DIURON LIQUID FLOWABLE HERBICIDE
For Control of Many Annual and Perennial Grasses and Herbaceous Weeds

ACTIVE INGREDIENT
Diuron: 3-[3,4-dichlorophenyl]-1,1-dimethylurea ................................................................................ 40%

INERT INGREDIENTS .................................................................................................................................. 60%

TOTAL .......................................................................................................................................................100%

Contains 4.0 Pounds of Diuron Per Gallon

KEEP OUT OF REACH OF CHILDREN
CAUTION

FIRST AID

IF ON SKIN • 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.

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 INHALED • Move person to fresh air.
• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
• Call a poison control center or doctor for further treatment advice.

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 person.

Have product container or label with you when calling a poison control center or doctor, or going for treatment.

For medical emergencies involving this product, call toll free 1-888-324-7598.
See Label for Additional Precautions and Directions for Use
PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes eye irritation. May irritate nose, throat and skin. Avoid breathing spray mist. Avoid contact with skin, eyes and clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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

Applicators and other handlers must wear:
– Long-sleeved shirt and long pants
– Chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinylchloride
– Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:
– Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
– Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning of equipment or disposing of equipment washwaters. Cover or incorporate spills.

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, 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 intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, water, is:
– Coversalls
– Chemical-resistant gloves made of any waterproof material
– Shoes plus socks

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses. Non-crop weed control is not within the scope of the Worker Protection Standard.

Keep unprotected persons out of treated areas until sprays have dried.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses. Non-crop weed control is not within the scope of the Worker Protection Standard.

STORAGE AND DISPOSAL

STORAGE: Store product in original container only, away from other pesticides, fertilizer, food or feed.

PRODUCT DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

GENERAL INFORMATION

Direx 4L Herbicide should be used only in accordance with recommendations on this label, or in separate published Griffin recommendations. Griffin will not be responsible for losses or damages resulting from use of this product in any manner not specifically recommended by Griffin. User assumes all risk associated with such non-recommended use.

Direx 4L is a liquid flowable to be mixed with water and applied as a spray for selective control of weeds in certain crops and for nonselective weed control on non-crop land areas. It is non-corrosive to equipment, non-flammable and non-volatile.

Direx 4L 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 soil low in clay or organic matter for equivalent herbicide performance. Moisture is required to activate the herbicide. Best results occur if rainfall (or sprinkler irrigation) occurs within 2 weeks of application.

Direx 4L applied before emergence of crop and weeds is an effective procedure because susceptible weeds are controlled in an early, vulnerable seedling stage before they compete with the crop. With favorable moisture conditions, Direx 4L continues to control weeds for some time as the crop becomes better able to compete. Should weed seedlings begin to break through the preemergence treatment in significant numbers, secondary weed control procedures should be implemented; these include cultivation and postemergence herbicide application.

Direx 4L 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 temperature of 70°F or higher. Addition of a surfactant to the spray (where recommended) increases contact effects of Direx 4L.

Direx 4L may be used as a directed postemergence application. Contact of crop foliage and/or fruit with spray or mist must be avoided on the following crops: artichoke, corn (field), cotton, sorghum (grain), sugarcane and established plantings of apples, bananas, plantains, blueberries, caneberries, gooseberries, citrus, grapes, macadamia nuts, olives, papayas, peaches, pears, pecans, walnuts and certain tree plantings as injury may occur.

Under specified conditions (see RECOMMENDED USES), Direx 4L without surfactant may be applied over the top of alfalfa (established, dormant or semi-dormant), asparagus (established), birdsfoot trefoil (established, dormant), grass seed crops (established), oats, red clover (established, dormant), sugarcane, wheat and pineapple.

Weed species vary in susceptibility to Direx 4L and they may be more difficult to control when under stress. Combinations of Direx 4L with other herbicides (as registered) increase the number of weed species controlled. Consult labels of the companion product for this and other information. Observe all precautions and limitations on labeling of all products used in mixtures.

Since the effect of Direx 4L varies with soils, uniformity of application and environmental conditions, it is suggested that growers limit their first use to small areas.
**PREEMERGENCE USE (Germinating Weeds): Direx 4L, at recommended rates, controls annual weeds and grasses such as:**

<table>
<thead>
<tr>
<th>Rate/acre</th>
<th>0.6 to 0.8 quart/acre</th>
<th>1.2 to 1.6 quarts/acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barnyardgrass (Watergrass)</td>
<td>Bluegrass, Annual</td>
<td>Chickweed</td>
</tr>
<tr>
<td>Crabgrass</td>
<td>Corn Spurry</td>
<td>Dogfennel</td>
</tr>
<tr>
<td>Lambquarters</td>
<td>Fiddleneck (Amsincia)</td>
<td>Pigweed</td>
</tr>
<tr>
<td>Purslane</td>
<td>Foxtail</td>
<td>Purslane</td>
</tr>
<tr>
<td>Ragweed</td>
<td>Gromwell</td>
<td>Groundcherry, Annual</td>
</tr>
<tr>
<td>Partial Control:</td>
<td>Kneal</td>
<td>Morningglory, Annual</td>
</tr>
<tr>
<td>0.8 quart/acre</td>
<td>3.2 quarts/acre</td>
<td>6.4 to 8.0 quarters/acre</td>
</tr>
<tr>
<td>3.2 quarts/acre</td>
<td>Quackgrass</td>
<td>Quinquefolium</td>
</tr>
<tr>
<td>4.8 quarts/acre</td>
<td>Radish</td>
<td>Rusnitzkya</td>
</tr>
<tr>
<td>6.4 quarts/acre</td>
<td>Tanguticum</td>
<td>Marigold</td>
</tr>
<tr>
<td>8.0 quarts/acre</td>
<td>Trigonum</td>
<td>Orchardgrass</td>
</tr>
</tbody>
</table>

**APPLICATION DIRECTIONS**

**AERIAL APPLICATION:** For alfalfa, asparagus, barley (winter), cotton (preplant or preemergence only), grass seed crops, pineapple, sugarcane and wheat (winter), application may be made by aircraft in a minimum of 3 gallons of water per acre. Avoid overlapping of spray swath and avoid application under conditions where excessive drift may occur. Where land is bedded, make application parallel to rows. Use a boom power sprayer properly calibrated to a constant speed and rate of delivery. Openings in screens should be 50 mesh or larger. Continuous agitation in the spray tank is required to keep the material in suspension. Agitate by mechanical or hydraulic means. If by-pass or return line is used, it should terminate at bottom of tank. Avoid overlapping and shut off spray booms while starting, turning, slowing or stopping or injury to crop may result.

**REPLANTING:** Unless otherwise directed, do not replant treated areas to any crop after 1 year from last application if rate does not exceed 1.6 quarts per acre.

**SOIL LIMITATIONS:** Crop injury may result from failure to observe the following:

**FIELD CROPS (See Soil Limitations):** A good seedbed must be prepared before preemergence use of Direx 4L, as crop injury may result if application is made to ground which is cloddy or compacted resulting in improperly planted seed. Plant seed to depths specified. Unless otherwise directed, the soil surface of the crop to be cultivated or disturbed after application of Direx 4L 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 emergence of crops while weeds are small enough to be controlled by mechanical means.

**FRUIT AND NUT CROPS (See Soil Limitations):** Unless otherwise directed, make single application per year as a directed spray, avoiding contact of foliage and fruit with spray or drift. Do not graze livestock in treated orchards or groves.

**RECOMMENDED USES ALFALFA**

Treat only stands established for 1 year or more. Do not apply to seedling 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), alkali spots, nor to flooded fields as crop injury may result. Do not spray on snow-covered or frozen ground.

**California (Dormant and Semi-Dormant Varieties):** Use 1.2 to 2.4 quarts per acre. For control of volunteer alfalfa use 3.2 quarts per acre. Apply in fall after alfalfa becomes dormant but no later than January.

**Arizona, Nevada:** Use 1.2 to 2.4 quarts per acre. Apply in fall 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 Direx 4L with a suitable contact herbicide registered for such use. Sufficient rainfall for soil activation of Direx 4L is unlikely in California after February 1. Treated areas may be replanted to any crop after 1 year from last application if rate does not exceed 1.6 quarts per acre.

**Eastern Colorado, Kansas:** For control of tansy mustard, apply 0.8 quarts per acre shortly after emergence of mustard in the fall or winter. Use 1.6 quarts per acre if weeds are 2 to 4 inches in height. Alternatively, if other annual weeds are present, apply 1.6 to 2.4 quarts per acre in February or March.

**Idaho, Oregon, Washington:** For control of annual weeds use 1.2 to 2.4 quarts per acre. For control of volunteer alfalfa use 3.2 quarts per acre. Apply in fall after alfalfa becomes dormant but no later than mid-December.

**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). Apply in March or early April, but before spring growth begins.

**APPLE**

Use Direx 4L alone, or apply as a tank mixture with Sinbar® Herbicide.

**Direx 4L Alone:** 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 from 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. Alternatively, treatments to small weeds may be applied at 1.6 quarts per acre postharvest followed by 1.6 quarts per acre prior to bud break.

**Georgia:** 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.

**Direx 4L 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.

**Soil Texture vs. Rate/Acre**

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>Rate/Acre</th>
<th>Rate/Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sandy loam</td>
<td>0.8</td>
<td>1.2</td>
</tr>
<tr>
<td>Loam, Silt loam</td>
<td>1.2</td>
<td>1.6</td>
</tr>
<tr>
<td>Clay loam, Silt</td>
<td>1.6</td>
<td>2.0</td>
</tr>
</tbody>
</table>

- 3 -
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 with irrigation return flow. When trees grow under 6 ft of 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.

**ARTICHoke**
(California)

Apply 1.6 to 3.2 quarts per acre in late fall or early winter after the last cultivation. Apply 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 crop plants at a minimum.

**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. Preemergence weed control will be reduced by more than 50% on planted beds. Application of 2.4 quarts per acre immediately after the last cultivation. A second application may be made immediately following completion of harvest provided rainfall is expected. When two applications are made in one season, do not exceed 2.4 quarts per acre per application. In Washington (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 to 2 inches of soil may substitute for lack of rain to activate the herbicide.

**Newly Planted Crowns – San Joaquin Delta, California:** Make a single treatment of 1.6 to 3.2 quarts per acre on soils high in clay or organic matter. Use the lower rate to clay soils and the higher rate to soils with less than 2% organic matter. Soil must be settled by rainfall or irrigation prior to treatment. Do not treat roots of trees planted to a depth of less than 2 inches.

**BANANA AND PLANTAIN**

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

Established Plantings: For control of annuals and for top-kill of perennials such as bermsudagrass, birdseed grass and guineagrass, apply 2.4 to 4.8 quarts per acre plus surfactant. Avoid contact of banana and plantain 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 surfactant from the spray mixture. Repeat treatment as needed. Apply at 6 week intervals or longer for a maximum of 9.6 quarts Direx 4L per acre (broadcast basis) in 12 months. Do not replant treated areas to any crop within 2 years after last application as injury to subsequent crops may result. Exception: Sugarcane or pineapple may be planted after 1 year.

**BARLEY**
(Winter)

Western Oregon and Western Washington: 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 last application as injury to subsequent crops may result.

**BERMUDADGRASS PASTURES (Newly Sprigged)**

Apply 0.8 to 2.4 quarts after planting and before emergence of bermudagrass or weeds. Alternatively, for control of emerged weeds up to 4 inches in height apply 0.4 to 0.8 quarts 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. Use 0.8 to 1.6 quarts per acre in a well-distributed band in a weed-free area. Do not treat areas where spires 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.

**BIRDSFOOT TREFOIL**
(Lotus)

Western Oregon: Treat only stands established for at least 1 year. Do not apply to seedling trefoil as injury may result. Make a single application of 1.6 quarts per acre when trefoil 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.

**BLUEBERRY, CANEBERRY, GOOSEBERRY**

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 annuals.

Arkansas, Georgia, Mississippi, Missouri, New Hampshire, North Carolina, South Carolina – Blueberry: Apply 1.2 to 1.6 quarts per acre in the spring and repeat treatment after harvest in the fall. Add a surfactant to improve control of small emerged weeds.

California – Blackberry, Boysenberry, Dewberry, Loganberry, Raspberry: 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 annual weeds. A single application of 2.4 quarts per acre in January or February will control both winter and summer annual weeds 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 at any time of the year where sprinkler or flood irrigation can be activated to control the herbicide. Established perennial vines may require special control procedures. Direx 4L may be applied in citrus in combination with Boa®, and other labeled paraquat formulations, and in combination with Glyphosate Original and other labeled glyphosate formulations. Read and follow specific label instructions, applications, and restrictions, and compatible ingredients and tank mix partner when applying Direx 4L in combination with other products.

**Arizona (except Yuma area) and California (Except Imperial and Coachella Valleys):** Apply 2.4 to 3.2 quarts per acre shortly after grove has been laid-in or where grove is ready to be re-grown. Do not exceed 4.8 quarts per acre in any one application. 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.

**Florida** – 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 3.2 quarts per acre for control of annual broadcast and annual grasses. Addition of an approved surfactant will improve control of emerged weeds.

Do not use more than 3.2 quarts per treated acre in any one application.

Do not apply more than 5.6 quarts per treated acre per year. This amount corresponds to 9.6 pounds of diuron, the active ingredient in Direx 4L.

The maximum allowable use rate for diuron is 6.4 pounds 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 use more than 3.2 quarts per treated acre in any one application.

Do not apply more than 4.8 quarts per treated acre per year. This amount corresponds to 4.8 pounds of diuron, the active ingredient in Direx 4L.

The maximum allowable use rate for diuron is 4.8 pounds per treated acre per year inclusive of all diuron formulations used within 1 year.

Do not use at less than 60 day intervals.

Puerto Rico: Make a single application of 3.2 to 6.4 quarts per acre or apply 2.4 to 3.2 quarts per acre followed by the same rate 6 months later. On bearing citrus, apply any time when seasonal rains are expected. On non-bearing trees, apply when winter banks are pulled down.

Texas: Apply 1.6 to 3.2 quarts per acre for annual weeds. Use 3.2 to 4.8 quarts per acre for control of seedling johnsongrass. Postemergence treatments give best results. Well established weeds should be eliminated by cultivation prior to treatment.

**CORN**
(Field)

Postemergence: Make a single application of 0.8 quart per acre in combination with non-pressure nitrogen solution. If nitrogen solution is not used, apply 0.8 quart per acre with surfactant. Apply as directed spray when corn is at least 20 inches high and weeds are not taller than 3 inches.

**DO NOT APPLY OVER THE TOP OF CORN.**

Do not replant to any crop within 1 year after last application as injury to subsequent crops may result. Exception: cotton, corn, and grain sorghum may be planted the spring following treatment.

Preemergence – Arkansas, Louisiana, Mississippi, Tennessee: Make a single application of 0.5 to 0.8 quarts per acre in the spring and repeat 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 injury to subsequent crops may result.

**COTTON**

**Precautions:**

During a single crop season, do not exceed the following amount of Direx 4L per acre for annuals as injury may result: 0.1 quart on loamy sand, 1.2 quarts on sandy loam, 1.6 quarts on clay loam, and 2.2 quarts on clay.

**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.

Seeding disease may weaken plants and increase the possibility of injury from the use of Trilin® or other trifluralin products followed by Direx 4L. These treatments should be used only in conjunction with a standard tundigec seed treatment plus a good supplemental soil fungicide program such as captan-PCNB mixture.
Direx 4L is recommended for control of certain weeds in filbert orchards established for at least 1 year after last application as injury to next spring. Do not replant treated areas to any other crop within 1 year after last application as injury to subsequent crops may result.

For subsequent crops in fields where Trilin (or other trifluralin products) is used, follow instructions on the trifluralin product label.

**FILBERTS (Except CA)**

Direx 4L is recommended for control of certain weeds in filbert orchards established for at least 1 year after last application. Preemergence Applications of Direx 4L following Trilin or other trifluralin products: Apply Trilin or other trifluralin products prior to planting as a broadcast or band treatment. Incorporate according to the directions on the Trilin or other trifluralin product label. As a separate operation apply Direx 4L after planting, but before cotton emerges. Use the following broadcast rates. For band treatment, use proportionately less.

**GRAPE**

Apply only as a band treatment to established vineyards at least 3 years old. On soils low in clay or organic matter (1 to 2%), severe plant injury may result if heavy rainfall or more than 1 inch of irrigation occurs soon after treatment. This risk must be assumed by the user.
GRASS SEED CROPS
(Perennial except where specifically indicated)

Except as noted, apply only to established plantings at least 1 year old.

Colorado, Kansas, New Mexico, Oklahoma: 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 Oregon, Eastern Washington: On perennial bluegrass and fescue apply 0.8 to 1.6 quarts per acre 1 to 2 weeks before planting. Begin broad application to get even distribution. Apply in spring before rapid growth of the crop begins and when the windgrass is still small (1-4 leaf). DO NOT use on coarse (sand) textured soils.

Western Oregon, Western Washington: On alta fescue, Astoria bentgrass, Highland bentgrass (wetland bluegrasses) and Kentucky bluegrass (Merion bluegrasses) apply 1.6 to 3.2 quarts per acre between October 1 and November 15. In fields where ash residues have accumulated from burning straw, use 2.4 to 3.2 quarts per acre. Sprayed unburned chaff or straw with a harrow or chopper before application. If perennial velvetgrass (Holcus lanatus) is a problem, use 3.2 quarts per acre. For best results apply as soon as possible after fall rains start. Established weeds beyond two to four leaf stage should be removed prior to application. Well established vigorous stands of spring planted alfalfa, Kentucky bluegrass and orchardgrass may be treated the following fall provided the crop is planted before April 1 and treatment is not applied before October 15; apply 1.6 quarts per acre.

Oregon, Washington: Apply in the fall to perennial ryegrass at the rate of 0.8 to 1.6 quarts per acre and to tall fescue at the rate of 1.6 to 3.2 quarts per acre. Use a sufficient amount of water (approximately 1 gallon per acre) to ensure even distribution of weed foliage. For best results, make applications at the onset of the fall rains and before weeds have become established (typically October 1 through November 15). Established weeds beyond the two to four 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. Injury 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 direct seedling treatment to the intended crop. Use these applications should be made when excessive populations of annual ryegrass are anticipated to volunteer from previous crops. Applications can be made as a direct seedling treatment or after emergence of annual ryegrass. These applications generally will occur between October 1 and January 15. Direx 4L is most effective when applied after annual ryegrass volunteer plants have more than two leaves. Volunteer plants that are treated, addition of a labeled postemergence 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 momentum into the intended crop row area is recommended.

Fine Fescue Grass Seed Crops (including chervlings, creeping red and hard fescue types): For the suppression of rattlefescue, 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: Direx 4L is recommended for use on healthy vigorous native fescues. Direx 4L 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 rate of eight tillers at time of application. Apply in fall before grass weeds are beyond the one to two leaf stage and before broadleaf weeds are larger than 1 to 2 inches tall or across. Use the high end of the range for large weeds or where weed populations are high. Approximately ½ to 1 inch of rainfall or sprinkler irrigation is needed to move Direx 4L into the weed zone before weeds develop an established root system. Weeds larger than 8 inches tall or having a well established root system before Direx 4L 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: Direx 4L can be applied either alone or in a program involving tank mixes and/or sequential treatments with other herbicides and adjuvants. When using a tank mix with other herbicides, use 0.8 to 1.2 quarts per acre unless otherwise indicated and it is safe to use higher rates. Tank mixes with other herbicides can increase the risk of crop injury. When using a certain tank mix for the first time, limit use to a small area to determine safety before treating large areas.

Precautions:
Do not replant treated areas to any crop within 2 years of last application as injury to subsequent crops may result.
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, insect or disease, or damage from other herbicides.

New Plantings – Oregon, Washington: For use in newly planted bentgrass, creeping 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 15 to 25 lbs per acre of crop where row spacing is 20 inches (300 pounds per acre broadcast basis). Mount nozzles to apply directly over seed rows to prevent crop injury. Follow with Direx 4L as a single broadcast spray at the rate of 2.0 to 2.4 quarts per acre. Apply as soon as possible after planting but before crops or weeds emerge or 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.

MACADAMIA NUT
Hawaii: 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 before weeds emerge. If weeds have emerged, add surfactant. Retreat as needed but do not exceed 8.0 quarts per acre.

OATS
Do not replant treated areas to any crop within 1 year after last application as injury to subsequent crops may result.

Drill Planted Spring Oats – Idaho, Eastern Oregon, Eastern Washington: 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 3 weeks of planting, when application is made 3 to 4 weeks after planting. Apply before weeds are 3 to 4 inches in height.

Drill Planted Winter Oats and Mixture with Peas or Vetch – Oregon, Western Washington: Make a single application of 1.2 to 1.6 quarts per acre as soon as possible after planting but before crop emergence.

OLIVE
(California)
Use only under trees established in the grove for at least 1 year. Apply 1.6 quarts per acre after the grove has been laid-in in full form in late October or November. Repeat at same rate in March or April. Remove weed growth prior to treatment.

PAPAYA
(Austrian Field)
Western Oregon: Direx 4L is recommended for selective control of certain weeds in Austrian field peas. Apply 1.2 to 1.6 quarts Direx 4L per acre as a broadcast spray with air or ground equipment as soon as possible after planting but before crop emerges for control of seedling stage weeds. Do not apply within 3 months of harvest. Do not treat plants growing less than 1" or taller than 24" from ground surface. Do not treat plants after flowers are open. In fields where lansquarters, pigweed and annual bluegrass are a problem, use 2.0 to 4.0 quarts per acre before weeds emerge and before rains.

PEAS
(Austrian Field)
Western Oregon: Direx 4L is recommended for control of certain weeds in Austrian field peas. Apply 1.2 to 1.6 quarts Direx 4L per acre as a broadcast spray with air or ground equipment as soon as possible after planting but before crop emerges for control of seedling stage weeds. Do not apply within 3 months of harvest. Do not treat plants growing less than 1" or taller than 24" from ground surface. Do not treat plants after flowers are open. In fields where lansquarters, pigweed and annual bluegrass are a problem, use 2.0 to 4.0 quarts per acre before weeds emerge and before rains.

PEACH
Direx 4L may be applied alone or as a tank mix with Sinbar. Where crop is grown under furrow irrigation or under raised-berm flood irrigation (trees 4 to 6 inches above water line), 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 is desired, additional weed control measures may be required during the growing season.

Direx 4L plus Sinbar: Use only under trees established in the orchard for at least 2 years. Apply 1.6 to 4.0 quarts per acre in the early spring before weeds emerge or during the early seedling stage of weed growth. Do not apply within 3 months of harvest. In the Far West, do not apply within 8 months of harvest. In Georgia: On trees established for at least 2 years, apply 1.6 to 2.4 quarts per acre in the spring. Repeat application in the fall but do not exceed 4.0 quarts per acre per year. Add surfactant to improve control of small, emerged weeds.

Direx 4L plus Sinbar: Use only under trees established in the orchard for at least 2 years. Apply 1.6 to 4.0 quarts per acre in the early spring before weeds emerge or during the early seedling stage of weed growth. Do not apply within 3 months of harvest. In the Far West, do not apply within 8 months of harvest. In Georgia: On trees established for at least 2 years, apply 1.6 to 2.4 quarts per acre in the spring. Repeat application in the fall but do not exceed 4.0 quarts per acre per year. Add surfactant to improve control of small, emerged weeds.

RATE/acre
1 to 2% Organic Matter
More Than 2% Organic Matter

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>Direx 4L Qts./Acre</th>
<th>Sinbar Lbs./Acre</th>
<th>Direx 4L Qts./Acre</th>
<th>Sinbar Lbs./Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sandy loam</td>
<td>0.8 + 1.0</td>
<td></td>
<td>1.2 + 1.5</td>
<td></td>
</tr>
<tr>
<td>Loam, Silt loam, Silt</td>
<td>1.2 + 1.5</td>
<td></td>
<td>1.6 + 2.0</td>
<td></td>
</tr>
<tr>
<td>Clay loam, Clay</td>
<td>1.6 + 2.0</td>
<td></td>
<td>1.6 + 2.0</td>
<td></td>
</tr>
</tbody>
</table>
PEANUT

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 from March through May. In the Far West, apply 3.2 quarts per acre to weeds less than 2 inches tall after planting or emergence after transplanting. Alternatively, apply Direx 4L first at 1.6 quarts per acre postharvest followed by 1.6 quarts per acre prior to budbreak.

PECAN

Use Direx 4L alone or as a tank mix 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 seeding stage of growth.

RATE/ACRE

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>Tank mix**</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soil mix*</td>
<td></td>
</tr>
<tr>
<td>Sandy loam</td>
<td>1.6 qts.</td>
</tr>
<tr>
<td>Clay loam, Clay</td>
<td>2.4 qts.</td>
</tr>
<tr>
<td>Silt, Silt loam</td>
<td>1.4 qts.</td>
</tr>
<tr>
<td>Clay, Clay</td>
<td>1.6 qts.</td>
</tr>
<tr>
<td>Sandy loam, Silt</td>
<td>2.4 qts.</td>
</tr>
<tr>
<td>Silt loam, Clay</td>
<td>2.4 qts.</td>
</tr>
</tbody>
</table>

*Note: Do not treat areas that are covered with fallow sod or roots are exposed, nor on trees that are diseased or are infested by wood boring insects or any other pests. Do not apply to shrubs, crops or other vegetation growing on subsoils or rocky areas as crop injury may result.

PEPPERMINT

Washington, Oregon, Idaho: Apply Direx 4L at 0.6 to 0.8 quarts per acre on soils having 1.0% to 2.0% organic matter. Apply Direx 4L at 0.8 to 1.6 quarts per acre on soils having 2.1 to 3.0% organic matter. Do not apply to soils having less than 1% organic matter.

Precautions:

Do not apply to stands of mint suffering from stress due to low fertility, dry season, 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.

PINEAPPLE

Hawaii: Apply 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 before planting but after harvesting the 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 0.1 to 0.3 quarts per acre. Do not use more than 2 quarts per acre per 100 gallons and apply as a directed spray.

Precautions:

Temporary leaf yellowing may occur following application. Do not apply more than 6 quarts per acre broadcast per year. For band application, reduce the above broadcast rates proportionately to the width of the band using the following formula:

\[
\text{Band width in inches} \times \text{Broadcast Rate} = \text{Band Rate Per Acre}
\]

Sorghum (Grain)

Do not spray over top of Sorghum.

Southwestern States: Apply 0.2 to 0.4 quarts per acre plus surfactant. Apply as a directed postemergence spray after sorghum is 15 inches tall to control weeds 2 to 4 inches in height. Use 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 these rates are used, a second application may be made if needed. Do not exceed 0.4 quarts per acre. Treatment of weeds under drought stress is usually ineffective. Do not replant treated areas to crops other than cotton or corn within 4 months following broadcast treatment as injury to subsequent crops may result.

SUGARCANE

To prevent possible crop injury on new cane varieties, test tolerance to Direx 4L prior to adoption as a field practice. Do not treat sugarcane growing on thinly covered sub-soils or rocky areas as crop injury may result. Temporary chlorosis and stunting 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 postemergence sprays.

Preemergence – Florida: For high organic soils, 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).

Postemergence – Florida: Make one or two applications of 1.6 quarts per acre as needed by directed spray inter-row. Alternatively, for panicum control, make up to three applications of 0.4 to 0.6 quarts per acre plus surfactant as a directed spray. Application over emerged cane has been made before but with panicum exceeds 2 inches in height. Adjust nozzles to spray beneath cane plants and between rows to cover weed foliage and microagitate contact on cane leaves before herbicide drift. Do not apply more than 4.8 quarts total per acre between planting (or ratooning) and harvest.

Hawaii: 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 the spray mixture at the rate of 1 to 2 quarts per 100 gallons and apply as a directed spray.

Puerto Rico: Plot 3.2 to 5.0 quarts per acre as a broadcast spray prior to weed emergence after planting or after harvesting plant or ratoon crop. A second and third application of 1.6 to 3.2 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 the spray mixture as a directed spray.

Do not apply more than three treatments nor more than 8 quarts per acre in Puerto Rico between planting (or ratooning) and harvest. Treated areas may be replanted to sugarcane or pineapple 1 year after last application.

Idaho, Oregon, Washington: Plot 3.2 to 5.0 quarts per acre as a broadcast spray prior to weed emergence after planting or after harvesting plant or ratoon crop. A second and third application of 1.6 to 3.2 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 the spray mixture as a directed spray.

Do not apply more than three treatments nor more than 8 quarts per acre in Idaho, Oregon, Washington. Do not treat under tree establishment or under trees growing in low areas as injury may result.

Soybean

Apply 3.0 to 5.0 quarts per acre as a broadcast spray before or immediately after planting but prior to weed emergence. Preemergence application controls weeds such as pigweed, crotalaria, morning glory, purslane, crabgrass, foxtail, goosegrass, fall panicum and sourgrass.

RED CLOVER

Western Oregon: Make a single application of 1.6 quarts per acre on established red clover stands at least 9 months old. Apply when red clover is dormant between October 15 through December 15. Do not apply to seedling red clover. Do not replant treated area to any crop within 1 year after last application as injury to subsequent crops may result.

Treatment will control annual weeds such as bluegrass, chickweed, hawkweed, rattlegrass, ragweed, ryegrass and velvetgrass.

TREE PLANTINGS

Colorado, Montana, Nebraska, North Dakota, South Dakota, Wyoming: Use only under established plantings 1 year or older of American elm, caragana, cottonwood, Douglas fir, Eastern Hemlock, hickory, honey locust, most poplar species, olive ash, olive elm, Siberian elm. Use 2.0 to 4.0 quarts per acre. Apply as a band 4 feet wide in the tree row (2 feet on each side of the row). For example, 1.6 ounces Direx 4L treats 135 feet of tree row (2 feet on each side of row) at the rate of 4.0 quarts per acre. Apply as a directed spray in early spring before weeds emerge and before trees leaf out. Do not apply to foliage of trees, nor under trees growing in low areas as injury may result.

Idaho, Oregon, Washington: Direx 4L is recommended for control of weeds to aid in the establishment of hybrid poplar plantings. Apply at 0.8 to 2.4 quarts per acre depending upon soil texture and organic matter content. Use 0.8 to 1.6 quarts per acre on coarse textured soils and 1.6 to 2.4 quarts per acre on medium to fine textured soils. Do not use on gravelly soils or on any soil having less than 0.5% organic matter as injury to trees may result. Injury may result from applications to poplar plantings grown on sandy soil with low organic matter with sprinkler irrigation. When applied in a band, the application rate will be in proportion to the area bordered on a per acre basis.

Apply in late winter or early spring as a uniform broadcast spray before or after planting. Before application to bud swell, or as a directed spray at bud swell. Apply before emergence or after emergence and before leaves are fully expanded. Do not apply to trees. To apply Direx 4L into the weed root zone before weeds become well established. If weeds are present at time of treatment, add a surfactant at 1 to 2 quarts per 100 gallons of spray solution.
**Pre-plant:** Take precautions to prevent treated soil (usually top 1 inch) from coming into contact with roots of trees during the planting process as injury may result.

**Post-plant (broadcast):** It is best to wait until rain or irrigation has settled the soil around the trees before applying Direx 4L. If trees are dormant, a broadcast application can be made.

**Post-plant (directed):** If burs have started to swell, use a directed spray pattern that prevents Direx 4L from contact with trees as injury may result. During the growing season (from bud swell to leaf drop) Direx 4L may be applied (alone or with tank mix) between tree rows in shielded and directed sprays. Direx 4L can be tank mixed with a glyphosate herbicide (Roundup Pro Herbicide, Roundup or Ortho Corp Glyphosate Original Herbicide) pre-plant and as a directed spray to broaden the spectrum of weeds controlled and improve post-emergence activity. Use 0.8 to 2.4 quarts Direx 4L plus glyphosate herbicide (according to label recommendations) depending upon soil type and weeds to be controlled. Note: There are several formulations of glyphosate herbicide. Check the glyphosate herbicide label to verify that the intended use as a pre-plant or post-directed spray on hybrid poplar plantations is allowed. Avoid contact of glyphosate herbicides with foliage, stems, trees or other desirable vegetation because severe damage or destruction may result.

**WALNUT (English)**

California, Oregon, Washington – Use only under trees established in orchards for at least 1 year. As an initial treatment, apply 2.4 to 4.0 quarts per acre after the orchard has been laid-up in final form (non-tillage program) in late fall or early winter. Retreat annually with 1.6 to 2.4 quarts per acre. Alternatively, apply 1.6 quarts per acre in October or November and repeat at the same rate in March or April. Do not use on sand, loamy sand, gravelly soils or exposed sub-soils, nor where organic matter is less than 1%. Do not graze livestock in treated orchards and groves.

**WHEAT (Winter)**

Precautions: Crop injury may result where severe winter stress, disease or insect damage follows application. Winter-sensitive varieties may be less tolerant of Direx 4L than winter-hardy varieties. Crop injury may result from the following: Do not use on sand or loamy sand soils, nor on gravelly or sandy loams with less than 1% organic matter. Do not use on thinly covered or exposed sub-soil areas. Early planting may delay treatment of early winter hardy varieties. Do not treat wheat planted less than 1 inch deep. Do not treat wheat where winter climate 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 specified otherwise, do not use with surfactants, or nitrogen solution. Do not replant treated areas to any other crop within 1 year after last treatment (except as noted) as injury to subsequent crops may result.

Idaho, Oregon, Washington – East of Cascade Range: 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. 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 Direx 4L plus 0.25 pound bromoxynil as a pre-emergence herbicide for an extended period of control. Where average annual rainfall is 10 to 16 inches, 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 weeds are 2 inches tall. Application later than March 1 may give poor results. 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 before April 1 and only after deep discing and plowing to a depth of 4 to 6 inches prior to planting. Do not make a second application during the same crop year or injury to the crop may result.

Oregon, Washington – West of Cascade Range: Make a single application of 1.2 to 1.6 quarts per acre only on non-tillage programs. Do not apply 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.

**Other Areas of Oregon and Washington:** Make a single application in the spring as soon as wheat has covered the soil and silt loam soils and 1.2 to 1.6 quarts per acre on clay, clay loam and silt loam soils.

Kansas, Oklahoma, Texas: Do not use on sand or sandy loam soils. Use 0.8 quart per acre on silt and silt loam soils and 1.2 to 1.6 quarts per acre on clay, clay loam and silty clay loam soils.

Central Plains, Midwest: Use 0.8 to 1.6 quarts per acre.

Northeast: Use 0.8 to 1.2 quarts per acre.

**NON-CROP WEED CONTROL**

Direx 4L is an effective herbicide for the control of listed weeds. The degree of control and duration of effect will vary with amounts of chemical applied, soil texture, rainfall and other conditions. Direx 4L may be used as a pre-emergence treatment at any time before weeds are 3 to 4 inches tall. Treatment after fall planting, provided adequate moisture is supplied by rainfall or artificial means to activate the herbicide. Best results are obtained if 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 by the addition of a non-ionic surfactant. Apply as a drenching spray to actively growing weeds during warm weather when daily temperature will exceed 70°F.

Use a fixed-boom power sprayer properly calibrated to insure a constant rate of application. Mix proper amount of Direx 4L into volume of water necessary to obtain uniform coverage. If a surfactant is used, dilute with ten parts of water and add as last ingredient to nearly full tank. Direx 4L must be kept in suspension at all times. Agitate by mechanical or hydraulic means in the spray tank. If bypass or return line is used, it should terminate at bottom of tank to minimize foaming. Use 50 mesh screen or larger.

**General Weed Control:** To control most annual weeds for an extended period of time on non-cropland such as utility, highway, pipeline and railroad right of ways, on farmyards, orchards, gardens and similar areas, industrial plant sites, around farm buildings and similar areas apply 4 to 12 quarts per acre to control annual weeds including:

**Broadleaves**

4 to 12 quarts/acre

- Ageratum
- Chickweed
- Cocklebur
- Corn Speedwell
- Corn Spurry
- Dogfennel
- Fiddleneck
- Flax
- Flora’s Paintbrush
- Gromwell
- Groundcherry, Annual
- Hawsbeard
- Horsenettle
- Knesawl

**Grasses**

4 to 6.4 quarts/acre

- Barnyardgrass (Watergrass)
- Bluegrass, Annual
- Crabgrass
- Foxtail
- Johnsonsgrass (Seedling)
- Guineagrass
- Maidencane
- Panicagrass

Irrigation and drainage ditches: Apply 4 to 12 quarts per acre to control most annual weeds as shown above. Apply only when water is not in the ditch. For irrigation ditches, apply during the non-crop season and when the ditch is not in use.

**WARRANTY STATEMENT**

GRIFFIN warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with the directions under normal use conditions. It is understood and agreed that all risks inherent or associated with use of this product, Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials or the manner of use or application, all of which are beyond the control of GRIFFIN. In no case shall GRIFFIN be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. The exclusive remedy of any buyer for any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall not exceed the purchase price paid for this product or at GRIFFIN’S election, the replacement of this product. GRIFFIN MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

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