe all precautions and limitations on the labeling of all products used in tank-mixtures. Refer to the "USE INFORMATION" section of this label for additional information, precautions and limitations.
- Apply only 2,4-D LVE (e.g., De-Ester LV4) formulations which are registered and labeled for pre-plant or burndown use in Soybeans.

**Use Restrictions:**

- Do not apply the above treatments after crop emergence.
- Do not apply tank-mixtures containing 2,4-D LVE if wind is blowing toward desired susceptible plants (i.e., Cotton, Tobacco, Tomato, etc.) or when wind speeds exceed 6 miles per hour.

**Feeding Restrictions:** Soybean vines or hay treated with THIS PRODUCT may be grazed or fed to livestock 40 days after application. Do not feed hay, forage, fodder or graze 2,4-D, Select or Fusion treated vegetation. Follow the most restrictive pre-harvest interval of all products used in a tank-mixture.

**Weeds Controlled:**

THIS PRODUCT in tank-mixtures with the above herbicides will provide burndown control of the weeds listed below.

WEEDS CONTROLLED BY BURNDOWN RATES OF THIS PRODUCT									
Weeds Controlled	THIS PRODUCT +								
	De-Ester LV4	Poast Plus + De-Ester LV4	Select + De-Ester LV4	Fusion + De-Ester LV4	Imitator, Roundup or Touchdown	Imitator, Roundup or Touchdown + De-Ester LV4	Quik-Quat or Gramoxone	Quik-Quat or Gramoxone + De-Ester LV4	2,4-DB DMA 175
ANNUAL GRASSES									
MAXIMUM BURNDOWN HEIGHT (INCHES)									
Barley	Does not control these species	-	-	-	8	4 to 6	Does not control these species		
Barnyardgrass		2 to 3	3 to 4	-	6	4 to 6			
Crabgrass, spp.		2 to 3	-	-	6	4 to 6			
Foxtail, spp.		2 to 3	3 to 4	2 to 6	8	4 to 6			
Johnsongrass, Seedling		2 to 3	-	-	8	4 to 6			
Panicum, Fall		2 to 3	3	2 to 6	6	4 to 6			
Sandbur, Field		-	-	-	8	4 to 6			
Shattercane		2 to 3	-	-	8	4 to 6			
Wheat, Volunteer		-	-	-	6	4 to 6			
Witchgrass		2 to 3	-	-	6	4 to 6			
BROADLEAVES									
MAXIMUM BURNDOWN HEIGHT (INCHES)									
Buffalobur	-				6	6	4 to 6	4 to 6	-
Chickweed, Common	6				6	8	4 to 6	4 to 6	2
Cocklebur, Common	6				6	8	4 to 6	4 to 6	6
Dandelion, Common	6 dia <sup>a</sup>				2 dia <sup>b</sup>	6 dia <sup>a</sup>	4 dia <sup>d</sup>	6 dia <sup>a</sup>	2 dia
Henbit	4				4	4	4 to 6	4 to 6	-
Jimsonweed	6				6	6	4 to 6	4 to 6	2
Kochia*	4 <sup>a,c</sup>				4	4	4	4	-
Ladysthumb	6				6	8	4 to 6	4 to 6	3
Lambsquarters, Common	6				6	8	4 to 6	4 to 6	2
Lettuce, Prickly	6				4	6	4 to 6	4 to 6	2
Mallow, Venice	6				6	6	4 to 6	4 to 6	-
Marestail/Horseweed	6 <sup>a,c</sup>				4 <sup>b</sup>	6	3	6 <sup>a</sup>	2 <sup>c</sup>
Morningglory, spp.	6				2	4	2	4	4
Mustard, spp.	6				6	8	4 to 6	4 to 6	2
Pennycress, Field	6				6	6	4 to 6	4 to 6	2
Pigweed, spp. (Annual)	6				6	8	4 to 6	4 to 6	3
Ragweed, Common	6				6 <sup>b</sup>	8	4 to 6	4 to 6	2
Ragweed, Giant	6 <sup>a,c</sup>				4 <sup>b</sup>	6	4	6	2
Shepherdspurse	6				6	6	4 to 6	4 to 6	-
Sida, Prickly	6				4	4	4	4	1
Smartweed, Pennsylvania	6				6	8	4 to 6	4 to 6	3
Sunflower, Common	6				6	6	4 to 6	4 to 6	4
Thistle, Russian	4 <sup>a,c</sup>				2 to 4 <sup>b,c</sup>	6	4	4 to 6	3 <sup>c</sup>
Velvetleaf	6				6	8	4 to 6	4 to 6	3
Waterhemp, spp.	6				6	8	4 to 6	4 to 6	3
<sup>a</sup> Use 2,4-D LVE at 0.5 lb. a.i./Ac									
<sup>b</sup> Use a minimum Imitator or Roundup rate of 16 fl. oz./Ac. and a minimum Touchdown rate of 10.6 fl. oz./Ac.									
<sup>c</sup> Use THIS PRODUCT at 6 fl. oz./Ac. for optimum control.									
<sup>d</sup> Suppression only.									
*Does not control Triazine resistant biotypes.									



## RESIDUAL WEED CONTROL

Burndown programs with THIS PRODUCT can be used as part of a full season weed control program in Soybeans when: 1) applied as a tank-mixture with residual herbicides or 2) followed with a post-emergence weed control program, which is registered for use on that crop.

For residual control, burndown programs with THIS PRODUCT may include tank-mixes with the following herbicides or combination of herbicides:

SOYBEANS		
Clorimuron (e.g., Canopy)	Imazethapyr + Pendimethalin (e.g., Pursuit Plus)	Linuron (e.g., Lorox)
Clomazone (e.g., Command)	Imazaquin (e.g., Scepter)	Metolachlor (e.g., Me-Too-Lachlor)
Dimethenamid (e.g., Outlook)	Imazaquin + Pendimethalin (e.g., Squadron)	Pendimethalin (e.g., PIN-DEE 3.3 EC, Prowl 3.3 EC)
Imazethapyr (e.g., Pursuit)		S-Metolachlor (e.g., Dual Magnum)

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank-mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank-mixture.

## SOUTHERN AND SOUTHEASTERN STATES ONLY - POST-EMERGENCE DIRECTED SPRAY APPLICATIONS

THIS PRODUCT can be applied in post-emergence directed sprays to Soybeans for control of certain weeds which escape pre-plant or pre-emergence herbicide applications and for control of additional flushes of weeds that may occur after Soybeans have emerged. Post-emergence directed sprays of THIS PRODUCT can be applied to Soybeans in addition to a pre-emergence or pre-plant application of THIS PRODUCT herbicide according to label directions.

### Application:

POST-EMERGENCE DIRECTED SPRAY APPLICATIONS	
Crop	THIS PRODUCT (Pt./Ac.)
Soybeans (Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee and Texas)	0.5 to 1 (Broadcast Basis)
<p>Apply proper dosage using 10 to 40 gals. of water per acre as a directed spray in a 6 to 8 inch band on each side of the row after Soybeans are 8 inches tall and before broadleaf weeds are 3 inches tall and before grasses and Common ragweed are 1 inch tall. For best results, the spray must cover weed foliage with minimum or no contact with Soybean foliage. Add a non-ionic surfactant (e.g., Surf-Ac 820) to the spray mixture to obtain better wetting of weed leaf surfaces. To determine the correct dosage of THIS PRODUCT for a band application, see "BANDED APPLICATION" under the "USE INFORMATION" section in the front of this label.</p> <p>If necessary, a second post-emergence directed spray application can be made after 7 days.</p> <p>Do not feed or graze green Soybean vines. Do not harvest Soybeans or use dry Soybean vines for feed or forage within 70 days of last application.</p>	

### Weeds Controlled:

THIS PRODUCT applied post-emergence to Soybeans as a directed spray according to directions on this label, will control the following weeds at rates shown (broadcast basis) when grasses and Common ragweed are less than 1 inch tall and other broadleaves are less than 3 inches tall:

0.5 Pt./Ac.*		
Beggarweed, Florida ( <i>Desmodium tortuosum</i> )	Dayflower ( <i>Commelina</i> spp.)	Purslane ( <i>Portulaca oleracea</i> )
Carpetweed ( <i>Mollugo verticillata</i> )	Mexicanweed ( <i>Caperonia castaniifolia</i> )	Sicklepod ( <i>Cassia obtusifolia</i> )
Cocklebur ( <i>Xanthium pensylvanicum</i> )	Pigweeds ( <i>Amaranthus</i> spp.)	Velvetleaf ( <i>Abutilon theophrasti</i> )
Crabgrass ( <i>Digitaria</i> spp.)		
0.5 to 1 Pt./Ac.		
Sesbania ( <i>Sesbania</i> spp.)	Sida, Prickly/ Teaweed ( <i>Sida spinosa</i> )	-
1 Pt./Ac.		
Ragweed, Common ( <i>Ambrosia artemisiifolia</i> )	-	-
<p>*At the rate of 0.5 pt./Ac., Florida pusley (<i>Richardia scabra</i>), Horsenettle, (<i>Solanum</i> spp.), Morningglory species (<i>Ipomoea</i> spp.), Spotted spurge (<i>Euphorbia maculata</i>) and Wild poinsettia (<i>Euphorbia heterophylla</i>) are suppressed when THIS PRODUCT is applied before these weeds are 3 inches tall. The 0.6 lb./Ac. rate will suppress Broadleaf signalgrass (<i>Brachiaria platyphylla</i>) up to 1 inch tall.</p>		

### Use Precautions:

To avoid injury to other crops or desirable plants from spray drift, sprayer pressure must not exceed 30 psi and the sprayer must be fitted with nozzles no smaller than 8002 T-Jet (or equivalent).

### Use Restrictions:

- Do not apply under weather conditions which favor drift.
- Do not apply directly to Soybeans or serious crop injury will occur.
- Do not allow spray to contact more than the lower one-fourth to one-third of Soybean plants. Soybean leaves contacted by the spray will be killed.
- Do not apply THIS PRODUCT post-emergence to sensitive Soybean varieties.

## SUGARCANE

For aerial and chemigation application methods on Sugarcane, the maximum application rate is 4 pints of THIS PRODUCT per acre. To assure that spray will not adversely affect adjacent sensitive non-target plants, apply THIS PRODUCT by aircraft at a minimum upwind distance of 400 feet from sensitive plants. Do not rotate any crop not listed on this label for 18 months following application.

### Sugarcane - Florida Only

Post-emergence over-the-top or directed spray applications of THIS PRODUCT may be used for weed control in Sugarcane in Florida.

### Application:

SUGARCANE APPLICATION DIRECTIONS - FLORIDA ONLY	
THIS PRODUCT (Pts. / Ac.)	Use Instructions
2 to 4	<p><b>Ground Application:</b> THIS PRODUCT may be used in one or two applications with a minimum of 14 days between each application. Apply when weeds are less than 6 inches tall in 10 to 40 gals. of spray mixture per acre.</p> <p><b>Post-emergence Broadcast or Band:</b> Apply over the top of stubble or plant cane while Sugarcane is less than 14 inches tall.</p> <p><b>Post-emergence Directed Spray:</b> Apply to Sugarcane that is a minimum of 14 inches tall and before row closing.</p>
2 to 3	<p><b>Aerial Application:</b> Apply when weeds are less than 4 inches tall in 5 to 10 gals. of spray mixture per acre. Apply to stubble or plant cane while the Sugarcane is less than 14 inches tall.</p>

**Weeds Controlled:**

Broadleaves		
Amaranth, Spiny (seedling) ( <i>Amaranthus spinosus</i> )	Butterweed (Cressleaf groundsel) ( <i>Senecio glabellus</i> )	Cudweed ( <i>Gnaphalium</i> spp.) Purslane ( <i>Portulaca oleracea</i> )
Grasses		
Crabgrass, Large* ( <i>Digitaria sanguinalis</i> )	Goosegrass ( <i>Eleusine indica</i> )	Signalgrass, Broadleaf ( <i>Brachiaria platyphylla</i> )
Foxtail, Bristlegrass ( <i>Setaria magna</i> )	Panicum, Broadleaf ( <i>Panicum adspersum</i> )	
* Best control is achieved when applications are made when Crabgrass is less than 4 inches in diameter.		

**THIS PRODUCT Plus Atrazine Tank-Mix:** THIS PRODUCT may be used with Atrazine as a pre-emergence or post-emergence (before row closing) application to Sugarcane. Rates for THIS PRODUCT are 1.5 to 4 pints per acre and Atrazine 4L are 2 to 4 quarts per acre. For additional information on precautions, instructions, limitations, application and weeds controlled, refer to this label and the Atrazine label.

**Use Precautions:**

- Spray contact with Sugarcane foliage may result in minor leaf margin chlorosis and/or necrosis.
- Avoid spray overlaps or variations in application speed that may result in insufficient or excessive rates of application.

**Use Restrictions:**

- Do not use more than 4 pints per acre of THIS PRODUCT in a single growing season.
- Do not use on *Sand soils*.
- Pre-Harvest Interval (PHI): Do not apply within 60 days of harvest.
- Do not use treated crop for feed or forage.

**Sugarcane - Hawaii Only**

THIS PRODUCT, a selective herbicide, is effective as a pre-emergence and an early post-emergence broadcast application for control of certain grass and broadleaf weeds. When applied as a spot treatment, it also provides excellent control of perennial grasses and broadleaves.

**Ground Application:** THIS PRODUCT should be mixed by filling the spray tank half full of clean water. Then add the specified amount of THIS PRODUCT to suit the total tank capacity and the rate of application per acre (preferably 25 to 35 gals. per acre). Complete filling the tank and maintain sufficient agitation during mixing and spraying to ensure a uniform spray mixture.

**Aerial Application:** Apply THIS PRODUCT using aerial spray equipment as a pre-emergence or post-emergence application to irrigated Sugarcane. Calibrate aerial spray equipment to apply the proper amount of THIS PRODUCT in 7 to 10 gallons of spray mixture per acre.

SUGARCANE BROADCAST APPLICATIONS – HAWAII ONLY	
THIS PRODUCT (Pts. / Ac.)	Use Instructions
4 to 8 (Non-irrigated)	<b>Pre-emergence (Irrigated and non-irrigated Sugarcane):</b> Apply specified dosage per acre as a broadcast spray to the soil surface. Applications should be made within two weeks after planting prior to cane emergence or shortly after emergence (spike stage). <b>OR</b> <b>Early post-emergence (Irrigated and non-irrigated Sugarcane):</b> Apply specified dosage per acre as a broadcast spray over the cane. Application may be delayed as long as 4 to 6 weeks after planting provided weeds are less than 3 inches in height.
8 to 12 (Irrigated)	
<i>(Continued)</i>	

**SUGARCANE BROADCAST APPLICATIONS – HAWAII ONLY (Cont.)**

THIS PRODUCT (Pts. / Ac.)	Use Instructions
4 to 8	<b>OR</b> <b>Post-emergence:</b> Apply specified dosage per acre as a broadcast spray to control weeds prior to "close in" time when cane shades out the weed growth.
5 to 10	<b>Spot Treatment:</b> Apply specified dosage in 30 to 50 gals. of finished spray per acre. Spot treatments may be used to control weeds in missed areas, corners of fields or areas of hard-to-control weeds.

**Weeds Controlled:**

THIS PRODUCT applied pre-emergence or post-emergence to the Sugarcane as a broadcast spray or spot treatment will effectively control the following weeds when less than 3 inches in height.

Weeds Controlled in Irrigated and Non-irrigated Sugarcane		
Broadleaves		
Amaranth, Spiny ( <i>Amaranthus spinosus</i> )	Fireweed ( <i>Erechtites hieracifolius</i> )	Spurge, Garden ( <i>Euphorbia hirta</i> )
Euphorbia, Wild ( <i>Euphorbia</i> spp.)	Flora's paintbrush ( <i>Emilia sonchifolia</i> )	Spurge, Graceful ( <i>Euphorbia glomerifera</i> )
Grasses		
Crabgrass ( <i>Digitaria</i> spp.)	Plushgrass ( <i>Chloris radiata</i> )	Wiregrass ( <i>Eleusine indica</i> )
Guineagrass ( <i>Panicum maximum</i> )	Ricegrass ( <i>Oryzopsis hymenoides</i> )	
Weeds Controlled in Irrigated Sugarcane Only		
Broadleaves		
Amaranth, Spleen ( <i>Amaranthus dubius</i> )	Hialoa ( <i>Waltheria americana</i> )	Purslane, Common ( <i>Portulaca oleracea</i> )
Haole Koa ( <i>Leucaena leucocephala</i> )	Hilahlila ( <i>Mimosa pudica</i> )	Rattlepod ( <i>Crotalaria spectabilis</i> )
Grasses		
Alexandergrass ( <i>Brachiaria plantaginea</i> )	Foxtail, Bristly ( <i>Setaria verticillata</i> )	-
Weeds Controlled in Non-irrigated Sugarcane Only		
Broadleaves		
Ageratum ( <i>Ageratum conyzoides</i> )	Richardia ( <i>Richardia brasiliensis</i> )	Tarweed ( <i>Cuphea carthagenesis</i> )

**Use Restrictions:**

- Do not apply more than 16 pints of THIS PRODUCT (8 lbs. a.i.) per acre per crop cycle regardless of the method of application.
- Pre-Harvest Interval (PHI): The last application may be made up to 17 months of harvest.
- Do not use treated foliage for feed or forage.

## Sugarcane - Louisiana and Texas Only

Pre-emergence and post-emergence applications of THIS PRODUCT with aerial or ground spray equipment may be used for weed control in Sugarcane in Louisiana and Texas.

SUGARCANE APPLICATION DIRECTIONS - LOUISIANA AND TEXAS ONLY	
THIS PRODUCT* (Pts./Ac.)	Use Instructions
3 to 6	<b>Broadcast:</b> Apply specified dosage per acre using 20 to 30 gals. of water with ground equipment or 5 gals. of water with aircraft spray equipment. Apply as a broadcast spray during the Fall after planting or to the stubble after harvest. Make a second application early in the Spring.
1.5 to 3	<b>Band:</b> Apply specified dosage in 10 to 20 gals. of water per acre in a 30 to 36 inch band over the row during the Fall after planting or to the stubble after harvest. Make a second application early in the Spring.
* Use the higher specified rate on heavy Clay soil and soil with a high percentage of organic matter. If necessary, a third application may be made in late Spring at lay-by.	

### Weeds Controlled:

Broadleaves		
Amaranth, Spiny ( <i>Amaranthus spinosus</i> ) Bindweed, Field ( <i>Convolvulus arvensis</i> ) Chickweed ( <i>Cerastium vulgatum</i> ) Henbit ( <i>Lamium amplexicaule</i> )	Lambsquarters, Common ( <i>Chenopodium album</i> ) Marestail/Horseweed ( <i>Conyza canadensis</i> ) Mustard, Wild ( <i>Brassica kaber</i> ) Pigweeds ( <i>Amaranthus</i> spp.)	Purslane ( <i>Portulaca oleracea</i> ) Rocket, London ( <i>Sisymbrium irio</i> ) Sowthistle ( <i>Sonchus</i> spp.)
Grasses		
Crabgrass ( <i>Digitaria</i> spp.) Foxtails ( <i>Setaria</i> spp.)	Johnsongrass, Seedling ( <i>Sorghum halepense</i> ) Oats, Winter ( <i>Avena</i> spp.)	Signalgrass, Broadleaf ( <i>Brachiaria platyphylla</i> )

### Use Restrictions:

- Pre-Harvest Interval (PHI): Do not apply within 60 days of harvest.
- Do not use treated foliage for feed or forage.

## TOMATOES

Apply THIS PRODUCT herbicide with ground equipment to seeded and transplanted Tomatoes as specified below.

Thorough spray coverage on weed foliage is essential for adequate control with post-emergence applications.

Do not use airblast or other high-pressure spray equipment to make post-emergence applications of THIS PRODUCT. Refer to the appropriate section of this label for additional information regarding spray equipment, dilution rates, mixing, sprayer cleanup, restrictions, container disposal and precautions.

For specific application information, see the "USE INFORMATION" section in the front of this label.

TOMATOES - BROADCAST APPLICATIONS	
THIS PRODUCT (Pts./Ac.)*	Use Instructions
0.5 to 1	<b>Pre-plant Incorporated (Transplant Tomatoes Only):</b> Apply specified dosage in 10 or more gals. of water per acre as a broadcast spray to the soil surface immediately before transplanting. Incorporate to a depth of 2 to 4 inches with equipment capable of uniformly mixing the chemical into the soil. This application may be made alone or in a tank-mix combination with Trifluralin (e.g., Trifluralin 4EC). When transplanting Tomatoes, place the root system of the plants below the herbicide incorporation zone or injury may occur. Refer to the Trifluralin label for specific rate of application and for additional precautions and restrictions for Tomatoes.
(Continued)	

TOMATOES - BROADCAST APPLICATIONS (Cont.)	
THIS PRODUCT (Pts./Ac.)*	Use Instructions
0.5 to 1	<b>Post-emergence Broadcast Spray (Established Tomatoes):</b> Apply specified dosage in 20 or more gals. of water per acre as a broadcast spray or apply in 0.25 to 0.75 inch of water (use 0.25 to 0.5 inch of water on Sandy soils) per acre as a continuous injection in center pivot and lateral move systems or apply in the last 15 to 30 minutes of set in permanent solid set sprinkler systems. One or more applications may be applied per use season. Allow at least 14 days between applications or severe crop injury may occur. For transplanted Tomatoes, do not apply until transplants have recovered from transplant shock and new growth is evident. Do not apply to Tomatoes within 24 hours of application of other pesticides. Do not tank-mix with other pesticides. (See "Use Precautions" below.)
1 to 2	<b>Post-emergence Directed Spray (Established Tomatoes):</b> Apply specified dosage in 20 or more gals. of water per acre as a directed spray. One or more applications may be applied per use season. Allow at least 14 days between applications or severe crop injury may occur. Avoid contacting Tomato foliage with spray. This method of treatment should be used for use in fields with a history of severe weed pressure or in fields infested with hard-to-control weeds. For transplanted Tomatoes, do not apply until transplants have recovered from transplant shock and new growth is evident. Do not apply to Tomatoes within 24 hours of application of other pesticides. (See "Use Precautions" below.) When banding, see the appropriate section in front of this label.
* Use the higher specified rate in fields with a history of severe weed pressure and for maximum residual weed control.	

### Weeds Controlled:

PRE-PLANT INCORPORATED APPLICATIONS TRANSPLANT TOMATOES ONLY		
Broadcast Sprays – 0.5 to 1 Pt./Ac. of THIS PRODUCT		
Broadleaves		
Galinsoga ( <i>Galinsoga</i> spp.) Lambsquarters, Common ( <i>Chenopodium album</i> )	Pigweed, Redroot* ( <i>Amaranthus retroflexus</i> )	Purslane, Common* ( <i>Portulaca oleracea</i> )
Grasses		
Goosegrass ( <i>Eleusine indica</i> )*	-	-
Pre-plant incorporated applications applied as directed on this label will suppress Barnyardgrass, Foxtails and Panicums. <b>THIS PRODUCT plus Trifluralin (e.g., Trifluralin 4EC, Treflan) Tank-mix:</b> This tank-mix combination applied pre-plant incorporated as directed on this label will control the weeds listed above plus those weeds listed on the Trifluralin label.		
*For optimum control of these weeds, use the highest rate specified on the label for the type of application to be made. Repeat post-emergence applications may be needed for best control.		

POST-EMERGENCE APPLICATIONS ON ESTABLISHED TOMATOES*		
Broadcast Sprays - 0.5 to 1 Pt./Ac. of THIS PRODUCT		
Broadleaves		
Carpetweed ( <i>Mollugo verticillata</i> ) Fumitory ( <i>Fumaria officinalis</i> ) Galinsoga ( <i>Galinsoga</i> spp.) Jimsonweed** ( <i>Datura stramonium</i> ) Ladysthumb** ( <i>Polygonum persicaria</i> )	Lambsquarters ( <i>Chenopodium album</i> ) Mustard, Wild ( <i>Brassica kaber</i> ) Pigweeds ( <i>Amaranthus</i> spp.) Purslane ( <i>Portulaca oleracea</i> ) Ragweed, Common** ( <i>Ambrosia artemisiifolia</i> )	Smartweed, Pennsylvania** ( <i>Polygonum pensylvanicum</i> ) Toadflax ( <i>Linaria</i> spp.) Velvetleaf** ( <i>Abutilon theophrasti</i> )
Directed Sprays - 1 to 2 Pts./Ac. of THIS PRODUCT		
Grasses		
Foxtail, Yellow** ( <i>Setaria glauca</i> )	Goosegrass ( <i>Eleusine indica</i> )	Plus weeds listed above under "Broadcast Sprays"
<p>* For effective control of weeds with post-emergence applications, apply THIS PRODUCT before weeds are 1 inch tall. Post-emergence applications as directed on this label will suppress Barnyardgrass and Crabgrass when these weeds are less than 1 inch tall.</p> <p>** For optimum control of these weeds, use the highest rate specified on the label for the type of application to be made. Repeat post-emergence applications may be needed for best control.</p>		

#### Use Precautions:

- Crop injury or delayed maturity may result from broadcast or directed spray applications if Tomatoes are growing under stress conditions such as periods of drought or cool, wet and cloudy weather preceding application.
- For newly introduced Tomato varieties with unknown tolerance to THIS PRODUCT, treat only a small area to determine if THIS PRODUCT can be used without injury to the crop.

#### Use Restrictions:

- Do not apply more than a total 2 pints of THIS PRODUCT per crop season.
- Do not apply the total amount of 2 pints of THIS PRODUCT within a time span of less than 35 days, except in the case of directed sprays.
- Allow at least 14 days between applications, regardless of dosage or method of application or severe crop injury may occur.
- Pre-Harvest Interval (PHI): Do not apply within 7 days of harvest.
- Do not apply within 3 days after periods of cool, wet or cloudy weather or crop injury will occur.
- Do not use hot caps on Tomatoes within 7 days before or at any time after application of THIS PRODUCT.
- Do not treat seeded Tomatoes until plants have reached the 5 to 6 leaf stage or severe crop injury may occur.
- **DO NOT USE THIS PRODUCT ON TOMATOES IN KERN COUNTY, CALIFORNIA.**

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in a cool, dry place. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, carefully sweep material into a pile. Refer to "PRECAUTIONARY STATEMENTS" section for hazards associated with the handling of this material. Do not walk through spilled material. Dispose of pesticide as directed below. In spill or leak incidents, keep unauthorized people away.

**PESTICIDE DISPOSAL:** To avoid waste, use all materials in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often, such programs are run by state or local governments or by industry).

#### CONTAINER HANDLING:

**Nonrefillable Container (rigid material; ≤ 5 gallons):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container one-fourth full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**Nonrefillable Container (rigid material; > 5 gallons up to < 250 gallons):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**Refillable Container (≥ 250 gallons & Bulk):** Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

## WARRANTY—CONDITIONS OF SALE

OUR DIRECTIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically directed and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

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