For controlling many Herbaceous weeds and Annual and Perennial grasses.

**ACTIVE INGREDIENT:**

Diuron .......................................................... 40.0%

**OTHER INGREDIENTS:** .................................... 60.0%

**TOTAL:** .......................................................... 100.0%

This product contains 4 pounds of diuron per gallon.

**KEEP OUT OF REACH OF CHILDREN**

See FIRST AID Below

**SHAKE WELL BEFORE USING**

[Optional: RECIRCULATE CONTENTS BEFORE USE]

**ATTENTION:** This product contains a chemical known to the State of California to cause cancer.

**EPA Reg. No. 19713-36**

**EPA Est. No. 19713-MS-001**

Net Content: 2.5 Gals.

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**FIRST AID**

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

**IF IN EYES:**
- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

**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.

**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 contaminate water when cleaning equipment or disposing of equipment washwaters or rinseate. Cover or incorporate spills. Apply this product only as specified on this label.

**USE INFORMATION**

Use of diuron in certain portions of California, Oregon, and Washington is subject to the January 22, 2004 Order for injunctive relief in Washington Toxics Coalition et al vs. EPA, C01-132C (W.D. WA.). For information, please refer to www.epa.gov/espp/wtc/.

This product is to be mixed with water and applied as a spray for selective control of weeds in certain crops and for non-selective weed control on non-cropland areas. It is non-corrosive to equipment, nonflammable and non-volatile. This product may be applied to soil prior to emergence of weeds to control susceptible weed seedlings for an extended period of time; the degree of control and duration of effect will vary with the amount of chemical applied, soil texture, rainfall and other conditions. Soils high in clay or organic matter require higher dosages than soils low in clay or organic matter to obtain equivalent herbicide performance. Moisture is required to activate the chemical; best results occur if rainfall (or sprinkler irrigation) occurs within 2 weeks of application.
This product, applied pre-emergence, before emergence of crop and weeds, is an effective procedure because susceptible weeds are controlled in an early, vulnerable seedling state before they compete with the crop. With favorable moisture conditions, this product continues to control weeds for some time as the crop becomes better able to compete. Should weed seedlings begin to break through the pre-emergence treatment in significant numbers, secondary weed control procedures should be implemented. These include cultivation and postemergence herbicide application.

This product may also be used to control emerged weeds. Results vary with rate applied and environmental conditions; best results are obtained on succulent weeds growing under conditions of high humidity and temperatures of 70°F or higher. Addition of a nonionic surfactant to the spray (where recommended) increases contact effects of this product.

This product may be used as a directed post-emergence application. Avoid contact of crop foliage and/or fruit with spray or mist to avoid injury on the following crops: Artichokes, Corn (field), Cotton, Sorghum (grain), Sugarcane and established plantings of Apples, Bananas, Blueberries, Caneberrys, Citrus, Gooseberries, Filberts, Grapes, Macadamia nuts, Olives, Papayas, Peaches, Pears, Pecans, Plantains, Walnuts and certain Tree plantings.

Under specified conditions (see “DIRECTIONS FOR USE”), this product without surfactant may be applied over the top of Alfalfa (established, dormant or semi-dormant), Asparagus (established), Birdfoot trefoil (established, dormant), Grass seed crops (established), Oats, Pineapples, Plum base fern (established, mowed), Red clover (established, dormant), Sugarcane and Wheat.

Weed species vary in susceptibility to this product and they may be more difficult to control when under stress. Combinations of this product with other herbicides (as registered) increase the number of species controlled; consult labels of the companion products for this and other information.

Since the effect of this product varies with soils, uniformity of application and environmental conditions, it is suggested that growers limit their first use to small areas. Observe all use precautions and limitations on labeling of all products used in mixtures. Follow the most restrictive label.

**IMPORTANT:** Injury to or loss of desirable trees or other plants may result from failure to observe the following: Do not apply (except as directed for crop use) or drain or flush equipment on or near desirable trees or other plants or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots. Do not use on home plantings of trees, shrubs or herbaceous plants, nor on lawns, walks, driveways, tennis courts or similar areas. Prevent drift of spray to desirable plants. Do not contaminate any body of water. Do not use in forest nurseries or greenhouses. Do not enter or allow others to enter treated areas until sprays have dried.

**Non-crop weed control is not within the scope of the WPS.**

**RESISTANCE MANAGEMENT**

**GROUP 7 HERBICIDE**

This product is a Group 7 herbicide. Any weed population may contain or develop plants naturally resistant to this product and other Group 7 herbicides.

When herbicides affecting the same biological site of action are used repeatedly over several years to control the same weed species in the same field, naturally-occurring resistant biotypes may survive a correctly applied herbicide treatment, propagate, and become dominant in that field. Adequate control of these resistant weed biotypes cannot be expected. It may be necessary to retreat the problem area using a product affecting a different site of action, if weed control is unsatisfactory.

To better manage herbicide resistance through delaying the proliferation and possible dominance of herbicide resistant weed biotypes, it may be necessary to change cultural practices within and between crop seasons such as using a combination of tillage, rotation, tank-mix partners and/or sequential herbicide applications that have a different site of action. Weed escapes that are allowed to go to seed will promote the spread of resistant biotypes.

It is advisable to keep accurate records of pesticides applied to individual fields to help obtain information on the spread and dispersal of resistant biotypes. Consult your agricultural dealer, consultant, applicator, and/or appropriate state agricultural extension service representative for specific alternative cultural practices or herbicide recommendations available in your area.

**INTEGRATED PEST MANAGEMENT**

This product may be used as part of an Integrated Pest Management (IPM) program that can include biological, cultural, and genetic practices aimed at preventing economic pest damage. IPM principles and practices include field scouting or other detection methods, correct target pest identification, population monitoring, and treating when target pest populations reach locally determined action thresholds. Consult your state cooperative extension service, professional consultants or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop systems in your area.

**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.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard (WPS), 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, 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 intervals (REI). The requirements in this box only apply to uses of this product that are covered by the WPS.

Do not enter or allow worker entry into treated areas during the REI of 12 hours.

PPE required for early entry to treated areas that is permitted under the WPS and that involves contact with anything that has been treated, such as plants, soil or water is: Coveralls, chemical-resistant gloves made of any waterproof material and shoes plus socks.

**NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard (WPS) for agricultural pesticides 40 CFR Part 170. The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses. Do not enter or allow others to enter treated areas until sprays have dried.

Non-crop weed control is not within the scope of the WPS.

**SPRAY DRIFT MANAGEMENT FOR GROUND AND AERIAL APPLICATIONS**

Use best practices to avoid drift to all other crops and non-target areas. Do not apply when conditions favor drift from target areas. The interaction of many equipment- and weather-related factors determine the potential for spray drift. Avoiding spray drift at the application site is the responsibility of the applicator. The applicator must follow the most restrictive precautions to avoid drift, including those found in this labeling as well as applicable state and local regulations and ordinances. A drift control agent may reduce drift, however, it may also decrease weed control.

Make aerial or ground applications only when the wind speed is less than or equal to 10 miles per hour.

Do not make aerial or ground applications into temperature inversions. Apply with medium or coarser spray (according to ASAE standard 572) for standard nozzles.

**Additional requirements for ground applications:**

When applying to crops, apply with nozzle height no more than 2 feet above the ground or crop canopy. When applying to non-crop areas, use lowest nozzle height consistent with safety and efficacy. Direct spray into target vegetation.

**Additional requirements for aerial applications:**

The spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The boom length must not exceed 75% of the wingspan or 90% of rotor blade diameter. Use upwind swath displacement.

When applying to crops, do not release spray at a height greater than...
6 to 10 feet above the ground or crop canopy. When applying to non-crop areas, apply at a minimum safe altitude above the area being treated. Do not apply by air if sensitive non-target crops are within 100 feet of the application site.

SELECTIVE USE IN CROPS: This product when used before weed emergence (Pre-emergence use) will provide the following control of annual weeds:

<table>
<thead>
<tr>
<th>CONTROL</th>
<th>0.6 to 0.8 Quarts Per Acre</th>
<th>1.2 to 1.6 Quarts Per Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barnyardgrass (Watergrass)</td>
<td>Amsinkia (Fiddleneck)</td>
<td>Foxtail (Gromwell)</td>
</tr>
<tr>
<td>Crabgrass</td>
<td>Annual Bluegrass</td>
<td>Gromwell (Krawel)</td>
</tr>
<tr>
<td>Lambquarters</td>
<td>Annual groundcherry</td>
<td>Krawel (Pennycress)</td>
</tr>
<tr>
<td>Pigweed</td>
<td>Annual morningglory</td>
<td>Rattlesnake (Red sprangletop)</td>
</tr>
<tr>
<td>Purslane</td>
<td>Annual sweet vernalgrass</td>
<td>Sheepspurs (Tansymustard)</td>
</tr>
<tr>
<td>Ragweed</td>
<td>Chickweed</td>
<td>Velvetgrass (Wild buckwheat)</td>
</tr>
<tr>
<td>Ageratum</td>
<td>Corn spurry</td>
<td>Wild lettuce</td>
</tr>
<tr>
<td>Annual lovegrass</td>
<td>Dogfennel</td>
<td>Wild mustard</td>
</tr>
<tr>
<td>Annual ryegrass</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual smartweed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual sowthistle</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Corn speedwell</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dayflower</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flora’s paintbrush</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hawkweed</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PARTIAL CONTROL

<table>
<thead>
<tr>
<th>0.8 Quart Per Acre</th>
<th>3.2 Quarts Per Acre</th>
<th>6.4 to 8 Quarts Per Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annual morningglory</td>
<td>Horsenettle</td>
<td>Guineagrass (Maidencane)</td>
</tr>
<tr>
<td>Cocklebur</td>
<td>Quackgrass</td>
<td>Pangolagrass</td>
</tr>
<tr>
<td>Prickly sida (Teaweed)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sesbania</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sicklepod</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SPRAY PREPARATION: Mix proper amount of this product into necessary volume of water. Where use of a surfactant is recommended, dilute with 10 parts of water and add as last ingredient to a nearly full tank.

TANK MIXTURES: This product may be tank mixed with other herbicides and/or adjuvants registered for crop or non-crop use in this label. Refer to the label of the tank mixture partner(s) for any additional use instructions or restrictions. Always follow the most restrictive label.

REPLANTING: Unless otherwise directed, do not replant treated areas to any crop within 2 years after last application as injury to subsequent crops may result.

NOTE: For crops grown in the arid west, reductions in normal irrigation practices for the crop in production or a Summer fallow period without supplemental irrigation may require the crop rotation intervals to be extended.

When such conditions occur a field bioassay should be completed prior to planting of any desired crop. A successful bioassay means growing up to maturity a test strip of the crop(s) intended for production. The test crop(s) strip should cross the entire field including knolls, low areas and areas where any berms were located. The results of this bioassay may require the rotation intervals to be extended.

RATES: All rates of this product are expressed as broadcast rates; for band treatment, use proportionately less. For example, use one-third of the broadcast rate when treating a 14-inch band where row spacing is 42 inches. Where a range of dosages is given, use the lower rate on Coarse textured soils low in clay or organic matter and the higher rate on Fine textured soils high in clay or organic matter. For post-emergence application, use the lower rate on smaller weeds and the higher rate on larger weeds.

SOIL LIMITATIONS: Crop injury may result from failure to observe the following: Unless otherwise directed, do not use on Sand, Loamy sand or Gravelly soils or exposed subsoils, nor on Pecans where organic matter is less than 0.5%, nor on Alalfa, Apples, Artichokes, Barley (Winter), Cotton, Citrus, Grapes, Oats, Olives, Papayas, Peaches, Pears, Sorghum, Sugarcane, Walnuts and Winter wheat where organic matter is less than 1%, nor on Blueberries, Birdsfoot trefoil, Caneberrys, Gooseberries, Macadamia nuts and Peppermint where organic matter is less than 2%.

CHEMIGATION

Apply this product only through sprinklers, including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set hand move or mirosprinklers irrigation system(s). 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.

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

To 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.

Public water systems means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

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 contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and 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 pestic-
icide injection pump when the water pump motor stops or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected. System 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. Continuous agitation of the pesticide supply tank for the duration of the application period is recommended. The pesticide is to be applied continuously for the duration of the water application.

USES

FIELD CROPS (See Soil Limitations)

A good seedbed must be prepared before pre-emergence use of this product as crop injury may result if application is made to ground which is cloddy or compacted, resulting in improperly planted seed. Plant seed to depth specified. Unless otherwise directed, surface of the soil should not be cultivated or disturbed after application of this product and before emergence of the crop as weed control may be reduced and crop injury may result. However, if moisture is insufficient to activate the herbicide, a shallow cultivation (rotary hoe preferred) should be made after the emergence of crops while weeds are small enough to be controlled by mechanical means.

Alfalfa

Treat only stands established for 1 year or more. Do not apply to seeding Alfalfa nor to Alfalfa/Grass mixtures; do not apply to Alfalfa under stress from disease, insect damage, shallow root penetration (such as on shallow hard pans), or alkali spots, nor to flooded fields as crop injury may result. Do not spray on snow-covered or frozen ground.

Maximum application rate per crop cycle is 2.4 pounds active ingredient (2.4 quarts of this product) per acre. Apply a maximum of one application per year.

CA (Dormant and Semi-Dormant Varieties): Use 1.2 to 2.4 quarts per acre in Fall or Winter after Alfalfa becomes dormant or semi-dormant, but before growth begins in the Spring. Crop injury may result if application is made to actively growing Alfalfa. For best results, apply before weeds have emerged or become established (2 inches in height or diameter). Control of established weeds is improved by applying this product with a suitable contact herbicide registered for such use. Sufficient rainfall for soil activation of this product is unlikely in CA after February 1. Treated areas may be replanted to any crop after one year from last application if rate does not exceed 1.6 quarts per acre.

AZ: Use 1.2 to 2.4 quarts per acre in Fall after Alfalfa becomes dormant but no later than January.

Eastern CO, KS: For control of Tansymustard, apply 0.8 quart per acre shortly after emergence of Mustard in the Fall or Winter; use 1.6 quarts per acre if weeds are 2 inches to 4 inches tall. Alternatively, if other annual weeds are present, apply 1.6 to 2.4 quarts per acre in February or March.

Other Areas Where Alfalfa Becomes Winter Dormant: Use 1.2 to 2.4 quarts per acre (1.2 to 1.6 quarts per acre East of Appalachian Mountains) in March or early April, but before Spring growth begins.

Artichokes

CA: Apply 1.6 to 3.2 quarts per acre in late Fall or early Winter after the last cultivation before weeds germinate or to emerging seedlings. Direct spray to cover the area between the rows and at the base of Artichoke plants, keeping contact with plants at a minimum. AERIAL APPLICATION IS PROHIBITED.

Asparagus

Apply as a band or broadcast treatment. Do not apply to young plants during the first growing season (except as noted below), nor to newly seeded Asparagus, nor on plants with exposed roots as severe injury may result. Pre-emergence weed control will be reduced on soils with greater than 5% organic matter. AERIAL APPLICATION IS PROHIBITED.

Established Plantings: On Light soils and other soils low in clay or organic matter, apply 0.8 to 1.6 quarts per acre. On soils high in clay or organic matter, apply 1.6 to 3.2 quarts per acre. Two applications may be used; the first application should be made before weeds become established but no earlier than 4 weeks before spear emergence and no later than the early cutting period (if weeds are controlled into the cutting period by cultural practices, application may be delayed until immediately after the last cultivation); a second application may be made immediately following completion of harvest provided rainfall is expected. When two applications are used in one season, do not exceed 2.4 quarts per acre per application. In WA (irrigated crop), apply a single treatment of 3.2 quarts per acre. If treatment is delayed until late Winter or early Spring, incorporation of the chemical in the top 1 inch to 2 inches of soil may substitute for lack of rain to activate the herbicide.

Newly Planted Crowns—CA (San Joaquin Delta): Make a single application of 1.6 to 3.2 quarts per acre on soils high in clay or organic matter; use the lower rate on Clay loams and the higher rate on Peat soils. Do not use on soils containing less than 2% organic matter. Soils must be settled by rainfall or irrigation prior to treatment. Do not treat crowns planted to a depth of less than 2 inches.

Barley (Winter)

Western OR and Western WA: For drill-planted Barley, make a single application of 1.2 to 1.6 quarts per acre as soon as possible after planting but before emergence of Barley. Do not replant treated areas to any crop within 1 year after the last application as injury to subsequent crops may result.

Bermudagrass Pastures (Newly-Sprigged)

Apply 0.8 to 2.4 quarts after planting and before emergence of Bermudagrass or weeds. Alternatively, for control of emerged annual weeds up to 4 inches in height, apply 0.4 to 0.8 quart per acre; add a surfactant per 25 gallons of spray. If Bermudagrass has emerged at time of treatment, temporary burn of exposed plant parts may occur. Plant sprigs (stolons) 2 inches deep in a well-prepared seeded bed; do not treat areas where sprigs are planted less than 2 inches deep as crop injury may result. Do not graze or feed foliage from treated areas to livestock within 70 days after application.

AERIAL APPLICATION IS PROHIBITED.

Bermuda Trefol (Lotus)

Western OR: Treat only stands established for at least 1 year; do not apply to seeding Trefol as injury may result. Make a single application of 1.6 quarts per acre when Trefol is dormant (October 15 to December 15). Do not replant treated areas to any crop within 1 year after last application as injury to subsequent crops may result.

AERIAL APPLICATION IS PROHIBITED.

Corn (Field)

AERIAL APPLICATION IS PROHIBITED.

Post-emergence: Make a single application of 0.6 quart per acre in combination with non-pressure nitrogen solution. If nitrogen solution is not used, apply 0.8 quart per acre. Add a surfactant for each 25 gallons of spray. Apply as a directed spray when Corn is at least 20 inches high and weeds are no taller than 3 inches. DO NOT APPLY OVER TOP OF CORN. Do not replant to any crop within 1 year except Corn, Cotton and Grain sorghum may be planted the Spring following treatment.

Pre-emergence—AR, LA, MS and TN: Make a single application of 0.5 to 0.8 quart per acre as a broadcast or band treatment after planting, but before Corn emerges. Plant Corn at least 1.5 inches deep. Do not replant treated areas to crops other than Corn or Cotton within 4 months following band treatment and 6 months following broadcast treatment as crop injury may result.

Cotton

Seeding disease may weaken plants and increase the possibility of injury from the use of trifluralin products followed by this product. These treatments should be used only in conjunction with a standard fungicide seed treatment plus a good supplemental soil fungicide program such as Captan - PCNB mixture. DO NOT SPRAY OVER THE TOP OF COTTON PLANTS. Do not apply to sand or loamy sand soils. Do not use on soils with less than 1% organic matter as crop injury may result. Do not use this product in pre-plant or pre-emergence applications where soil-applied organophosphate insecticides are used due to potential for severe cotton injury and possible stand loss. Do not allow livestock to graze treated Cotton. The maximum application rate per crop cycle is as follows:

<table>
<thead>
<tr>
<th>Type of Soil</th>
<th>Pounds of Diuron a.i. per Acre</th>
<th>Amount of This Product (Quarts/A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse</td>
<td>0.8</td>
<td>0.8</td>
</tr>
<tr>
<td>Medium</td>
<td>1.5</td>
<td>1.5</td>
</tr>
<tr>
<td>Fine</td>
<td>2.2</td>
<td>2.2</td>
</tr>
</tbody>
</table>
replanting, avoid disturbing the original bed.

Pre-emergence—Except AZ, CA: Use this product alone or apply as a separate operation following pre-plant treatment with Trifluralin EC. Apply this product after planting but before Cotton emerges. Do not treat Cotton in deep furrows as crop injury may result. Use only where Cotton is planted on flat or raised seedbeds. Shallow incorporation (no deeper than 0.25 inch) with a rotary hoe or similar equipment following planting usually improves results especially during dry weather. A wide press wheel should be used on the planter to provide a level seedbed for subsequent early season post-emergence treatments. If moisture is insufficient to activate this product or if soil becomes crusted before crop emerges, a shallow rotary hoeing (no deeper than 0.25 inch) should be made before weeds become established. This product should not be applied pre-emergence following application of the maximum rate for a given soil applied pre-plant. If less than the maximum rate is used pre-plant, additional application of this product may be made at preemergence. However, the total amount of this product applied pre-plant and pre-emergence must not exceed the maximum suggested use rate for either pre-plant or pre-emergence applications.

This Product Alone: Make a single application as a broadcast or band spray using the following broadcast rates; for band treatment, use proportionately less.

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>Rate Per Acre (qt.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sandy loam, Loam, Silt loam, Silt</td>
<td>0.8</td>
</tr>
<tr>
<td>Sandy clay loam, Clay loam, Silty clay loam, Sandy clay</td>
<td>1</td>
</tr>
<tr>
<td>Silty clay, Clay</td>
<td>1.6</td>
</tr>
</tbody>
</table>

**Annual Weed Control:**

For control of seedling perennial grasses such as Johnsongrass and partial control of Nutsedge or when weed growth is under drought stress or over 2 inches high, add 1.65 to 2 pounds active MSMA to above spray mixture. If MSMA is used, do not apply after first bloom. For enhanced weed control in hooded/shielded sprayer applications add MSMA as suggested above; or Boa, Gramoxone Extra, Glyphosate Original, Roundup Ultra, or Touchdown according to label directions. Consult product labels for specific directions and precautions for hooded sprayer applications.

Late Season (Lay-By): Apply 0.8 to 1.2 quarts per acre (0.8 to 1.6 quarts per acre in AZ and CA) when Cotton is at least 12 inches tall (at least 20 inches tall for Pima S-2). For control of germinating weed seedlings, apply to soil beneath Cotton plants and between rows immediately after last cultivation. In irrigated Cotton, best weed control is obtained if the field is irrigated within 3 to 4 days after application; thoroughly wet the surface of the ground over the row to carry the herbicide into the root zone of germinating weeds. Alternatively, for control
of emerged annual weeds (up to 4 inches in height) at lay-by time, make a single application in combination with a surfactant or use 0.4 to 0.6 quart of this product (plus surfactant) per acre and repeat later if needed.

Replanting: If initial seeding fails to produce a stand, Cotton may be replanted in soil treated pre-emergence with this product alone or following pre-plant application of Trifluralin EC. Wherever possible, avoid disturbing original bed. If necessary to rework soil before replanting, use shallow cultivation such as discing; do not rototill nor move soil into the original drill area. Plant seed at least 1 inch deep. Do not retreat field with a second pre-plant or pre-emergence application during the same crop year as injury to the crop may result.

Subsequent crops:

<table>
<thead>
<tr>
<th>This Product – Type of Application</th>
<th>Crops That May Follow Treated Cotton</th>
</tr>
</thead>
<tbody>
<tr>
<td>Band pre-emergence – OR – Post-emergence</td>
<td>Any crop 4 months after last application</td>
</tr>
<tr>
<td>Band pre-emergence plus post-emergence – OR – Broadcast pre-emergence (and pre-plant) – OR – Broadcast pre-emergence plus band post-emergence</td>
<td>Corn, Cotton, Grain sorghums (not Sorgos or Forage sorghums nor Grass sorghums) or Soybeans the next Spring. Do not replant treated areas to any other crop within 1 year after last application, as injury to subsequent crops may result.</td>
</tr>
<tr>
<td>Broadcast post-emergence (lay-by)</td>
<td>Corn, Cotton, Grain sorghums (not Sorgos or Forage sorghums nor Grass sorghums) the next Spring. Do not replant treated areas to any other crop within 1 year after last application, as injury to subsequent crops may result.</td>
</tr>
</tbody>
</table>

For subsequent crops in fields where Trifluralin EC is used, follow instructions on Trifluralin EC product label(s).

Grass Seed Crops (Perennial except where specifically indicated)

Maximum single application rate is 2.4 lbs. a.i./A (2.4 quarts of this product per acre). Make only 1 application per year. Aerial application is limited only to the Pacific Northwest. Apply only to established plantings at least 1 year old, except as noted. Do not replant treated areas to any crop within 2 years of last application as injury to next crop may occur. Do not apply to snow covered or frozen ground as injury to the crop or poor weed control may result.

Do not treat stands lacking in vigor due to poor fertility, environmental stress, insects, disease or damage from other herbicides.

CO, KS, NM and OK: On Sand bluestem, Side-oats grama and Switchgrass, apply 1.6 to 2.4 quarts per acre during the dormant period shortly before weed seedlings emerge. Do not apply after crop begins growth in the Spring as crop injury may result. In fields where ash residues have accumulated from burning straw, use 2.4 quarts per acre; spread unburned chaff or straw with a harrow or chopper before application.

Eastern OR, Eastern WA: On perennial Bluegrass and Fescue, apply 0.8 to 2.4 quarts per acre as broadcast in enough diluent to get even distribution. Apply in Spring before rapid growth of the crop begins and before rains or spray at a rate of 2 to 2.4 quarts per acre. Use a sufficient volume of water in minimum of 25 gallons per acre by air, for thorough coverage of weed foliage. For best results, make applications at the onset of the Fall rains and before weeds have become established (typically October 1st through November 15th).

Established weeds beyond the 2- to 4-leaf stage should be removed prior to treatment.

Apply only to well-established, vigorous stands. Do not apply to perennial Ryegrass stands less than 1 year old. Use mechanical agitation and avoid overlap of spray patterns. Weed control efficacy may be reduced in fields where ash residues have accumulated from burning straw.

Annual Ryegrass for the Creation of Rows: Apply 0.8 to 1.6 quarts per acre as a directed or shielded spray so the intended crop row area is not treated. These applications should be made where excessive populations of annual Ryegrass are anticipated to volunteer from previous crops. Applications can be made as a directed/shielded spray during seeding or after emergence of annual Ryegrass. These applications generally will occur between October 1 and January 15. This product is most effective when applied before annual Ryegrass volunteer plants have more than 2 leaves. If larger plants are to be treated, addition of a labeled post-emergence herbicide will provide more effective control.

Adjust nozzle heights and spacing to allow the establishment of the desired row width (generally about 3 inches) and spacing (generally 9 to 12 inches). Use of low pressure nozzles, shielded nozzles or drop nozzles to reduce spray movement into the intended crop row area is recommended.

Fine Fescue Grass Seed Crops (including Chewings, Creeping red and Hard fescue types) for the suppression of Rattail fescue: Apply at 0.8 to 1.6 quarts per acre on soils having at least 1% organic matter. Do not use on Sand, Loamy sand, Gravelly soils or exposed subsoils.

Crop Stage and Application Timing: This product is for use on healthy, vigorous stands of Fine fescue. This product can be applied to stands established at least 1 year or to new plantings that have been established for at least 6 months and have a minimum of eight tillers at time of application.

Apply in Fall before Grass weeds are beyond the 1- to 2-leaf stage and before broadleaf weeds are larger than 1 to 2 inches tall or across. Use the high end of the rate range for large weeds or where weed populations are high. Approximately 0.5 to 1 inch of rainfall or sprinkler irrigation is needed to move this product in the weed zone before weeds develop an established root system. Weeds larger than the size indicated or those having a well-established root system before this product is properly activated by rainfall/irrigation may not be adequately controlled. Weed control may be reduced by heavy straw residues or ash from field burning.

Tank Mixes and Sequential Treatments: This product can be applied either alone or in a program involving tank mixes and/or sequential treatments with other herbicides and adjuvants. When using as tank mix with other herbicides, use 0.8 to 1.2 quarts per acre unless prior experience indicates it is safe to use higher rates. Tank mixes with other herbicides can increase the risk of crop injury. When using certain tank mixes for the first time, limit use to a small area to determine safety before treating large areas.

ID, OR, WA: Use in newly planted Bentgrass, Chewing fescue, Kentucky bluegrass, perennial Ryegrass, Orchardgrass and Tall fescue. During planting operation, spray a suitable brand of activated charcoal as a 1-inch band on soil surface at a rate of 300 pounds per acre (broadcast basis; equivalent to 15 pounds per acre of crop when row spacing is 20 inches). Mount nozzles to apply directly over seed row to prevent crop injury. Follow with this product as a single broadcast spray at a rate of 2 to 2.4 quarts per acre. Apply as soon as possible after planting, but before crops or weeds emerge and before rains or sprinkler irrigation. Fall or Spring plantings may be treated. Best results usually occur with early Fall plantings. Treatment will not control Downy brome or Wild oats.

Perennial Ryegrass, Tall Fescue, Kentucky Bluegrass and Fine Fescue (Grown for Seed) (OR Only)

For control of certain Broadleaf weeds and annual grasses apply this product only to well-established vigorous stands of grasses as directed below. Use sufficient water, a minimum of 25 gallons per acre, for thorough coverage of weed foliage. For best results, make application at the onset of Fall rains and before weeds become established (typically October 1 through November 15). Weeds beyond the 2- to 4-leaf stage...
will usually not be controlled. Use higher rates within the range listed when treating larger weeds and heavier weed infestation. Weed control may be reduced where straw or ash residues have accumulated on the soil surface. Lack of moisture to activate the herbicide may reduce weed control. Tank mixtures or sequential treatments with other herbicides may reduce crop tolerance and increase risk of crop injury. When using this product in a tank mix or in a sequential treatment with other herbicides, do not use the maximum rates listed below unless compatibility and the potential for phytotoxicity have been evaluated. Crop tolerance may be reduced and the likelihood of crop injury may increase when crop is under stress caused by weather, diseases and insects. Do not apply this product through any type of irrigation system.

Perennial Ryegrass (Established): Apply 0.8 to 1.6 quarts per acre per season (October 1 through mid-January) to control Seedling grasses and Broadleaf weeds such as Annual bluegrass and others named on the product label.

Tall Fescue (Established): Apply 1.6 to 2.4 quarts per acre per season (October 1 through mid-January) to control Seedling grasses and Broadleaf weeds such as Rattail fescue and others named on the product label. Do not apply more than 1 application per year. Aerial applications are limited to the Pacific Northwest.

Kentucky Bluegrass (Established stands East of the Cascade Mountains): Apply 1.2 to 2.4 quarts per acre per season (October 1 through mid-January) for suppression of Rattail fescue and certain other Seedling grasses and Broadleaf weeds named on the product label. Downy brome is not controlled. Do not use on Poa trivialis grass seed varieties.

Fine Fescue (Illahee, Rainier, Chewings and related varieties including Hard fescue) (Established stands West of the Cascade Mountains): Apply 0.8 to 1.6 quarts per acre for suppression of Rattail fescue and certain other Seedling grasses and Broadleaf weeds named on the product label. Make only 1 application per year. Do not use this product more than two years in succession in the same field.

Established Perennial Bluegrass (Grown for Seed) (ID and WA Only): Broadcast 0.4 to 1 quart of this product per acre in enough diluent to get even distribution. Apply in Spring before rapid growth of Bluegrass begins and when Windgrass is still small (1- to 4-leaf). Do not use on Coarse (Sandy) textured soils. Do not apply this product through any type of irrigation system.

Oats
Do not replant treated areas to any crop within one year after last application as injury to subsequent crops may result. AERIAL APPLICATION IS PROHIBITED.

Drill-Planted Spring Oats—ID, Eastern OR, eastern WA: Use in areas where average annual rainfall exceeds 16 inches. Make a single application of 0.8 to 1.2 quarts per acre after planting, either before or after Oats emerge but within 6 weeks of planting. Best results are usually obtained when application is made 3 to 4 weeks after planting. Apply before weeds are 3 to 4 inches tall.

Drill-Planted Winter Oats and Mixtures with Peas or Vetch—Western OR and Western WA: Make a single application of 1.2 to 1.6 quarts per acre as soon as possible after planting but before emergence of the crop.

Peas, Austrian Field (Western OR)
This product is for selective control of certain weeds in Austrian field peas. AERIAL APPLICATION IS PROHIBITED. Apply 1.2 to 1.6 quarts of this product per acre as a broadcast spray with air or ground equipment as soon as possible after planting but before crop emerges for control of weeds such as Annual bluegrass, Chickweed, Fiddleneck, Lambsquarter, Pigweed, Shepherds purse and Wild mustards. Use lower rate on coarse-textured soils and higher rate on fine-textured soils. Do not use this product on Sand, Sandy loam, Gravelly soils or exposed subsoils or on soils having less than 1% organic matter as crop injury may result. Do not replant treated area to another crop within one year of application. Crop injury may result if severe winter stress, disease or insect damage to the crop follows application.

Peppermint (Pacific Northwest)
Do not apply to stands of mint suffering from stress due to low fertility, drought, winter injury, insects, disease or damage from other herbicides or other causes. Do not apply to snow covered or frozen ground as injury to the crop or poor weed control may result. Do not apply to Sand, Loamy sand, Gravelly soils or exposed subsoils. Do not apply to soils that have a high salt content and/or high water table or poor drainage that retards Mint root development resulting in a shallow root system. Do not apply to soils having less than 1% organic matter. AERIAL APPLICATION IS PROHIBITED.

Use Rates:

<table>
<thead>
<tr>
<th>Rate of This Product Per Acre</th>
<th>1 to 2% Organic Matter</th>
<th>2.1 to 3% Organic Matter</th>
<th>More than 3% Organic Matter</th>
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<tr>
<td>Organic Matter</td>
<td>0.6 to 0.8 qt.</td>
<td>0.8 to 1.6 qts.</td>
<td>1.6 to 2.4 qts.</td>
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Application Timing: Apply this product to established stands of Mint at least one year during the late Winter dormant period or after flaming in the Spring prior to the emergence of new growth. Do not cultivate after application.

If weeds are present at the time of application, the use of a surfactant at 0.25% v/v or crop oil concentrate at 1.0% v/v may be used to increase the performance of this product post-emergence to weeds.

Tank Mixes and Sequential Treatments: This product can be applied either alone or in a program involving tank mixes and/or sequential treatments with other herbicides and adjuvants providing this product is not applied to actively growing Mint plants. When using a tank mix with other herbicides, use the lower end of the rate range of this product unless prior experience indicates it is safe to use higher rates. Tank mixes and sequential treatments with other herbicides can increase the risk of crop injury. When using a certain tank mix or sequential treatment for the first time, limit use to a small area to determine safety before treating large areas.

Red Clover (Western OR)
Make a single application of 1.6 quarts per acre on established Red clover stands (at least 9 months). Apply this product when Red clover is dormant (October 15 to December 15). Do not apply to seedling Red clover and do not replant treated area to any crop within one year after last application, as injury to subsequent crops may result. Treatment will control annual weeds such as Bluegrass, Chickweed, Hawksbeard, Rattail fescue, Ryegrass and Velvetgrass. AERIAL APPLICATION IS PROHIBITED.

Sorghum–Grain (Southwestern States)
Apply 0.2 to 0.4 quart per acre. Add a surfactant. Apply as a directed post-emergence broadcast or band spray after Sorghum is 15 inches tall to control weeds 2 to 4 inches in height. DO NOT SPRAY OVER TOP OF SORGHUM. Use the lower rate on Broadleaf weeds up to 2 inches tall; use the higher rate on grasses up to 2 inches and Broadleaf weeds up to 4 inches tall. When the lower rate is used, a second application may be made, if needed, provided the amount applied in one crop year does not exceed 0.4 quart per acre. Treatment of weeds under drought stress is usually ineffective.

Do not replant treated areas to crops other than Corn or Cotton within 4 months following band treatment and 6 months following broadcast treatment as crop injury may result. AERIAL APPLICATION IS PROHIBITED.

Sugar cane
To prevent possible crop injury on new cane varieties, tolerance to this product should be determined prior to adoption as field practice. Do not treat Sugar cane growing on thinly covered subsoils or rocky areas as crop injury may result. Temporary chlorosis of the crop may result from application over emerged cane. Application over emerged cane should be made only as directed below, without the addition of a surfactant or crop oil concentrate. To minimize chlorosis and stunting, use directed post-emergence sprays.

FL (Pre-emergence): Apply 1.6 to 3.2 quarts per acre as a broadcast or band spray prior to weed emergence after planting or after harvesting plant crop (for ratoon crop) for high organic soils.

FL (Post-emergence): Make 1 or 2 applications of 1.6 quarts per acre as needed by directed spray inter-row. Alternatively, for Panicum control, make up to 3 applications of 0.4 to 0.8 quart per acre plus surfactant as a directed spray after cane has emerged but before Panicum exceeds 2 inches in height. Adjust nozzles to spray beneath cane plants and between rows to cover weed foliage and to minimize contact of cane leaves with spray or drift. Do not apply more than 4.8 quarts total per acre between planting (or ratooning) and harvest.

HI: Apply 1.6 to 4.8 quarts per acre as a broadcast spray prior to weed emergence after planting or after harvesting plant crop or ratoon crop. Sequential applications of 1.6 to 3 quarts per acre may be made as a broadcast spray over emerged cane or by directed spray inter-row. If weeds are emerged, add a surfactant to spray mixture at the rate of 1 to 2 quarts per 100 gallons and apply as a directed spray.
**Wheat (Winter)**

Crop injury may result where severe Winter stress, disease or insect damage follows application. Winter-sensitive varieties may be less tolerant of this product than Winter-hardy varieties. Crop injury may also result from failure to observe the following: Do not use on Sand or Loamy sand soils nor on Gravelly or Sand loams low in organic matter (less than 1%), nor on thinly covered or exposed subsoil areas (clay knolls); do not treat Wheat planted less than 1 inch deep; do not treat Wheat where Winter climatic conditions have caused “heaving” of plants; do not treat Wheat plants lacking in vigor due to poor emergence, insect damage, disease, high alkalinity or other causes; do not apply after Wheat has reached the “boot” stage of maturity. Unless otherwise specified, do not use with surfactants or nitrogen solutions. Do not replant treated areas to any other crop within 1 year after last application (except as noted) as injury to subsequent crops may result.

**Fall Treatment: For early Fall-planted Wheat** (seeded before September 10), apply 3 to 6 weeks after planting but before weeds are 3 to 4 inches tall. Treatment after October 1 has generally given best results. Application should not be made after soil freezes in the Fall. Wheat planted in late October should not be treated until the following Spring.

**Spring Treatment:** Apply as soon as Wheat starts to grow in the Spring. Treatment made prior to April 10 will usually give good results provided weed growth is less than 4 inches tall. Application later than May 1 may give poor results. Alternatively, make a single application of 0.4 to 0.8 quart of this product plus 0.25 pound bromoxynil per acre as a tank mixture, either in the Fall after Wheat has emerged but before soil freezes or in the Spring as soon as soil thaws; apply before weeds are 2 inches tall or across.

In areas where average annual rainfall exceeds 16 inches, make a single application of 0.8 to 1.2 quarts per acre. **Fall Treatment:** For early Fall-planted Wheat (seeded before September 10), apply 3 to 6 weeks after planting but before weeds are 3 to 4 inches tall. Treatment after October 1 has generally given best results. Application should not be made after soil freezes in the Fall. Wheat planted in late October should not be treated until the following Spring.

**Spring Treatment:** Apply as soon as Wheat starts to grow in the Spring. Treatment made prior to April 10 will usually give good results provided weed growth is less than 4 inches tall. Application later than May 1 may give poor results. Alternatively, make a single application of 0.4 to 0.8 quart of this product plus 0.25 pound bromoxynil per acre as a tank mixture, either in the Fall after Wheat has emerged but before soil freezes or in the Spring as soon as soil thaws; apply before weeds are 2 inches tall or across.

In areas where average annual rainfall exceeds 16 inches, follow Fall planting, make a single application of 0.8 to 1.2 quarts per acre when sufficient moisture is available to germinate Wheat seed. Apply before soil freezes and before weeds are 2 inches tall. Application later than March 1 may give poor results.

**NOTE:** If Fall-planted Wheat fails to grow due to Winter kill or adverse growing conditions after Fall treatment, only fields treated before November 1 may be replanted to Spring Wheat. Spring Wheat should not be planted after April 1 and only after deep discing and plowing to a depth of 4 to 6 inches prior to planting. Do not retreat field with a second application during the same crop year as injury to the crop may result.

**OR and WA—West of Cascade Range:** Make a single application of 1.2 to 1.6 quarts per acre as soon as possible after planting; if Wheat and weeds have emerged, apply before weeds are 3 to 4 inches tall. Alternatively, apply a tank mixture of this product plus bromoxynil as detailed above for “East of Cascade Range”.

**FRUIT AND NUT CROPS (See Soil Limitations)**

**AERIAL APPLICATION IS PROHIBITED.**

Unless otherwise directed, make a single application per year as directed spray, avoiding contact of foliage and fruit with spray or drift. Do not graze livestock in treated orchards or groves.

**Apples**

Maximum rate per application is 3.2 pounds active ingredient (3.2 quarts of this product) per acre. Maximum application rate per crop cycle is 3.2 pounds active ingredient (3.2 quarts of this product) per acre. Do not apply more than two applications per year. Minimum re-treatment interval is 90 days. Use this product alone or apply as a tank mix with Sinbar®.

**This Product Applied Alone:** Use only under trees established in the orchard for at least 1 year; do not treat varieties grafted on full-dwarf rootstocks. Apply 3.2 quarts per acre in the Spring (March through May). In the Far West, apply 3.2 quarts per acre to small weeds less than 2 inches in height or diameter under dormant trees or apply 1.6 quarts per acre as a post-harvest treatment followed by 1.6 quarts per acre prior to bud break.

**GA:** Apply 1.6 to 2.4 quarts per acre in the Spring. Repeat application in the Fall but do not use more than 3.2 quarts per acre per year. Add a surfactant to improve control of small, emerged weeds.

**This Product plus Sinbar:** Use only under trees established in the orchard for at least 2 years. Apply either in the Spring or after harvest in the Fall before weeds emerge or during early seedling stage of weed growth.

**Bananas and Plantains**

**New Plantings:** To control annual weeds, apply 1.2 to 2.4 quarts per acre after planting but before weeds or crop emerge. Do not apply to loose soil directly over the planting material.

**Established Plantings:** For control of annualls and for top-kill of Perennials such as Bermuda grass, Birdseed grass and Guineagrass, apply 2.4 to 4.8 quarts per acre plus a surfactant. Avoid contact of plants with spray or drift as injury may result. When tall, dense weed growth is present, remove weed growth before application. If application is made to soil free of weeds, omit the surfactant from the spray. Repeat treatment as needed. Apply at 6-week intervals or longer but no more than a total of 9.6 quarts per acre (broadcast basis) in a 12-month period. Do not replant treated area to any crop within 2 years after last application as injury to subsequent crops may result. Except where Sugarcane or Pineapple may be planted after 1 year.

**Blueberries, Caneberries, and Gooseberries**

Use only in fields which have been established for at least 1 year. Do not apply to Berries interplanted with fruit trees. Do not apply to plants whose roots are exposed as injury may result. Apply as a band treatment at base of canes or bushes. For Spring application, apply before germination and growth of annual weeds.

**AR, FL, GA, MS, MO, NC, NH, SC—Blueberries:** Apply 1.2 to 1.6 quarts per acre in the Spring and repeat treatment after harvest in the Fall. Add surfactant to the spray mixture to improve control of small, emerged weeds.

**IN, MI and OH—Blueberries:** Apply 1.6 to 3.2 quarts per acre in late growth.
Spring. Alternatively, apply 1.6 quarts per acre in the Fall and repeat at the same rate in the Spring.

IN, MI, OH—Raspberries: Apply 2.4 quarts per acre in the late Spring.

MA, ME—Blueberries: Apply 1.6 quarts per acre in late Spring.

MD, NJ—Blueberries: For control of Winter annuals, apply 1.6 quarts per acre in October to December or a single application of 2 quarts per acre may be applied in early to mid-Spring.

CA—Raspberries, Blackberries, Boysenberries, Dewberries and Loganberries: For control of Winter annuals, apply 1.6 quarts per acre in October or November. Repeat at the same rate in late Spring to control Summer annuals. A single application of 2.4 quarts per acre in January or February will control both Winter and Summer annuals in some areas, but the separate Fall and Spring schedule is preferred.

Western OR and Western WA—Blueberries, Caneberrys and Gooseberries: For control of Winter annual weeds, apply 1.6 quarts per acre in October or November. Repeat at the same rate in late Spring to control Summer annuals. A single application of 2.4 quarts per acre in February, January or February will control both Winter and Summer annuals in some areas, but the separate Fall and Spring schedule is preferred.

Citrus

Time application as indicated for specific areas. However, application may be made any time of the year where sprinkler or flood irrigation can be timed to activate the herbicide. Established Perennial weeds require other special control procedures. This product may be applied in Citrus in combination with Boa, and other labeled paraquat formulations, and in combination with Imitator® Plus and other labeled glyphosate formulations. Read and follow specific label instructions, precautions and restrictions on the label of the tank mix partner when applying this product in combination with other products. Always follow the most restrictive label.

NOTE: For trees 4 years of age or less, do not make more than 2 applications per year. Allow a minimum of 60 days between applications when this product is used in a sequential program. For trees 4 years of age or more do not make more than 2 applications per year. Allow a minimum of 80 days between applications when this product is used in a sequential treatment program.

AZ (except Yuma area) and CA (except Imperial and Coachella Valleys): Apply 2.4 to 3.2 quarts per acre shortly after grove has been laid-up in final form (no-tillage program) in late Fall or early Winter. Alternatively, apply 1.6 quarts per acre in October or November and repeat at the same rate in March or April. Subsequent annual applications of 1.6 to 2.4 quarts per acre will usually give adequate weed control.

FL: Use only as a band application. Do not use “Trunk to Trunk”.

East Coast/Flatwoods Areas (Low permeable soils): Apply from 1.6 quarts per acre to a maximum of 6.4 quarts per acre for control of Annual broadleaf weeds and Annual grasses. Addition of an approved surfactant will improve control of emerged weeds. Do not apply more than 6.4 pounds of active ingredient (6.4 quarts of this product) per treated acre in any one application. Do not apply more than 6.4 pounds of active ingredient (6.4 quarts of this product) per treated acre per year inclusive of all diuron formulations used within 1 year.

Ridge Areas, except Highland Co. (Highly permeable soils): Apply from 1.6 quarts per acre to a maximum of 3.2 quarts per acre for control of Annual broadleaf weeds and Annual grasses. Addition of an approved surfactant will improve control of emerged weeds. Do not apply more than 3.2 pounds of active ingredient (3.2 quarts of this product) per treated acre in any one application. Do not apply more than 3.2 pounds of active ingredient (3.2 quarts of this product) per treated acre per year inclusive of all diuron formulations used within 1 year.

Ridge Areas, Highland Co. (Highly permeable soils): Apply from 1.6 quarts per acre to a maximum of 3.2 quarts per acre for control of Annual broadleaf weeds and Annual grasses. Addition of an approved surfactant will improve control of emerged weeds. Do not apply more than 3.2 pounds of active ingredient (3.2 quarts of this product) per treated acre in any one application. Do not apply more than 3.2 pounds of active ingredient (3.2 quarts of this product) per treated acre per year inclusive of all diuron formulations used within 1 year.

Puerto Rico: Make a single application of 3.2 quarts per acre per application or apply 2.4 to 3.2 quarts per acre followed by the same rate 4 to 6 months later. On bearing Citrus, apply any time when seasonal rains are expected. On nonbearing trees, apply when Winter banks are pulled down. For control of Guineagrass, Loosetiffe, Maidencane, Paragrass, Primrose willow and Seamyme in ditches adjacent to Citrus groves, use 2.3 fl. ozs. per 1,000 square feet (3.2 lbs. a.i. per acre) in sufficient water (minimum 4 gallons per 1,000 square feet) to provide thorough and uniform coverage. Apply in the Spring before weed growth starts or after removal of vegetation. Repeat treatment on a spot basis to control hard-to-kill species such as Guineagrass. In bedded groves, do not treat water furrows between the beds as injury to the trees may result. Do not apply more than 3.2 lbs. a.i. (3.2 qts. of this product) per acre in a single application. Do not apply more than 6.4 lbs. a.i. (6.4 qts. of this product) per acre per year.

TX: Apply 1.6 to 3.2 quarts per acre for annual weeds. Use 3.2 quarts per acre for control of Johnsongrass seedlings. Best results accompany application in the Spring. Well-established weeds should be eliminated by cultivation prior to treatment. Do not apply more than 3.2 lbs. a.i. (3.2 qts. of this product) per acre in a single application. Do not apply more than 6.4 lbs. a.i. (6.4 qts. of this product) per acre per year.

Filberts (Except CA)

Use this product to control certain weeds in Filbert orchards established for at least one year. Apply this product as a directed spray. Avoid contact of foliage and fruit with spray or drift. Make an initial treatment of 2.2 quarts per acre in the late Fall or early Winter after harvest. Repeat annually with 2.2 quarts per acre, or apply 1.6 quarts per acre in October or November after harvest and repeat at the same rate in March or April.

Do not apply when nuts are on the ground. Do not graze livestock in treated orchards. Do not use on Light sandy soils. If trees are planted on hillsides, the elimination of weeds and ground cover may cause excessive soil erosion. Under these conditions strip applications of this product (at proportionately lower rates) may be made near the trees or to the tree rows perpendicular to the slope. Maximum rate per application is 2.2 pounds active ingredient (2.2 quarts of this product) per acre. Maximum application rate per crop cycle is 3.2 pounds active ingredient (3.2 quarts of this product) per acre. Do not make more than two applications per year. Minimum re-treatment interval is 150 days when using this product in a sequential treatment program.

Grapes

Apply only to established vineyards (at least 3 years old) as a band treatment to Grape rows. On soils low in clay or organic matter (1 to 2%), severe plant injury may result if heavy rainfall occurs soon after treatment. This risk must be assumed by the user.

Do not apply more than 4 quarts per acre as a single maximum use rate. Do not apply more than 8 quarts per acre per year. Apply a maximum of 2 applications per year. When using this product in a sequential treatment program, allow a minimum of 90 days between applications.

Avoid contact of foliage and green bark (non-barked vines except for undesirable suckers) with spray drift.

East of the Rocky Mountains: On soils low in clay or organic matter (1 to 2%), apply 1.6 to 2.4 quarts per acre per application. On soils high in clay or organic matter, apply 2.4 to 4 quarts per acre per application. Apply in the Spring just prior to germination of Annual weeds.

West of the Rocky Mountains: For best results, apply during the Winter months when weeds are less than 2 inches in height or diameter. Rainfall or overhead sprinkler irrigation sufficient to wet the soil to a depth of 2 inches is necessary to activate the herbicide. Abnormally heavy rainfall following application just before Spring growth may move the herbicide into the root zone of Grapes which could result in injury.

For initial treatment, apply 2.4 to 3.2 quarts per acre; subsequent annual applications of 1.6 quarts per acre will usually give adequate weed control. Do not apply to vines with trunks less than 1.5 inches in diameter as injury may result.

NY and PA—Grasses: Use only in established vineyards (at least 4 years old) for spot control of Perennial grasses such as Orchardgrass, Quackgrass and Ryegrass. Apply in the Spring as a band treatment to ridged soil (2- to 4-inches high) under the trellis at the rate of 4 quarts per acre per application. Band width should not exceed 30 inches. Do not apply more than once every 4 years. Use only on heavy soils, such as Loams, Silt loams and Clay loams. Do not use in areas where Grape roots are shallow or exposed because of high bedrock, poor drainage or erosion as injury to Grapes may result.

Macadamia Nuts

HI: Use only under trees established in the orchard for at least 1 year. Apply 1.6 to 4.8 quarts per acre immediately after harvest, preferably

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before weeds emerge. If weeds have emerged, add surfactant. Re-treat as needed but do not exceed 8 quarts per acre per year.

**Olives**

**CA:** Use only under trees established in the grove for at least 1 year. Apply 1.6 quarts per acre after grove has been laid-up in final form in late October or November; repeat at same rate in March or April. Remove weed growth prior to treatment.

**Papayas**

Use only under trees established in the orchard for at least 1 year. Apply 2 to 4 quarts per acre, preferably before weeds emerge. If weeds have emerged, add surfactant.

**Peaches**

Use this product alone or apply as a tank mixture with Sinbar. Where crop is grown under furrow-irrigation or under raised-berm flood irrigation (trees 4 to 6 inches above waterline), apply only as a band treatment. Do not treat trees planted in the bottom of irrigation furrows nor trees grown under flat flood or basin irrigation, as injury to trees may result. Where complete weed control to harvest is desired, additional weed control measures may be required during the growing season. Do not apply within 3 months of harvest.

**Pears**

Use only under trees established in the orchard for at least 1 year. Do not treat varieties grafted on full-dwarf root stocks. Apply 3.2 quarts per acre in the Spring (March through May). In the Far West, apply 3.2 quarts per acre to weeds less than 2 inches in height or diameter under dormant trees. Alternatively, apply to small weeds at 1.6 quarts per acre post-harvest followed by 1.6 quarts per acre prior to bud-break.

**Pecans**

Use this product alone or apply as a tank mixture with Sinbar. Make a single band or broadcast application as a directed spray using a minimum of 30 gallons of water per acre. Apply in the Spring before weeds emerge or during the early seedling stage of weed growth.

**Pineapples**

**HI:** Use 1.6 to 4.8 quarts per acre as a broadcast spray just before or immediately after planting but prior to weed emergence. Use 1.6 to 3.2 quarts per acre after harvesting the plant crop or ratoon crop (for first ratoon crop as well as subsequent ratoon crops) but before differentiation. For plant crop only, additional broadcast or interspace applications may be made prior to differentiation at the rate of 1.6 quarts per acre at intervals of not less than 2 months. Additional applications to plant crop may be made as needed to interspace only using 1.6 quarts per acre. Do not apply more than 9.6 quarts per acre nor more than 12.8 quarts total per acre per plant crop. Treated areas may be planted to Pineapple or Sugarcane 1 year after last application.

**FL:** Apply 3.2 to 5 quarts per acre as a broadcast spray just before or immediately after planting but prior to weed emergence. Use 3.2 quarts per acre after harvesting plant crop (for ratoon crop). For plant crop only, a second and third broadcast or interspace application may be made prior to differentiation at the rate of 1.6 quarts per acre at intervals of not less than 2 months. Additional applications to plant crop may be made as needed to interspace only using 1.6 quarts per acre. Do not apply more than 3 broadcast sprays (maximum 9.6 quarts per acre) prior to differentiation nor more than 12.8 quarts total per acre per plant crop. Treated areas may be planted to Pineapple or Sugarcane 1 year after last application.

**Puerto Rico:** Apply 3 to 5 quarts per acre as a broadcast spray just before or immediately after planting but prior to weed emergence. Pre-emergence application controls weeds such as Crabgrass, Crotalaria, Fall panicum, Foxtail, Goosegrass, Morningglory, Pigweed, Purslane and Sourgrass. Treated areas may be planted to Pineapple or Sugarcane 1 year after last application.

**Walnuts (English)**

**CA, OR, WA:** Use only under trees established in the orchard for at least 1 year. As an initial treatment, apply 2.2 quarts per acre after the orchard has been laid-up in final form (no-tillage program) in late Fall or early Winter; retreat annually with 1.6 to 2.2 quarts per acre. In California apply 1.6 to 3 quarts per acre. Alternatively, apply 1.6 quarts per acre in October or November and repeat at same rate in March or April. Do not apply more than two applications per year. Minimum retreat-ment interval is 150 days. Do not use on Sand, Loamy sand, Gravelly soils or exposed subsoils, nor where organic matter is less than 1%. Do not graze livestock in treated orchards and groves.

**ORNAMENTAL CROPS (See Soil Limitations)**

AERIAL APPLICATION IS PROHIBITED.

**Ornamental Bulb Crops (Bulbous Iris, Narcissus)**

**Western WA:** Make a single application of 3.2 quarts per acre. Apply after planting, but no later than 4 weeks prior to bulb emergence (usually late September or October). Do not replant treated areas to any ornamental crop within 1 year after last application as injury to subsequent crops may result.

**Plumosus Fern**

**FL:** Hand weed and mow fern, then make a single application of 2.4 quarts per acre within 3 to 5 days. Do not cultivate or disturb soil after application as crop injury may result. Treat only established stands at least 1 year old.

**NON-CROP WEED CONTROL**

This product is an effective herbicide for the control of many weeds. The degree of control and duration of effect will vary with the amount of chemical applied, soil texture, rainfall and other conditions. This product may be used as a pre-emergence treatment at any time of year, except when ground is frozen, provided adequate moisture is supplied by rainfall or artificial means to activate the herbicide. Best results are obtained if applications made to the soil are applied shortly before weed growth begins. If dense growth is present, remove tops and spray the ground. Increased contact activity on established weeds may be obtained using a surfactant. Apply as a drenching spray to actively growing weeds during warm weather when daily temperature will exceed 70°F.
USE RESTRICTIONS AND PRECAUTIONS FOR NON-CROP AREAS

Maximum rate per application is 12 pounds active ingredient (12 quarts of this product) per acre in areas of high rainfall or dense vegetation. Maximum rate per application is 8 pounds active ingredient (8 quarts of this product) per acre in all other areas. Apply a maximum of two applications per year at a maximum of 12 pounds active ingredient (12 quarts of this product) per acre per year inclusive of all diuron formulations within one year. Minimum retreatment interval is 90 days.

General Weed Control: For general weed control in uncultivated non-cropland such as airports, utility, rights-of-way, fence rows, barrier strips, highway, pipeline and railroad right-of-ways, sewage disposal areas, petroleum tank farms, lumberyards, farm yards, fuel storage areas, industrial plant sites, around farm buildings, farm yards, and uncultivated agricultural areas, apply 4 to 12 quarts per acre to control annual weeds including:

<table>
<thead>
<tr>
<th>Broadleaves – 4 to 12 qts. per Acre</th>
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<tbody>
<tr>
<td>Ageratum</td>
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<tr>
<td>Chickweed</td>
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<tr>
<td>Cocklebur</td>
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<tr>
<td>Corn speedwell</td>
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<tr>
<td>Corn spurry</td>
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<tr>
<td>Dayflower</td>
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<tr>
<td>Dogfennel</td>
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<tr>
<td>Fiddleneck (Amsinckia)</td>
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<tr>
<td>Groundcherry, Annual (Teaweed)</td>
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<tr>
<td>Hawksbeard</td>
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<tr>
<td>Horsetail</td>
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<tr>
<td>Horseweed</td>
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<tr>
<td>Knawel</td>
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<tr>
<td>Sicklepod</td>
</tr>
<tr>
<td>Smartweed, Annual</td>
</tr>
<tr>
<td>Spanishneedles</td>
</tr>
<tr>
<td>Tansy mustard</td>
</tr>
<tr>
<td>Velvetleaf</td>
</tr>
<tr>
<td>Wild buckwheat</td>
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<td>Wild mustard</td>
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<table>
<thead>
<tr>
<th>Grasses – 4 to 6.4 qts. per Acre</th>
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<tbody>
<tr>
<td>Barnyardgrass (Watergrass)</td>
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<tr>
<td>Bluegrass, Annual</td>
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<tr>
<td>Crabgrass</td>
</tr>
<tr>
<td>Foxtail</td>
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<tr>
<td>Kylinga</td>
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<tr>
<td>Lovegrass, Annual</td>
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<table>
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<tr>
<th>Grasses – 6.4 to 12 qts. per Acre</th>
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</thead>
<tbody>
<tr>
<td>Guineagrass</td>
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</table>

Irrigation and Drainage Ditches: Apply 4 to 12 quarts per acre to control most annual weeds shown in the preceding table. Apply only when water is not in the ditch. For irrigation ditches, apply during the non-crop season and when ditch is not in use. Minimize movement of this product with irrigation water to avoid crop injury. The herbicide must be fixed in the soil by moisture. Apply before expected seasonal rainfall, if possible, when soil in the ditch is still moist. Following treatment, if rainfall has not totaled at least 4 inches, fill ditch with water and allow to stand for 72 hours; drain off any water remaining before using ditch. Do not treat any ditch area into which roots of trees or other desirable plants may extend as injury may result.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Storage should be under lock and key and secure from access by unauthorized persons and children. Storage should be in a cool, dry area away from any heat or ignition source. Avoid storage at high temperatures. Do not stack over 2 pallets high. Do not move containers from one area to another unless they are securely sealed. Keep container tightly sealed when not in use. Keep away from any puncture source. Avoid storage near water supplies, food, feed and fertilizer to avoid contamination. Store in original container only. If the contents are leaking or material is spilled, follow these steps:

1. Collect and place in suitable containers for disposal.
2. Wash area with soap and water to remove remaining pesticide.
3. Follow washing with clean water rinse.
4. Do not allow runoff to enter sewer or contaminate water supplies.
5. Dispose of waste as indicated below.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL:

Nonrefillable Container (rigid material; less than 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 (2-250 gallons and 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.
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 recommended and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable laws, 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 laws, 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. To the extent consistent with applicable laws, the foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

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