

53883-114

03/20/2003

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:

53883-114

Date of Issuance:

MAR 20 2003

NOTICE OF PESTICIDE:

- Registration
- Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

DGA 4 Herbicide

Name and Address of Registrant (include ZIP Code):

Control Solutions, Inc.
5903 Genoa-Red Bluff
Pasadena, TX 77507-1041

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit data.
2. Make the following label changes listed below before you release the product for shipment:
 - a. Add the phrase, "EPA Reg. No. 53883-114".

Signature of Approving Official:

Date:

MAR 20 2003

b. The front panel statement states "See inside booklet for complete precautionary statements....". 40 CFR 156.10(a)(2)(i) states that all words, statements, graphic representations, designs or other information required on the labeling by the Act or the regulations must be clearly legible to a person with normal vision and must be placed with such conspicuousness and expressed in such terms to render it likely to be read and understood by ordinary individual under **customary conditions of purchase** and use. 40 CFR 156.10(i)(1)(ii) states that only the directions for use may appear on printed or graphic matter which accompanies the pesticide. When preparing final printed labeling assure that the first aid and precautionary statements and other required text appear on the container label or otherwise can be read during purchase or formally submit a request for a size exemption from the regulations.

c. At the beginning of the list of Personal Protective Equipment (PPE) within the Precautionary Statements, add the statements "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-resistance category selection chart." In addition, revise the requirement for "waterproof gloves" to a requirement for "chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride."

d. Within the list of PPE for early re-entry in the Agricultural Use Requirements box, revise the requirement for "waterproof gloves" to a requirement for "chemical-resistant gloves made of any waterproof material."

e. In the Environmental Hazards Section delete "Keep out of lakes, streams and ponds" and "For terrestrial uses,". Refer to PR Notice 93-8. This statement is only appropriate for pesticides which bear directions for direct application to aquatic sites.

f. On page 18 for the Bronate Tank Mix correct the typographical error to read 1.5 pints.

3. Submit one (1) copy of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

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If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

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

Enclosure

DGA 4 Herbicide

For weed control in asparagus, conservation reserve programs, corn, cotton, fallow croplands, general farmstead (noncropland), sorghum, grass grown for seed, hay, proso millet, pasture, rangeland, small grains, soybean, sugarcane, and turf.

Active Ingredient:

Diglycolamine salt of 3,6-dichloro-o-anisic acid* 56.8%

Inert Ingredients: 43.2%

Total: 100.0%

*contains 38.5% 3,6-dichloro-o-anisic acid (4 pounds acid equivalent per gallon or 48 ounces per liter).

**ACCEPTED
with COMMENTS
In EPA Letter Dated:
MAR 20 2003**

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

(See inside booklet for complete Precautionary Statements and Directions)

Under the Federal Insecticide, Fungicide, and Rodenticide Act, this pesticide is registered under EPA Reg. No. 52865-114

Net Contents: _____

FIRST AID	
If Swallowed:	<ul style="list-style-type: none"> • 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 to an unconscious person.
If on Skin or Clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor or going for treatment.	

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION: Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

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

Engineering Controls Statement

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

User Safety Recommendations
<p>Users should:</p> <ul style="list-style-type: none"> • Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. • Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. • Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

~~Keep out of lakes, streams, or ponds.~~ For terrestrial uses, 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 disposing of equipment washwaters. Apply this product only as directed on the label.

This chemical is known to leach through soil into ground water under certain conditions as a result of agricultural use agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

Ground and Surface Water Protection

Point source contamination: To prevent point source contamination, do not mix, load this pesticide product within 50 feet of wells (including abandoned wells and drainage wells), sink holes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs. Do not apply pesticide product within 50 feet of wells. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas as described below.

Mixing, loading, rinsing, or washing operations performed within 50 feet of a well are allowed only when conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be on or move across the pad. The pad must be self-contained to prevent surface water flow over or from the pad. The pad capacity must be maintained at 110% that of the largest pesticide container or application equipment used on the pad and have sufficient capacity to contain all product spills, equipment or container leaks, equipment wash waters, and rainwater than may fall on the pad. The containment capacity does not apply to vehicles delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding wellhead setbacks and operational containment.

Care must be taken when using this product to prevent: a) back-siphoning into wells, b) spills or c) improper disposal of excess pesticide, spray mixtures or rinsates. Check valves or antisiphoning devices must be used on all mixing equipment.

Movement by water erosion of treated soil: Do not apply under conditions which favor runoff. Do not apply to impervious substrates such as paved or highly compacted surfaces in areas with high potential for ground water contamination. Ground water contamination may occur in areas where soils are permeable or coarse and ground water is near the surface. Do not apply to soils classified as sand with less than 3% organic matter and where ground water depth is shallow. To minimize the possibility of ground water contamination, carefully follow application rate recommendations as affected by soil type in the general information section of this label.

Movement by water erosion of treated soil: Do not apply or incorporate this product through any type of irrigation equipment nor by flood or furrow irrigation. Ensure treated areas have received at least one-half inch rainfall (or irrigation) before using tailwater for subsequent irrigation of other fields.

Endangered Species Concerns

The use of any pesticide in a manner that may kill or otherwise harm an endangered species or adversely modify their habitat is a violation of federal law.

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. Unless otherwise directed in supplemental labeling, all applicable directions, restrictions, precautions, and **Conditions of Sale and Warranty** are to be followed. This labeling must be in the user's possession during application.

Agricultural Use Requirements
<p>Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:</p> <ul style="list-style-type: none"> • Coveralls • Waterproof Gloves • Shoes plus socks

Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. This product may not be mixed, loaded, or used within 50 feet of all wells including abandoned wells, drainage wells, and sinkholes.

Pesticide Storage: Groundwater contamination may be reduced by diking and flooring of permanent liquid bulk storage sites with an impermeable material. Store in original container in a well-ventilated area separately from fertilizer, feed, and foodstuffs. Avoid cross-contamination with other pesticides.

Pesticide Disposal: Wastes resulting from this product may be disposed of on site or at an approved waste disposal facility.

Pesticide, spray mixture, or rinsate that cannot be used according to label instructions must be disposed of according to federal, state, or local procedures under Subtitle C of the Resource Conservation and Recovery Act. Improper disposal of excess pesticide, spray mix, or rinsate is a violation of federal law.

Container Disposal:

- **Plastic or Metal Containers:** Triple rinse (or equivalent) and add rinsate to spray tank. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.
- **Bulk/Mini-bulk Containers:** Reusable containers should be returned to the point of purchase for cleaning and refilling because the container must be thoroughly cleaned before refilling.

In Case of Spill

In case of large-scale spillage regarding this product call:
CHEMTREC 800-424-9300

Steps to be taken in case material is released or spilled:

Dike and contain the spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal. Remove contaminated clothing, and wash affected skin areas with soap and water. Wash clothing before re-use. Keep the spill out of all sewers and open bodies of water.

I. General Information

DGA 4 herbicide is a water-soluble formulation intended for control and suppression of many annual, biennial, and perennial broadleaf weeds as well as woody brush and vines listed in **Table 1**. **DGA 4** may be used for control of these weeds in asparagus, corn, cotton, conservation reserve programs, fallow cropland, grass grown for seed, hay, proso millet, pasture, rangeland, general farmstead (noncropland), small grains, sorghum, soybean, sugarcane, and turf.

Mode of Action

DGA 4 is readily absorbed by plants through shoot and root uptake, translocates throughout the plant's system, and accumulates in areas of active growth. **DGA 4** interferes with the plant's growth hormones (auxins) resulting in death of many broadleaf weeds.

Resistance Management

DGA 4 has a low probability of selecting for resistant weed biotypes.

Cleaning Spray Equipment

Clean application equipment thoroughly by using a strong detergent or commercial sprayer cleaner according to the manufacturer's directions and then triple rinsing the equipment before and after applying this product.

Table 1. General Weed List, Including ALS- and Triazine-Resistant Biotypes

<u>ANNUALS</u>		<u>PERENNIALS</u>	<u>WOODY SPECIES</u>
Alkanet	Pineappleweed	Alfalfa ¹	Alder
Amaranth, Palmer, Powell, Spiny	Poorjoe	Artichoke, Jerusalem	Ash
Aster, Slender	Poppy, Red-horned	Aster, Spiny, Whitehealth	Aspen
Bedstraw, Catchweed	Puncturevine	Bedstraw, Smooth	Basswood
Beggarweed, Florida	Purslane, Common	Bindweed, Field, Hedge	Beech
Broomweed, Common	Pusley, Florida	Blueweed, Texas	Birch
Buckwheat, Tartary, Wild	Radish, Wild	Bursage, Woollyleaf ¹ (Bur Ragweed, Povertyweed)	Blackberry ²
Buffalobur	Ragweed, Common, Giant (Buffaloweed), Lance-Leaf	Buttercup, Tall	Blackgum ²
Burclover, California	Rocket, London, Yellow	Campion, Bladder	Cedar ²
Burcucumber	Rubberweed, Bitter (Bitterweed)	Chickweed, Field, Mouseear	Cherry
Buttercup, Corn, Creeping Roughseed, Western Field	Salsify	Chicory ¹	Chinquapin
Carpenterweed	Senna, Coffee	Clover ¹ , Hop	Cottonwood
Catchfly, Nightflowering	Sesbania, Hemp	Dandelion ¹	Creosotebush ²
Chamomile, Corn	Shepherdspurse	Dock ¹ , Broadleaf (Bitterdock), Curly	Cucumbertree
Chervil, Bur	Sicklepod	Dogbane, Hemp	Dewberry ²
Chickweed, Common	Sida, Prickly (Teaweed)	Donfennel ¹ (Cypressweed)	Dogwood ²
Clovers	Smartweed, Green, Pennsylvania	Fern, Bracken	Elm
Cockle, Corn, Cow, White	Sneezeweed, Bitter	Garlic, Wild	Grape
Cocklebur, Common	Sowthistle, Annual, Spiny	Goldenrod, Canada, Missouri	Hawthorn (Thornapple) ²
Copperleaf, Hophornbeam	Spanish Needles	Goldenweed, Common	Hemlock
Cornflower (Bachelor Button)	Spikeweed, Common	Hawkweed	Hickory
Croton, Tropic, Wooly	Spurge, Prostrate, Leafy	Henbane, Black ¹	Honeylocust
Daisy, English	Spurry, Corn	Horsenettle, Carolina	Honeysuckle
Dragonhead, American	Starbur, Bristly	Ironweed	Hornbeam
Eveningprimrose, Cutleaf	Starwort, Little	Knapweed, Black, Diffuse, Russian ¹ , Spotted	Huckleberry
Falseflax, Smallseed	Sumpweed, Rough	Milkweed, Climbing, Common, Honeyvine, Western Whorled	Huisache
Fleabane, Annual	Sunflower, Common (Wild), Volunteer	Nettle, Stinging	Ivy, Poison
Flixweed	Thistle, Russian	Nightshade, Silverleaf (White Horsenettle)	Kudzu
Fumitory	Velvetleaf	Onion, Wild	Locust, Black
Goosefoot, Nettleleaf	Waterhemp	Plantain, Broadleaf, Buckhorn	Maple
Hempnettle	Waterprimrose, Winged	Pokeweed	Mesquite
Henbit	Wormwood	Ragweed, Western	Oak
Jacobs-Ladder	BIENNIALS	Redvine	Oak, Poison
Jimsonweed	Burdock, Common	Sericia Lespedeza	Olive, Russian
Knawel (German Moss)	Carrot, Wild (Queen Anne's Lace)	Smartweed, Swamp	Persimmon, Eastern
Knotweed, Prostrate	Cockle, White	Snakeweed, Broom	Pine
Kochia	Eveningprimrose, Common	Sorrel ¹ , Red (Sheep Sorrel)	Plum, Sand (Wild Plum) ²
Ladysthumb	Geranium, Carolina	Sowthistle ¹ , Perennial	Poplar
Lambsquarters, Common	Gromwell	Spurge, Leafy	Rabbitbrush
Lettuce, Miners, Prickly	Knapweed, Diffuse, Spotted	Sundrop	Redcedar, Eastern ²
Mallow, Common, Venice	Mallow Dwarf	Thistle, Canada, Scotch	Rose ² , McCartney, Multiflora
Marestail (Horseweed)	Plantain, Bracted	Toadflex, Dalmation	Sagebrush, Fringed ²
Mayweed	Ragwort, Tansy	Tropical Soda Apple	Sassafras
Morningglory, Ivyleaf, Tall	Starthistle, Yellow	Trumpet creeper (Buckvine)	Serviceberry
Mustard, Black, Blue, Tansy, Treacle, Tumble, Wild, Yellowtops	Sweetclover	Vetch	Spicebush
Nightshade, Black, Cutleaf	Teasel	Waterhemlock, Spotted	Spruce
Pennycress, Field (Fanweed, Frenchweed, Stinkweed)	Thistle, Bull, Milk, Musk, Plumeless	Waterprimrose, Creeping	Sumac
Pepperweed, Virginia (Peppergrass)		Woodsorrel ¹ , Creeping, Yellow	Sweetgum ²
Pigweed, Prostrate, Redroot (Carelessweed), Rough, Smooth, Tumble		Wormwood, Louisiana	Sycamore
		Yankee weed	Tarbrush
		Yarrow, Common ¹	Willow
			Witchazel
			Yaupon ²
			Yucca ²

¹ Noted perennials may be controlled using lower rates of DGA 4 than those recommended for other listed perennial weeds. ² Growth suppression only

II. Application Instructions

DGA 4 can be applied to actively growing weeds as aerial, broadcast, band, or spot spray applications using water or sprayable fertilizer as a carrier. For general **DGA 4** application rates for control or suppression by weed type and growth stage see **Table 2**. For crop-specific application timing and other details, refer to section **VI. Crop-Specific Information**.

To avoid uneven spray coverage, **DGA 4** should not be applied during periods of gusty wind or when wind is in excess of 15 mph.

Avoid off-target movement. Use extreme care when applying **DGA 4** to prevent injury to desirable plants and shrubs.

Cultivation

Do not cultivate within 7 days after applying **DGA 4**.

Sensitive Crop Precautions

DGA 4 herbicide may cause injury to desirable trees and plants, particularly beans, cotton, flowers, fruit trees, grapes, ornamentals, peas, potatoes, soybeans, sunflowers, tobacco, tomatoes, and other broadleaf plants when contacting their roots, stems, or foliage. These plants are most sensitive to **DGA 4** during their development or growing stage.

*Use coarse sprays (volume median diameter of 400 microns or more) to avoid potential herbicide drift. Select nozzles that are designed to produce minimal amounts of fine spray particles (less than 200 microns). Examples of nozzles designed to produce coarse sprays via ground applications are **Delavan® Raindrops, Spraying Systems XR** (excluding 110° tips) flat fans, **Turbo Teejets®**, **Turbo Floodjets®**, or large capacity flood nozzles such as D10, TK10, or greater capacity tips. Keep the spray pressure at or below 20 psi and the spray volume at or above 20 gallons per acre, unless otherwise required by the manufacturer of drift-reducing nozzles. Consult your spray nozzle supplier concerning the choice of drift-reducing nozzles.

- Agriculturally approved drift-reducing additives may be used.

Aerial Application Methods and Equipment

Water Volume: Use 1-10 gallons of water per acre (2-20 gallons of diluted spray per treated acre for preharvest uses). Use the higher spray volume when treating dense or tall vegetation.

Application Equipment: Select nozzles designed to produce minimal amounts of fine spray particles. Make aerial applications at the lowest safe height to reduce exposing the spray to evaporation and wind. The applicator must follow the most restrictive use cautions to avoid drift hazards, including those found in this labeling as well as applicable state and local regulations and ordinances.

Do not use aerial equipment if spray particles can be carried by the wind into areas where sensitive crops or plants are growing or when temperature inversions exist.

Ground Application (Banding)

When applying **DGA 4 herbicide** by banding, determine the amount of herbicide and water volume needed using the following formula:

$$\frac{\text{Bandwidth in inches}}{\text{Row width in inches}} \times \text{Broadcast rate per Acre} = \text{Banding herbicide rate per acre}$$

$$\frac{\text{Bandwidth in inches}}{\text{Row width in inches}} \times \text{Broadcast volume per Acre} = \text{Banding herbicide rate per acre}$$

Ground Application (Broadcast)

Water Volume: Use 3-50 gallons of spray solution per broadcast acre for optimal performance. Use the higher spray volume when treating dense or tall vegetation.

Application Equipment: Select nozzles designed to produce minimal amounts of fine spray particles. Spray with nozzles as close to the weeds as is practical for good weed coverage.

Ground Application (Wipers)

DGA 4 may be applied through wiper application equipment to control or suppress actively growing broadleaf weeds, brush, and vines. Use a solution containing 1 part **DGA 4** to 1 part water. Do not contact desirable vegetation with herbicide solution. Wiper application may be made to crops (including pastures) and non-cropland areas described in this label with the exception of cotton, sorghum, and soybean.

III. Additives

To improve postemergence weed control, agriculturally approved surfactants, sprayable fertilizers (urea ammonium nitrate, or ammonium sulfate), or crop oil concentrate may be added, particularly in dry growing conditions. (Refer to **Table 3 Additive Rate.**)

Nitrogen Source

- **Urea ammonium nitrate (UAN):** Use 2-4 quarts of UAN (commonly referred to as 28%, 30%, or 32% nitrogen solution) per acre. Do not use brass or aluminum nozzles when spraying UAN.
- **Ammonium sulfate (AMS):** AMS at 2.5 pounds per acre may be substituted for UAN. Use high-quality AMS (spray grade) to avoid plugging of nozzles. Other sources of nitrogen are not as effective as those mentioned. BASF does not recommend applying AMS if applied in less than 10 gallons per acre because of potential problems with precipitation in reduced volumes. Use AMS only if it has been demonstrated to be successful in local experience.

Table 2. General DGA 4 Application Rates for Control or Suppression by Weed Type and Growth Stage- Use rate limitations are given in section V & VI. **Crop- Specific Information.**

Weed Type and Stage	Rate per Acre	Weed Type and Stage	Rate per Acre
Annual¹		Perennial	
Small, actively growing.	8-16 fluid ounces	Top growth suppression.	8-16 fluid ounces
Established weed growth.	16-24 fluid ounces	Top growth control and root suppression.	16-32 fluid ounces
Biennial		Noted perennials (footnote 1 in Table 1).	32-64 fluid ounces
Rosette diameter 1-3".	8-16 fluid ounces	Other perennials ³	64 fluid ounces
Rosette diameter 3" or more.	16-32 fluid ounces	Woody Brush & Vines	
Bolting	32-48 fluid ounces	Top growth suppression	16-32 fluid ounces
		Top growth control ^{2,3}	32-64 fluid ounces
		Stems and stem suppression	64 fluid ounces
¹ Rates below 8 fluid ounces per acre may provide control or suppression but should typically be applied with other herbicides that are effective on the same species and biotype. ² Species noted in Table 2 will require tank mixes for adequate control. ³ Do not broadcast apply more than 64 fluid ounces per acre. Use the higher level of listed rate ranges when treating dense vegetative growth or perennial weeds with well established root growth.			

Nonionic Surfactant

The standard label recommendation is 1 pint of an 80% active nonionic spray surfactant per 100 gallons of water. For certain weeds, a higher spray surfactant rate is recommended.

Oil Concentrate

A crop oil concentrate must contain either a petroleum or vegetable oil base and must meet all of the following criteria:

- Be nonphytotoxic,
- Contain only EPA-exempt ingredients,
- Provide good mixing quality in the jar test, and

- Be successful in local experience.

The exact composition of suitable products will vary; however, vegetable and petroleum oil concentrates should contain emulsifiers to provide good mixing quality. Highly refined vegetable oils have proven more satisfactory than unrefined vegetable oils.

For additional information, see **Compatibility Test for Mix Components**.

Adjuvants containing crop oil concentrates may be used in preplant, pre-emergence, and preharvest applications as well as in pastures and noncropland. Do not use crop oil concentrate for postemergence in-crop applications unless specifically allowed in section **VI. Crop-Specific Information** of this label.

Table 3. Additive Rate Per Acre

Additive	Rate Per Acre
Nonionic Surfactant	1-2 Pints per 100 gallons
AMS	2.5 pounds
UAN Solution	2 - 4 quarts
Crop Oil Concentrate	1 quart*

*see manufacturer's label for specific rate recommendations

Compatibility Test for Mix Components

Before mixing components, always perform a compatibility jar test.

For 20 gallons per acre spray volume, use 3.3 cups (800 ml) of water. For other spray volumes, adjust accordingly. Only use water from the intended source at the source temperature.

Add components in the sequence indicated in the **Mixing Order** using 2 teaspoons for each pound or 1 teaspoon for each pint of recommended label rate per acre.

Always cap the jar and invert 10 cycles between component additions.

When the components have all been added to the jar, let the solution stand for 15 minutes.

Evaluate the solution for uniformity and stability. The spray solution should not have free oil on the surface, nor fine particles that precipitate to the bottom, nor thick (clabbered) texture. If the spray solution is not compatible, repeat the compatibility test with the addition of a suitable compatibility agent. If the solution is then compatible, use the compatibility agent as directed on its label. If the solution is still incompatible, do not mix the ingredients in the same tank.

Mixing Order

1. **Water.** Begin by agitating a thoroughly clean sprayer tank three-quarters full of clean water.
2. **Agitation.** Maintain constant agitation throughout mixing and application.
3. **Inductor.** If an inductor is used, rinse it thoroughly after each component has been added.
4. **Products in PVA bags.** Place any product contained in water-soluble PVA bags into the mixing tank. Wait until all water-soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
5. **Water-dispersible products** (dry flowable, wettable powders, suspension concentrates, or suspo-emulsions).
6. **Water-soluble products.** (such as **DGA 4 herbicide**)
7. **Emulsifiable concentrates** (such as oil concentrate when applicable).
8. **Water-soluble additives** (such as AMS or UAN when applicable).
9. **Remaining quantity of water.**

Maintain constant agitation during application.

IV. General Tank Mixing Information

Tank Mix Partners/ Components

The herbicide products listed may be applied with **DGA 4 herbicide** according to the specific tank mixing instructions in this label and respective product labels.

See section VI. **Crop-Specific Information** for more details. Read and follow the applicable **Restrictions and Limitations** and **Directions for Use** on all products involved in tank mixing. The most restrictive labeling applies to tank mixes.

DGA 4 may also be used in tank mixtures with foliar applied insecticides including synthetic pyrethroids such as **Ambush®**, **Asana®**, **Pounce®**, and **Warrior®** or with the carbamate insecticide **Furadan®**. Do not apply **DGA 4** in tank mixtures with **Lorsban®** insecticide. Physical incompatibility, reduced weed control, or crop injury may result from mixing **DGA 4** with other pesticides (fungicides, herbicides, insecticides, or miticides), additives, or fertilizers. BASF does not recommend using tank mixes other than those listed of BASF labeling. Local agricultural authorities may be a source of information when using other than BASF recommended tank mixes.

Accent® (nicosulfuron)
Acquire™ (glyphosate)
Ally® (metsulfuron)
Amber® (triasulfuron)
Asulox® (asulam)
Atrazine
Axiom™ (flufenacet + metribuzin)
Banvel®SGF (dicamba)
Basagran® (bentazon)
Beacon® (primisulfuron-methyl)
Bicep II Magnum® (2-metolachlor + atrazine)
Bladex® (cyanazine)
Bronate® (bromoxynil + MCPA)
Bronco® (alachlor + glyphosate)
Buctril® (bromoxynil)
Bullet® (alachlor + atrazine)
Canvas® (thifensulfuron + tribenuron + metsulfuron)
Caparol® (prometryn)
Crossbow® (2,4-D + triclopyr)
Curtail® (clopyralid + 2,4-D)
Cyclone® (paraquat)
Dakota® (fenoxaprop + MCPA)
Degree™ (acetochlor)
Degree Xtra™ (acetochlor + atrazine)
DoublePlay® (acetochlor + EPTC)
Dual Magnum™ (s-metolachlor)
Dual II Magnum™ (s-metolachlor + atrazine)
Eradicane® (EPTC)
Evik® (ametryn)
Exceed® (primisulfuron + prosulfuron)
Express® (thifensulfuron + tribenuron-methyl)
Extrazine®II (cyanazine + atrazine)
Fallow Master® (glyphosate + dicamba)
Field Master™ (glyphosate + atrazine + glyphosate)
Finesse® (chlorsulfuron + metsulfuron-methyl)
Frontier® (dimethenamid)
FulTime™ (acetochlor + atrazine)
Garlon® (triclopyr)
Glean® (chlorsulfuron)
Gramoxone® Extra (paraquat)
Guardman® (dimethenamid + atrazine)
Harmony® Extra (thifensulfuron + tribenuron-methyl)
Harness® (acetochlor)
Harness® Xtra (acetochlor + atrazine)
Hornet™ (flumetsulam + clopyralid)
Karmex® (diuron)
Kerb® (pronamide)
Laddok® S-12 (bentazon + atrazine)
Landmaster® BW (glyphosate + 2,4-D)
Lariat® (alachlor + atrazine)
Lasso® (alachlor)
Lexone® (metribuzin)
Liberty® (glufosinate)
Lightning® (imazethapyr + imazapyr)
Marksman® (dicamba + atrazine)
MCPA
Outlook™ (dimethenamid-P)
Paramount® (quinclorac)
Partner® (alachlor)
Peak® (prosulfuron)
Permit® (halosulfuron)
Princep® (simazine)
Prowl® (pendimethalin)
Python™ (flumetsulam)
Ramrod® (propachlor)
Roundup Ultra® RT (glyphosate)
Sencor® (metribuzin)
Spirit™ (primisulfuron)
Stinger® (clopyralid)
Surpass® (acetochlor)
Sutan® + (butylate)
Tiller® (fenoxapropethyl + MCPA + 2,4-D)
TopNotch™ (acetochlor)
Tordon™ 22K (picloram)
Touchdown® (sulfosate)
Tough® (pyridate)
 2,4-D

V. Restrictions and Limitations

- **Maximum seasonal use rate:** Refer to **Table 4** for crop-specific maximum seasonal use rates. Do not exceed **64 fluid ounces of DGA 4 herbicide** (2 pounds acid equivalent) per acre, per year.
- **Preharvest Interval (PHI):** Refer to section **VI. Crop-Specific Information** for preharvest intervals.
- **Restricted Entry Interval (REI): 24 hours**
- **Crop Rotational Restrictions:**
The interval between application and planting rotational crop is given below. Always exclude counting days when the ground is frozen. Planting at intervals less than specified below may result in crop injury. Moisture is essential for the degradation of this herbicide in soil. If dry weather prevails, use cultivation to allow herbicide contact with moist soil.
- **Planting/replanting restrictions for DGA 4 applications of 24 fluid ounces per acre or less:** No rotational cropping restrictions apply at 120 days or more following application. Additionally, for annual crop uses in this label including corn, cotton, sorghum, and soybean, follow the preplant use directions in section **VI. Crop-Specific Information**. For barley, oat, wheat, and other grass seedings, the interval between application and planting is 15 days per 8 fluid ounces per acre applied east of the Mississippi River.
- **Planting/replanting restrictions for applications of more than 24 fluid ounces and up to 64 fluid ounces of DGA 4 per acre:** Corn, sorghum, cotton (east of the Rocky Mountains) and all other crops grown in areas with 30" or more of annual rainfall may be planted 120 days or more after application. Barley, oat, wheat, and other grass seedings, may be planted if the interval from application to planting is 30 days per 16 fluid ounces per acre east of the Mississippi River and 45 days per 16 fluid ounces per acre west of the Mississippi River. For all other crops in areas with less than 30" of annual rainfall, the interval between application and planting is 180 days or more..
- **Rainfast period:** Rainfall or irrigation occurring within **4 hours** after postemergence applications may reduce the effectiveness of **DGA 4**.
- **Stress:** Do not apply to crops under stress due to lack of moisture, hail damage, flooding, herbicide injury, mechanical injury, insects, or wildly fluctuating temperatures as injury may result.
- Do not apply through any type of irrigation equipment. Do not treat irrigation ditches or water used for crop irrigation or domestic purposes.

Table 4. Crop Specific Restrictions and Limitations¹

Crop ²	Maximum Rate Per Acre of Application	Maximum In-Crop Rate per Acre Per Season	Livestock Grazing or Feeding	Aircraft Application Allowed
Asparagus	16 fluid ounces	16 fluid ounces	Yes	Yes
Barley, Fall	8 fluid ounces	12 fluid ounces	Yes	Yes
Spring	8 fluid ounces	11 fluid ounces		
Corn	16 fluid ounces	24 fluid ounces	Yes ²	Yes
Cotton	8 fluid ounces	8 fluid ounces	Yes	Yes
Fallow Ground	64 fluid ounces	64 fluid ounces	Yes	Yes
Grass grown for seed	64 fluid ounces	64 fluid ounces	Yes	Yes
Proso Millet	4 fluid ounces	4 fluid ounces	Yes	Yes
Pastureland	32 fluid ounces	32 fluid ounces	Yes	Yes
Conservation Reserve Program (CRP)	64 fluid ounces	64 fluid ounces	Yes	Yes
Oats	4 fluid ounces	4 fluid ounces	Yes	Yes
Sorghum	8 fluid ounces	16 fluid ounces	Yes	Yes
Soybean	64 fluid ounces	64 fluid ounces	Yes	Yes
Sugarcane	64 fluid ounces	64 fluid ounces	Yes	Yes
Turf	32 fluid ounces	32 fluid ounces	Yes	Yes
Triticale	4 fluid ounces	4 fluid ounces	Yes	Yes
Wheat	8 fluid ounces	16 fluid ounces	Yes	Yes

¹Refer to section VI. Crop-Specific Information for more details.

²Once the crop reaches the ensilage (milk) stage or later in maturity.

VI. Crop-Specific Information

Asparagus

Apply **DGA 4 herbicide** to emerged and actively growing weeds in 40 - 60 gallons of diluted spray per treated acre immediately after cutting the field, but at least 24 hours before the next cutting. Multiple applications may be made per growing season. If spray contacts emerged spears, crooking (twisting) of some spears may result. If such crooking occurs, discard affected areas.

Rates: Apply 8-16 fluid ounces of **DGA 4** to control annual Sowthistle, black mustard, Canada and Russian thistle, and redroot pigweed, (carelessweed). Apply 16 fluid ounces of **DGA 4** to control common chickweed, field bindweed, nettleleaf goosefoot, and wild radish. Multiple applications may be made per growing season. Do not exceed a total of 16 fluid ounces of **DGA 4** per treated acre, per crop year. Do not harvest prior to 24 hours after treatment. Do not use in the Coachella Valley of California.

Asparagus Tank Mixes

Apply 8-16 fluid ounces of **DGA 4** with glyphosate (**Roundup® Ultra**) or 2,4-D to improve control of Canada thistle and field bindweed.

Between Crop Applications

PREPLANT DIRECTIONS (POSTHARVEST, FALLOW, CROP STUBBLE, SET-ASIDE) FOR BROADLEAF WEED CONTROL:

DGA 4 can be applied either postharvest in the fall, spring, or summer during the fallow period or to crop stubble/set-aside acres. Apply **DGA 4** as a broadcast or spot treatment to emerged and actively growing weeds after crop harvest (postharvest) and before a killing frost or in the fallow cropland or crop stubble the following spring or summer.

See **Crop Rotational Restrictions** in section **V. General Restrictions and Limitations** for the recommended interval between application and planting to prevent crop injury.

Rates and Timings:

Apply 4-64 fluid ounces of **DGA 4** per acre. Refer to **Table 2** to determine use rates for specific targeted weed species. For best performance, apply **DGA 4** when annual weeds are less than 6" tall, when biennial weeds are in the rosette stage and to perennial weed regrowth in late summer or fall following a mowing or tillage treatment. The most effective control of upright perennial broadleaf weeds such as Canada thistle and Jerusalem artichoke occurs if **DGA 4** is applied when the majority of weeds have at least 4-6" of regrowth or for weeds such as field bindweed and hedge bindweed that are in or beyond the full bloom stage.

Avoid disturbing treated areas following application. Treatments may not kill weeds that develop from seed or underground plant parts such as rhizomes or bulblets, after the effective period for **DGA 4**. For seedling control, a follow-up program or other cultural practices could be instituted. For small grain in-crop uses of **DGA 4**, refer to the small grain section for details.

Between Crop Tank Mixes

In tank mixes with one or more of the following herbicides, apply 4-16 fluid ounces of **DGA 4** per acre for control of annual weeds or 16-64 fluid ounces of **DGA 4** per acre for control of biennial and perennial weeds:

Acquire™

Ally®

Amber®

Atrazine

Curtail®

Cyclone®

Fallow Master®

Finesse®

Glyphosate (Roundup Ultra®)

Gramoxone® Extra

Kerb®

Landmaster® BW

Paramount®

Sencor®

Tordon® 22K

Touchdown®

2,4-D

Corn (Field, Pop, Seed, and Silage)

Direct contact of **DGA 4** with corn seed must be avoided. If corn seeds are less than 1.5" below the soil surface, delay application until corn has emerged. Applications of **DGA 4** to corn during periods of rapid growth may result in temporary leaning. Corn will usually become erect within 3-7 days. Cultivation should be delayed until after corn is growing normally to avoid breakage. Corn may be harvested or grazed for feed once the crop has reached the ensilage (milk) stage or later in maturity.

Up to 2 applications of **DGA 4** may be made during a growing season. Sequential applications must be separated by 2 weeks or more.

Do not apply **DGA 4** to seed corn or popcorn without first verifying with your local seed corn company (supplier) the selectivity of **DGA 4** on your inbred line or variety of popcorn. This precaution will help avoid potential injury of sensitive varieties.

Avoid using crop oil concentrates after crop emergence as crop injury may result. Use crop oil concentrates only in dry conditions when corn is less than 5" tall and when applying **DGA 4** alone or tank mixed with atrazine.

Use of sprayable fluid fertilizer as the carrier is not recommended for applications of **DGA 4** made after corn emergence.

DGA 4 is not registered for use on sweet corn.

PREPLANT AND PRE-EMERGENCE APPLICATION IN NO TILLAGE CORN:

Rates: Apply 16 fluid ounces of **DGA 4** per acre on medium or fine-textured soils containing 2.5% or greater organic matter. Use 8 fluid ounces of **DGA 4** per acre on coarse soils (sand, loamy sand, and sandy loam) or medium- and fine-textured soils with less than 2.5% organic matter.

Timing: **DGA 4** can be applied to emerged weeds before, during, or after planting a corn crop. When planting into a legume sod (e.g. alfalfa or clover), apply **DGA 4** after 4-6" of regrowth has occurred.

PRE-EMERGENCE APPLICATION IN CONVENTIONAL OR REDUCED TILLAGE CORN:

Rates: Apply 16 fluid ounces of **DGA 4 herbicide** per treated acre to medium- or fine-textured soils that contain 2.5% organic matter or more. Do not apply to coarse-textured soils (sand, loamy sand, or sandy loam) or any soil with less than 2.5% organic matter until after corn emergence (see **Early Postemergence** uses below).

Timing: **DGA 4** may be applied after planting and prior to corn emergence. Pre-emergence application of **DGA 4** does not require mechanical incorporation to become active. A shallow mechanical incorporation is recommended if the application is not followed by adequate rainfall or sprinkler irrigation. Avoid tillage equipment (e.g., drags, harrows) that concentrate treated soils over seed furrow, as seed damage could result.

Pre-emergence control of cocklebur, jimsonweed, and velvetleaf may be reduced if conditions such as low temperature or lack of soil moisture cause delayed or deep germination of weeds.

EARLY POSTEMERGENCE APPLICATION IN ALL TILLAGE SYSTEMS:

Rates: Apply 16 fluid ounces of **DGA 4** per treated acre. Reduce the rate to 8 fluid ounces of **DGA 4** per treated acre for corn grown on coarse-textured soils (sand, loamy sand, and sandy loam).

Timing: Apply between corn emergence and the 5-leaf stage or 8" tall, whichever occurs first. Refer to

LATE POSTEMERGENCE APPLICATION:

Rate: Apply 8 fluid ounces of **DGA 4** per treated acre.

Timing: Apply **DGA 4** from 8-36" tall corn or 15 days before tassel emergence, whichever comes first. For best performance, apply when weeds are less than 3" tall.

Apply directed spray when corn leaves prevent proper spray coverage, sensitive crops are growing nearby, or tank mixing with 2,4-D.

Do not apply **DGA 4** when soybeans are growing nearby if any of these conditions exist:

- Corn is more than 24" tall
- Soybean are more than 10" tall
- Soybean have begun to bloom

Corn Tank Mixes or Sequential Uses

When using tank mix or sequential applications with **DGA 4**, always follow the companion product label to determine specific use rates by soil types, weed species, and weed or crop growth stage. In addition, follow precautions and restrictions including state and local use restrictions that may apply to specific products.

Apply **DGA 4** prior to, in tank mix with, or after one or more of the following herbicides:

Accent®¹
 Acquire™
 Atrazine
 Axiom™ Degree Xtra™
 Banvel®¹
 Beacon®¹
 Bicep®
 Bladex®
 Bullet®
 Degree™
 DoublePlay®²
 Dual Magnum™
 Dual II Magnum®
 Eradicane®
 Exceed®¹
 Extrazine®II
 Field Master®
 Frontier®

FulTime®
 Gramoxone®Extra
 Guardsman®
 Harness®
 Harness® Xtra
 Hornet™¹
 Laddok® S-12
 Lasso®
 Liberty®³
 Lightning®⁵
 Marksman®¹
 Outlook™
 Permit®¹
 Princep®
 Prowl®
 Python®
 Roundup Ultra®⁴
 Roundup Ultra® RT

Spirit®¹
 Stinger®¹
 Surpass®
 Sutan® +²
 TopNotch™
 Touchdown®

Tough®
 2,4-D¹

¹See **Table 5** for additional limitations or restrictions that apply for tank mix or sequential use programs with these products.

²Sequential use only

³Use only on **Liberty Link®** (glufosinate tolerant) corn hybrids.

⁴Includes postemergence use on **Roundup Ready** (glyphosate tolerant) corn hybrids.

⁵Use only **Clearfield®** (imidazolinone tolerant) corn hybrids.

Table 5. Specific Guidelines for Tank Mixes or Sequential Use Programs

Tank Mix Partner	Rate Per Acre
Accent or Beacon	When tank mixing, applications immediately following extreme day or night temperature fluctuations or applications when daytime temperatures do not exceed 50°F may result in decreased weed control or crop injury. Delay application until the temperatures warm and both weeds and crop resume normal growth.
2,4-D	To provide maximum crop safety after corn emergence, use this tank mix only after corn is greater than 8" tall and when application can be made with drop pipes that direct spray beneath corn leaves and away from the whorl of the corn. The maximum rate of 2,4-D recommended in this tank mix is 0.25 pints per acre. (0.125 pounds of acid equivalent per acre).
Banvel or Marksman	Tank mixes with these products that contain dicamba must not exceed a total combined rate of 0.50 pounds of dicamba acid equivalent per acre (0.25 pound on coarse-textured soils or on any soil when corn is greater than 8" tall). Sequential applications of these products must be separated by a minimum of 2 weeks (unless the combined rate is less than 0.5 pounds of dicamba acid equivalent and corn is 8" tall or less) and must not exceed a combined total of 0.75 pounds dicamba acid equivalent per acre for in-crop use.
Exceed, Spirit, Stinger, Hornet, or Permit	For improved control of velvetleaf, tank mix 0.25-0.5 ounce of Exceed , 0.5 ounce of Spirit , or 0.17-0.33 ounce Permit per acre with DGA 4 . For improved control of Canada thistle. Stinger at 1.5-3 fluid ounces per acre or Hornet at 0.6-1.2 ounces per acre may be tank mixed with DGA 4 . Use the higher rates in the range for heavier infestations of these weeds.

Cotton

PREPLANT APPLICATION:

Apply up to 8 fluid ounces of **DGA 4 herbicide** per acre to control emerged broadleaf weeds prior to planting cotton in conventional or conservation tillage systems.

For best performance... apply **DGA 4** when weeds are in the 2-4 leaf stage and rosettes are less than 2" across.

Following application of **DGA 4** and a minimum accumulation of 1" of rainfall or overhead irrigation, a waiting interval of 21 days is required per 8 fluid ounces per acre or less. These intervals must be observed prior to planting cotton.

Do not apply preplant to cotton west of the Rockies. Do not make **DGA 4** preplant applications to cotton in geographic areas with average annual rainfall less than 25".

If applying a spring preplant treatment following application of a fall preplant (postharvest) treatment, then the combination of both treatments may not exceed 2 pounds acid equivalent per acre.

Cotton Tank Mixes

For control of grasses or additional broadleaf weeds, **DGA 4** may be tank mixed with **Bladex®**, **Caparol®**, **Gramoxone® Extra**, and **Roundup Ultra®RT** herbicides.

Grass Grown for Seed

Apply 8-16 fluid ounces of **DGA 4** per treated acre on seedling grass after the crop reaches the 3-5 leaf stage. Apply up to 64 fluid ounces of **DGA 4** on well-established perennial grass. For best performance, apply **DGA 4** when weeds are in the 2-4 leaf stage and rosettes are less than 2" across. Use the higher level of listed rate ranges when treating more mature weeds or dense vegetative growth.

To suppress annual grasses such as brome (downy and riggut), rattail fescue, and windgrass, apply up to 64 fluid ounces of **DGA 4** per treated acre in the fall or late summer after harvest and burning of established grass seed crops. Applications should be made immediately following the first irrigation when the soil is moist and before weeds have more than 2 leaves.

Do not apply **DGA 4** after the grass seed crop begins to joint.

Refer to the **Pasture, Hay, Rangeland, and General Farmstead** section for grazing and feeding restrictions.

Grass Seed Tank Mixes

DGA 4 may be applied in tank mixes with one or more of the following herbicides:

- **Buctril®**
- **Curtail®**
- **Express®**
- **Karmex®**
- **MCPA amine**
- **Sencor®**
- **Stinger®**
- **2,4-D amine or ester**

Proso Millet

For use only within Colorado, Nebraska, North Dakota, South Dakota, and Wyoming.

DGA 4 combined with 2,4-D will provide control or suppression of the annual broadleaf weeds listed in **Table 1**.

Apply 4 ounces of **DGA 4** with 0.375 pounds a.i. of 2,4-D. Apply the tank mix of **DGA 4** + 2,4-D as a broadcast or spot treatment to emerged and actively growing weeds and when proso millet is in the 205 leaf stage. Use directions for 2,4-D products vary with manufacturers. Refer to a 2,4-D product with labeling consistent with the crop stage timing for **DGA 4**.

Some types of proso millet may be affected adversely by a tank mix of **DGA 4** + 2,4-D.

Do not apply unless possible proso millet crop injury will be acceptable.

Restrictions for proso millet that is grazed or cut for hay are indicated in **Table 6** in **Pasture, Hay, Rangeland, and General Farmstead** section of this label.

Pasture, Hay, Rangeland, and General Farmstead (noncropland)

DGA 4 is recommended for use on pasture, hay, rangeland, and general farmstead (non-cropland) (including fencerows and non-irrigation ditchbanks) for control or suppression of broadleaf weed and brush species listed in **Table 1**.

DGA 4 may also be applied to non-cropland areas to control broadleaf weeds in noxious weed control programs, districts, or areas including broadcast or spot treatment of roadsides and highways, utilities, railroad, and pipeline rights-of-way. Noxious weeds must be recognized at the state level, but programs may be administered at state, county, or other level. **DGA 4** uses described in this section also pertain to small grains (forage, sorghum, rye, sundangrass, or wheat) grown for pasture use only. Some perennial weeds may be controlled with lower rates of **DGA 4** or **DGA 4** plus 2,4-D (refer to **Table 2**).

Rates and Trimmings

Refer to **Table 2** for rate selection based on targeted weed or brush species. Some weed species will require tank mixes for adequate control. Rate above 32 fluid ounces of **DGA 4** per acre are for spot treatments only. Do not broadcast apply more than 32 fluid ounces per acre. Retreatments may be made as needed; however, do not exceed a total of 32 fluid ounces of **DGA 4** per treated acre during a growing season.

Crop-Specific Restrictions and Limitations

Do not apply more than 16 fluid ounces of **DGA 4** per acre to small grains grown for pasture. Newly seeded areas may be severely injured if more than 16 fluid ounces of **DGA 4** is applied per acre. Established grass crops growing under stress can exhibit various injury symptoms under stress can exhibit various injury symptoms that may be more pronounced if herbicides are applied. Bentgrass, carpetgrass, buffalograss, and St. Augustinegrass may be injured if more than 16 fluid ounces of **DGA 4** is applied per acre. Usually colonial bentgrasses are more tolerant than creeping types. Velvetgrasses are most easily injured. Treatments will kill or injure alfalfa, clovers, lespedeza, wild winter peas, vetch, and other legumes.

Table 6 lists the timing restrictions for grazing or harvesting hay from treated fields. There are no grazing restrictions for animals other than lactating dairy animals.

Table 6. Timing Restrictions for Lactating Dairy Animals Following Treatment

DGA 4 Rate Per Treated Acre	Days Before Grazing	Days Before Hay Harvest
Up to 1 pint	7 days	37 days
Up to 2 pints	21 days	51 days
Up to 4 pints	40 days	70 days

DGA 4 herbicide can be applied using water, oil in water emulsions including invert systems, or sprayable fluid fertilizer as a carrier (refer to the **Compatibility Test for Mix Components**).

To prepare oil in water emulsions, half-fill spray tank with water, then add the appropriate amount to emulsifier. With continuous agitation, slowly add the herbicide and then the oil (such as diesel oil or fuel oil) or a premix of oil plus additional emulsifier to spray tank. Complete filling of spray tank with water. Maintain vigorous agitation during spray operation to prevent oil and water from forming separate layers.

DGA 4 may be applied broadcast using either ground or aerial application equipment.

Aerial Application:

- **Spray Volume:** Use 2-40 gallons of diluted spray per treated acre in a water-based carrier.

Ground Application:

- **Spray Volume:** Use 3-600 gallons of diluted spray per treated acre. The volume of spray applied will depend on the height, density, and type of weeds or brush being treated and on the type of equipment being used.
- **Spot Treatments:** **DGA 4** may be applied to individual clumps or small areas of undesirable vegetation using handgun or similar types of application equipment. Apply diluted sprays to allow complete wetting (up to runoff) or foliage and stems.

Cut Surface Treatments:

DGA 4 may be applied as a cut surface treatment for control of unwanted trees and prevention of sprouts of cut trees.

Rate: Mix 1 part **DGA 4** with 1-3 parts water to create the application solution. Use the lower dilution rate when treating difficult-to-control species.

- **For Fill or Girdle Treatments:** Make a continuous cut or a series of overlapping cuts using an axe to girdle trunk. Spray or paint the cut surface with the solution.
- **For Stump- Treatments:** Spray or paint freshly cut surface with the water mix. The areas adjacent to the bark should be thoroughly wet.

Note: For more rapid foliar effects, 2,4-D may be added to the solution.

Applications For Control of Dormant Multiflora Rose: DGA 4 can be applied when plants are dormant as an undiluted spot treatment directly to the soil or as a Lo-Oil basal bark treatment using an oil-water emulsion solution.

- **Spot treatments:** Spot treatment applications of DGA 4 should be applied directly to the soil as close as possible to the root crown but within 6-8" of the crown. On sloping terrain, apply DGA 4 to the uphill side of the crown. Do not apply when snow or water prevents applying DGA 4 directly to the soil. The use rate of DGA 4 depends on the canopy diameter of the multiflora rose. **Examples:** Use 0.25, 1.0, or 2.35 fluid ounces of DGA 4 respectively, for 5, 10, or 15 feet canopy diameters.
- **Lo-Oil basal bark treatments:** For Lo-Oil basal bark treatments, apply DGA 4 to the basal stem region from the ground line to a height of 12-18". Spray until runoff, with special emphasis on covering the root crown. For best results, apply DGA 4 when plants are showing signs of active growth. Do not apply when snow or water prevents applying DGA 4 to the ground line.

To prepare approximately 2 gallons of a Lo-Oil spray solution:

1. Combine 1.5 gallons of water, 1 ounce of emulsifier, 16 fluid ounces of DGA 4, and 2.5 pints of No. 2 diesel fuel.
2. Adjust the amounts of materials used proportionately to the amount of final spray solution desired.

Do not exceed 8 gallons of spray solution mix applied per acre, per year.

Pasture Tank Mixes

DGA 4 maybe applied in tank mixes with one or more of the following herbicides:

Acquire™	Gramoxone Extra®
Ally®	Roundup Ultra® RT
Amber®	Stinger®
Crossbow®	Tordon® 22K
Curtail®	2,4-D
Garlon®	

Conservation Reserve Program (CRP)

DGA 4 is recommended for use on both newly seeded and established grasses grown in Conservation Reserve of federal Set-Aside Programs. Treatments of DGA 4 will injure or may kill alfalfa, clovers, lespedeza, wild winter peas, vetch, and other legumes.

NEWLY SEEDDED AREAS

DGA 4 may be applied wither preplant or postemergence to newly seeded grasses or small grains such as barley, oats, rye, sudangrass, wheat, or other grain species grown as a cover crop. Postemergence applications may be made after seedling grasses exceed the 3-leaf stage. Rates of DGA 4 greater than 16 fluid ounces per treated acre may severely injure new seedings if the interval between application and grass planting is less than 45 days per 16 fluid ounces of DGA 4 applies per treated acre west of the Mississippi River or 20 days per 16 fluid ounces applied east of the Mississippi River.

ESTABLISHED GRASS STANDS

Established grass stands are perennial grasses planted one or more seasons prior to treatment. Certain species (Bentgrass, carpetgrass, smooth, brome, buffalograss, or St. Augustinegrass) may be injured when treated with more than 16 fluid ounces of DGA 4 per treated acre. When applied at recommended rates, DGA 4 herbicide will control many annual and biennial weeds and provide control or suppression of many perennial weeds.

Rates and Timings

Apply 4-64 fluid ounces of DGA 4 per acre. Refer to Table 2 for rates based on target weed species. DGA 4 may be tank mixed or applied sequentially with other products labeled for use in Conservation Reserve Programs such as atrazine, Cyclone®, glyphosate (Acquire™, Roundup Ultra®), Gramoxone® Extra, Touchdown®, or 2,4-D. Retreatments may be made as needed; however, do not exceed a total of 64 fluid ounces (4 pints) of DGA 4 per acre.

Small Grains not underseeded to legumes (fall- and spring-seeded barley, oat, triticale and wheat)

DGA 4 combinations with listed tank mix partners will provide control or suppression of the annual broadleaf weeds listed in **Table 1**. For improved control of listed weeds, tank mix **DGA 4** with one or more of the herbicides listed.

DGA 4 used in a tank mix with other herbicides offers the best spectrum of weed control and herbicide tolerant or resistant weed management. Refer to the specific section crop for **DGA 4** application rate and timing.

For applications prior to weed emergence or when sulfonylurea-resistant weeds are present or suspected, tank mix a minimum of 3 fluid ounces of **DGA 4** with these products will offer more consistent control of sulfonylurea-resistant weeds.

Additives: When tank mixing **DGA 4** with sulfonylurea herbicides (**Ally®**, **Amber®**, **Canvas®**, **Express®**, **Finesse®**, **Glean®**, **Harmony® Extra**, and **Peak®**), use 1-4 pints of an agriculturally approved surfactant (containing at least 80% active ingredient) per 100 gallons of spray or not more than 0.25-0.5% by volume. Use the highest rate of surfactant when using lower rate ranges of the tank mix or when treating more mature and difficult to control weeds or dense vegetative growth occurs, use the 3-4 fluid ounces of **DGA 4** per acre.

Timings: Apply **DGA 4** before, during, or after planting small grains. See specific small grain crop uses below for maximum crop stage. For best performance, apply **DGA 4** when weeds are in the 2-3 leaf stage and rosettes are less than 2" across. Applying **DGA 4** small grains during periods of rapid growth may result in crop leaning. This condition is temporary and will not reduce crop yields. Applications to small grains may be made with aerial applications with 1 gallon of water or more per acre. Where dense foliage is present, 2-3 gallons of water per acre should be used.

Restrictions for small gain areas that are grazed or cut for hay are indicated in **Table 6** in **Pasture, Hay, Rangeland, and General Farmstead** section of this label.

Small Grains: Barley (fall- and spring-seeded)

EARLY SEASON APPLICATIONS:

Apply 2-4 fluid ounces of **DGA 4** to fall-seeded barley prior to the jointing stage. Apply 2-3 fluid ounces of **DGA 4** before spring-seeded barley exceeds the 4-leaf stage.

Note: For spring barley varieties that are seeded during the winter months or later, follow the rates and timings given for spring-seeded barley.

Do not tank mix **DGA 4** with 2,4-D in early season applications on spring-seeded barley.

PREHARVEST APPLICATIONS:

DGA 4 can be used to control weeds that may interfere with harvest of fall-and spring-seeded barley. Apply 8 fluid ounces of **DGA 4** per acre as a broadcast or spot treatment to annual broadleaf weeds when barley is in the hard dough stage and the green color is gone from the nodes (joints) of the stem. Best results will be obtained if application can be made when weeds are actively growing but before weeds canopy.

A waiting interval of 7 days is required before harvest. Do not use preharvest-treated barley for seed unless a germination test is performed on the seed unless a germination test is performed on the seed with an acceptable result of 95% germination or better.

For control of additional broadleaf weeds or grasses, **DGA 4** may be tank mixed with other herbicides, such as 2,4-D, that are labeled for preharvest uses in barley.

Do not make preharvest applications in California.

Barley Tank Mixes

Table 7.

Tank Mix Partner	Rate per Acre
Ally®	0.005-0.1 ounce ¹
Amber®	0.14-0.25 ounce ¹
Bronate®	0.75-0.15 pints

Buctril®	0-1.5 pints
Canvas®	0.2-0.4 ounce ¹
Express®	0.083-0.167 ounce ¹
Finesse®	0.167-0.33 ounce ¹
Glean®	0.167 ¹
Harmony® Extra	0.167-0.33 ounce ¹
MCPA amine or ester	8-12 fluid ounces ² (0.25-0.375 pound a.e.)
Metribuzin (Sencor®, Lexone®)	0.125-0.47 pound a.i.
2,4-D amine or ester^{2,3}	8 fluid ounces (0.25 pounds a.e.)

¹Do not use low rates of sulfonylureas (**Ally, Amber, Canvas, Express, Finesse, Glean,** and **Harmony Extra**) on more mature weeds or on dense vegetative growth.

²When using formulations other than 4 pounds per gallon use pounds of a.e. per acre listed.

³This tank mix is for fall-seeded barley only.

Small Grains: Oat (fall- and spring- seeded)

EARLY SEASON APPLICATIONS:

Apply 2-4 fluid ounces of **DGA 4 herbicide** per acre to fall-seeded oat prior to the jointing stage.

Apply 2-4 fluid ounces of **DGA 4** before spring-seeded oat exceed the 5-leaf stage.

DGA 4 may be tank mixed with MCPA amine or ester for applications in oat.

Do not tank mix **DGA 4** with 2,4-D in oat.

Small Grains: Triticale (fall- and spring-seeded)

EARLY SEASON APPLICATIONS:

Apply 2-4 fluid ounces of **DGA 4** to triticale.

Early season applications to fall-seeded triticale must be made prior to the jointing stage.

Early season applications to spring-seeded triticale must be made before triticale reaches the 6-leaf stage.

Triticale Tank Mixes: For best performance, should be use in tank mix combination with bromoxynil (**Buctril, Moxy 2E**) herbicide.

Small Grains: Wheat (fall- and spring- seeded)

EARLY SEASON APPLICATIONS:

Apply 2-4 fluid ounces of **DGA 4** to wheat unless using one of the fall-seeded wheat specific programs below.

Early season applications to fall-seeded wheat must be made prior to the jointing stage.

Early season applications to spring-seeded wheat must be made before wheat reaches the 6-leaf stage.

Early developing wheat varieties such as TAM 107, Madison, or Wakefield must receive application between early tillering and the jointing stage. Care should be taken in staging these varieties to be certain that the application occurs prior to the jointing stage.

To improve control of Russian thistle, flaxweed, gromwell, or mayweed, add 2,4-D amine or ester to a tank mix with one of the following herbicides: **Ally, Amber, Canvas, Express, Finesse, Glean, Harmony Extra,** or **Peak.**

SPECIFIC USE PROGRAMS FOR FALL-SEEDED WHEAT ONLY:

DGA 4 may be used at 6 fluid ounces on fall-seeded wheat in Western Oregon as a spring application only. In Colorado, Kansas, New Mexico, Oklahoma, and Texas, up to 8 fluid ounces of **DGA 4** may be applied on fall-seeded wheat after it exceeds the 3-leaf stage for suppression of perennial weeds, such as field bindweed. Applications may be made in the fall following a frost but before a killing freeze. **DGA 4** may be tank mixed with 2,4-D amine at 8 fluid ounces after wheat begins to tiller. Periods of extended stress such as cold and wet weather may enhance the possibility of crop injury. For fall applications only, do not use if the potential for crop injury is not acceptable.

PREHARVEST APPLICATIONS:

DGA 4 can be used to control weeds that may interfere with harvest of wheat. Apply 8 fluid ounces **DGA 4** per acre as a broadcast or spot treatment to annual broadleaf weeds when wheat is in the hard dough stage and the green color is gone from the nodes (joints) of the stem. Best results will be obtained

If application can be made when weeds are actively growing but before weeds canopy.

A waiting interval of 7 days is required before harvest. Do not use preharvest-treated wheat for seed unless a germination test is performed on the seed with an acceptable result of 95% germination or better.

For control of additional broadleaf weeds or grasses.

DGA 4 may be tank mixed with other herbicides such as **Ally**, **Roundup® Ultra**, and 2,4-D. Do not make preharvest applications in California.

Wheat Tank Mixes

Table 8.

Tank Mix Partner	Rate Per Acre
Ally®	0.05-0.1 ounce
Amber®	0.14-0.28 ounce
Bronate®	0.75-1.5 pints
Buctril®	1-1.5 pints
Canvas®	0.2-0.4 ounce ¹
Curtail®	2-2.67 pints
Dakota®²	16 fluid ounces
Express®	0.083-0.167 ounce ¹
Finesse®	0.167-0.33 ounce ¹
Glean®	0.167 ounce ¹
Harmony® Extra	0.167-0.33 ounce
Karmex®³	0.5-1.5 pounds
Glyphosate (Roundup Ultra® RT)⁴	12-16 fluid ounces
MCPA amine or ester⁵	8-12 fluid ounces (0.25-0.375 pound a.e.)
Metribuzin³ (Sencor®, Lexone®)	0.25-0.375 pound a.i.
Peak®¹	0.25-0.38 ounce
Stinger®	4-5.33 fluid ounces
Tiller®²	1.17 pints
2,4-D amine or ester⁵	8-12 fluid ounces (0.25-0.375 pound a.e.)

¹Do not use low rates of sulfonyleurea herbicides, such as **Ally**, **Amber**, **Canvas**, **Express**, **Finesse**, **Glean**, **Harmony Extra**, and **Peak** on more mature weeds or on dense vegetative growth.

²Do not use **DGA 4** as a tank mix treatment with **Dakota** or **Tiller** on Durum wheat. Do not tank mix with **Tiller** if wild oat is the target weed.

³Tank mixes with **Karmex** and metribuzin are for use in fall-seeded wheat only.

⁴A tank mix of up to 4 fluid ounces of **DGA 4** with **Roundup Ultra RT** or any glyphosate formulation labeled for use as a preplant application to small grains may be applied with no waiting period prior to planting.

⁵Up to 32 fluid ounces of (1.0 pound a.e.) may be used on fall-seeded wheat if crop injury is acceptable. When using formulations other than 4 pounds per gallon, use the pounds of a.e per acre listed.

Sorghum

DGA 4 herbicide may be applied preplant, postemergence, or preharvest in sorghum to control many annual broadleaf weeds and to reduce competition from established perennial broadleaf weeds as well as control their seedlings. Do not graze or feed treated sorghum forage or silage prior to mature grain stage. If sorghum is grown for pasture or hay, refer to **Pasture, Hay**,

Rangeland, and General Farmstead section of this label for specific grazing and feeding restrictions. Do not apply **DGA 4** to sorghum grown for seed production.

PREPLANT APPLICATION:

Up to 8 fluid ounces of **DGA 4** may be applied per acre if applied at least 15 days before sorghum planting.

POSTEMERGENCE APPLICATION:

Up to 8 fluid ounces of **DGA 4** per acre may be applied after sorghum is in the spike stage (all sorghum emerged) but before sorghum is 15" tall. For best performance, apply **DGA 4** when the sorghum crop is in the 3-5 leaf stage and weeds are small (less than 3" tall). Use drop pipes (drop nozzles) if sorghum is taller than 8". Keep the spray off the sorghum leaves and out of the whorl to reduce the likelihood of crop injury and to improve spray coverage of weed foliage.

Applying **DGA 4** to sorghum during periods of rapid growth may result in temporary leaning of plants or rolling of leaves. These effects are usually outgrown within 10-14 days.

Preharvest uses in Texas and Oklahoma only: Up to 8 fluid ounces of **DGA 4** per acre may be applied for weed suppression any time after the sorghum has reached the soft dough stage. An agriculturally approved surfactant may be used to improve performance. For aerial applications, use at least 2 gallons of water-based carrier per treated acre. Delay harvest until 30 days after a preharvest treatment.

SPLIT APPLICATION:

DGA 4 may be applied in split applications: preplant followed by postemergence or preharvest; or postemergence followed by preharvest. Do not exceed 8 fluid ounces per acre, per application or a total of 16 ounces per acre, per season.

Sorghum Tank Mixes and Sequential Treatments

DGA 4 may be applied prior to, in a tank mix with, or after one or more of the following herbicides:

Acquire™	Guardman®
Atrazine	Laddok® S-12
Basagran®	Landmaster®
Bicep II Magnum®	Lasso®
Buctril®	Outlook™
Cyclone®	Paramount®
Dual Magnum™	Peak®
Dual II Magnum™	Permit®
Fallow Master®	Ramrod®
Frontier®	Roundup Ultra®
Gramoxone® Extra	

Soybean

PREPLANT APPLICATIONS:

Apply 4-16 fluid ounces of **DGA 4** per acre to control emerged broadleaf weeds prior to planting soybeans. Do not exceed 16 fluid ounces of **DGA 4** per acre in a spring application prior to planting soybeans. Following application of **DGA 4** and a minimum accumulation of 1" rainfall or overhead irrigation, a waiting interval of 14 days is required for 8 fluid ounces per acre or less, and 28 days for 16 fluid ounces per acre. These intervals must be observed prior to planting soybeans or crop injury may occur. Do not make **DGA 4** preplant applications to soybeans in geographic areas with average annual rainfall less than 25".

PREHARVEST APPLICATIONS:

DGA 4 can be used to control many annual and perennial broadleaf weeds and control or suppress many biennial and perennial broadleaf weeds in soybean prior to harvest (refer to **Table 1**). Apply 8-64 fluid ounces of **DGA 4** per acre as a broadcast or spot treatment to emerged and actively growing weeds after soybean pods have reached mature brown color and at least 75% leaf drop has occurred. Soybeans may be harvested 14 days or more after a preharvest application.

Treatments may not kill weeds that develop from seed or underground plant parts, such as rhizomes or bulblets, after the effective period for **DGA 4**. For seedling control, a follow-up program or other cultural practice could be instituted.

Do not use preharvest-treated soybean for seed unless a germination test is performed on the seed with an acceptable result of 95% germination or better.

Do not feed soybean fodder or hay following a preharvest application of **DGA 4**.

Do not make preharvest applications in California.

Soybean Tank Mixes

PREPLANT TANK MIXES:

DGA 4 may be tank mixed with other herbicides registered for early preplant use in soybeans including burndown herbicides such as glyphosate (**Acquire**, **Roundup Ultra**) and 2,4-D or residual herbicides such as **Outlook**, **Frontier**, or **Dual Magnum**.

PREHARVEST TANK MIXES:

DGA 4 may be tank mixed with other herbicides registered for preharvest use in soybeans such as glyphosate (**Roundup Ultra**) and **Gramoxone Extra**.

Sugarcane

Apply **DGA 4 herbicide** for control of annual, biennial, or perennial broadleaf weeds listed in **Table 1**. Apply 8-24 fluid ounces of **DGA 4** per acre for control of annual weeds, 16-32 fluid ounces for control of biennial weeds, and 32-64 fluid ounces for control or suppression of perennial weeds. Use the higher level of listed rate ranges when treating dense vegetative growth.

Retreatments may be made as needed, however, do not exceed a total of 64 fluid ounces of **DGA 4** per treated acre during a growing season.

Timing: **DGA 4** may be applied to sugarcane any time after weeds have emerged, but before the close-in stage of sugarcane. Applications of 32-64 fluid ounces of **DGA 4** per acre made over the top of actively growing sugarcane may result in crop injury. When possible, direct the spray beneath the sugarcane canopy to minimize the likelihood of crop injury. Using directed sprays will also help maximize the spray coverage of weed foliage.

Sugarcane Tank Mixes

DGA 4 may be tank mixed with other products registered for use in sugarcane such as **Asulox®**, atrazine, **Evik®**, and 2,4-D.

Turf and Lawns

For use in general farmstead (noncropland) and sod farms, apply 3-32 fluid ounces of **DGA 4** per acre to control or suppress growth of many annual, biennial, and some perennial broadleaf weeds commonly found in turf. **DGA 4** will also suppress many other listed perennial broadleaf weeds and woody brush and vine species. Refer to **Table 2** for rate recommendations based on targeted weed or brush species and growth stage. Some weed species will require tank mixes for adequate control.

Repeat treatments may be made as needed, however, do not exceed 32 fluid ounces of **DGA 4** per acre, per growing season.

Apply 30-200 gallons of diluted spray per treated acre (3-17 quarts of water per 1,000 square feet), depending on density or height of weeds treated and on the type of equipment used.

To avoid injury to newly seeded grasses, delay application of **DGA 4** until after the second mowing. Furthermore, applying more than 16 fluid ounces of **DGA 4** per treated acre may cause noticeable stunting or discoloration of sensitive grass species such as Bentgrass, carpetgrass, buffalograss, and St. Augustinegrass.

In areas where roots of sensitive plants, extend, do not apply more than 4 fluid ounces of **DGA 4** per treated acre on coarse-textured (sandy-type) soils, or in excess of 8 fluid ounces per treated acre on fine-textured soils. Do not make repeat applications in these areas for 30 days and until previous applications of **DGA 4** have been activated in the soil by rain or irrigation.

Turf and Lawn Mixes

Apply 3.2-8 fluid ounces of **DGA 4** per acre in a tank mix with one of the products in **Table 9** at the rates listed. Use the higher rates when treating established weeds.

Table 9.

Tank Mix Partner	Rate Per Acre
Bromoxynil (Buctril®)	0.375-0.5 pound a.i.
MCPA	0.5-1.5 pounds a.e.
MCPP	0.5-1.5 pounds a.e.
2,4-D	0.5-1.5 pounds a.e.

Pests Listed in This Label:	
Annuals	
Common Name	Scientific Name
Alkanet	<i>Lithospermum arvense</i>
Amaranth, Palmer	<i>Amaranthus palmeri</i>
Powell	<i>Amaranthus powellii</i>
Spiny	<i>Amaranthus spinosus</i>
Aster, Slender	<i>Aster subulatus</i>
Bedstraw, Catchweed	<i>Galium aparine</i>
Beggarweed, Florida	<i>Desmodium tortuosum</i>
Broomweed, Common	<i>Gutierrezia dracunculoides</i>
Buckwheat, Tartary	<i>Fagopyrum tatarium</i>
Wild	<i>Polygonum convolvulus</i>
Buffalobur	<i>Solanum rostratum</i>
Burclover California	<i>Medicago polymorpha</i>
Burcucumber	<i>Sicyos angulatus</i>
Buttercup, Corn	<i>Ranunculus arvensis</i>
Creeping	<i>Ranunculus repens</i>
Roughseed	<i>Ranunculus muricatus</i>
Western Field	<i>Ranunculus occidentalis</i>
Carpetweed	<i>Mullugo verticillata</i>
Catchfly, Nightflowering	<i>Silene noctiflorum</i>
Chamomile, Corn	<i>Anthemis arvensis</i>
Chervil, Bur	<i>Anthriscus caucalis</i>
Chickweed, Common	<i>Stellaria media</i>
Clovers	<i>Trifolium spp.</i>
Cockle Corn	<i>Agraostemma githago</i>
Cow	<i>Vaccaria pyramidata</i>
White	<i>Melandrium album</i>
Cocklebur, Common	<i>Xanthium strumarium</i>
Copperleaf, Hophornbeam	<i>Acalypha ostryifolia</i>
Cornflower (Bachelor Button)	<i>Centaurea Cynus</i>
Croton, Tropic	<i>Croton glandiola</i>
Wooly	<i>Croton capitatus</i>
Daisy, English	<i>Bellis perennia</i>
Dragonhead, American	<i>Dracocephalum parviflorum</i>
Eveningprimrose, Cutleaf	<i>Oenothera lacinata</i>
Falseflax, Smallseed	<i>Camelina microcarpa</i>
Fleabane, Annual	<i>Erigeron annuus</i>
Flixweed	<i>Descurainia Sophia</i>
Fumitory	<i>Fumaria officinalis</i>
Goosefoot, Nettleleaf	<i>Chenopodium murale</i>
Hempnettle	<i>Galeopsis tetrahit</i>
Henbit	<i>Lamium amplexicaule</i>
Jacob's Ladder	<i>Polemonium caeruleum</i>
Jimsonweed	<i>Datura stratum</i>
Knawel (German Moss)	<i>Scleranthus annuus</i>
Knotweed, Prostrate	<i>Polygonum aviculare</i>
Kochia	<i>Kochia scoparia</i>
Ladysthumb	<i>Polygonum periscaria</i>
Lambsquarters, Common	<i>Chenopodium album</i>
Lettuce Miners	<i>Claytonia perfoliata</i>
Prickly	<i>Lactuca serriola</i>
Mallow, Common	<i>Malva neglecta</i>
Venice	<i>Hibiscus trionum</i>

Marestail (Horseweed)	<i>Hippurus vulgaris</i>
Mayweed	<i>Anthemis cotula</i>
Morningglory, Ivyleaf Tall	<i>Ipomea hederacea</i> <i>Ipomea purpurea</i>
Mustard, Black Blue Tanksy Treacle Tumble Wild	<i>Brassica nigra</i> <i>Chorispora tenella</i> <i>Descurainia pinnata</i> <i>Erysimum repandum</i> <i>Sisymbrium alstissimum</i> <i>Sinapsis arvensis</i>
Nightshade, Black Cutleaf	<i>Solanum nigrum</i> <i>Solanum Triflorum</i>
Pennycress, Field (Farweed, Frenchweed, Stinkweed)	<i>Thlaspi arvense</i>
Pepperweed, Virginia (Peppergrass)	<i>Lepidium virginicum</i>
Pigweed, Prostate Redroot (Carelessweed) Smooth Tumble	<i>Amaranthus blitoides</i> <i>Amaranthus retroflexus</i> <i>Amaranthus hybridus</i> <i>Amaranthus albus</i>
Pineappleweed	<i>Matricaria matricarioides</i>
Poorjoe	<i>Diodia teres</i>
Puncturevine	<i>Tribulus terrestris</i>
Purslane, Common	<i>Portulaca oleracea</i>
Pusley, Florida	<i>Richardia scabra</i>
Radish, Wild	<i>Raphanus raphanistrum</i>
Ragweed, Common Giant (Buffaloweed) Lance-Leaf	<i>Ambrosia artemisiifolia</i> <i>Ambrosia bidentata</i> <i>Ambrosia artemisiifolia</i>
Ragwort, Tansy	<i>Senecia jacobea</i>
Rocket, London Yellow	<i>Sisymbrium irio</i> <i>Barbarea vulgaris</i>
Rubberweed, Bitter	<i>Hymenoxys odorata</i>
Salsify	<i>Tragopogon porriolius</i>
Sesbania, Hemp	<i>Sesbania exaltata</i>
Shepherdspurse	<i>Capsella bursa-pastoris</i>
Sicklepod	<i>Cassia obtusifolia</i>
Sida, Prickly (Teaweed)	<i>Sida spinosa</i>
Smartweed, Green Pennsylvania	<i>Polygonum scabrum</i> <i>Polygonum pennsylvanicum</i>
Sneezeweed, Bitter	<i>Helenium amurum</i>
Sowthistle, Annual Spiny	<i>Sonchus oleraceus</i> <i>Sonchus asper</i>
Spikeweed, Common	<i>Hemizonia pungens</i>
Spurge, Prostrate	<i>Euphorbia humistrata</i>
Spurry, Corn	<i>Spergula arvensis</i>
Starbur, Bristly	<i>Acanthospermum hispidum</i>
Starwort, Little	<i>Stellaria graminea</i>
Sumpweed, Rough	<i>Iva ciliata</i>
Sunflower, Common (Wild)	<i>Helianthus annuus</i>
Thistle, Russian	<i>Salsola iberica</i>
Velvetleaf	<i>Abutilon theophrasti</i>
Waterhemp, Common Tail	<i>Amaranthus rudis</i> <i>Amaranthus tuberculatus</i>
Waterprimrose, Winged	<i>Ludwigia decurrens</i>
Wormwood	<i>Artemisia annua</i>
Biennials	
Burdock, Common	<i>Arctium minus</i>
Carrot, Wild (Queen Anne's Lace)	<i>Daucus carota</i>
Cockle, White	<i>Melandrium album</i>
Eveningprimrose, Common	<i>Oenothera biennis</i>
Geranium, Carolina	<i>Geranium carolinianum</i>
Gromwell	<i>Lithospermum spp.</i>
Knapweed, Diffuse Spotted	<i>Centaurea diffusa</i> <i>Centaurea maculosa</i>
Mallow, Dwarf	<i>Malva borealis</i>
Plantain, Bracted	<i>Plantago aristata</i>

Ragwort, Tansy	Senecio jacobaea
Starthistle, Yellow	Centaurea solstitialis
Sweetclover	Mellilotus spp.
Teasel	Dipsacus sativus
Thistle, Bull	Cirsium vulgare
Musk	Carduus nutans
Plumeless	Carduus acanthoides

Pests Listed in This Label:	
Perennials	
Common Name	Scientific Name
Alfalfa	<i>Medicago sativa</i>
Artichoke, Jerusalem	<i>Helianthus tuberosus</i>
Aster, Spiny	<i>Aster spinosus</i>
Whiteheath	<i>Aster pilosus</i>
Bedstraw, Smooth	<i>Gallium mollugo</i>
Bindweed, Field	<i>Convolvulus arvensis</i>
Hedge	<i>Calystegia sepium</i>
Blueweed, Texas	<i>Helianthus ciliaris</i>
Bursage, Woollyleaf, (Bur Ragweed, Povertyweed)	<i>Ambrosia grayi</i>
Buttercup, Tall	<i>Ranunculus acris</i>
Campion, Bladder	<i>Silene vulgaris</i>
Chickweed, Field	<i>Cerastium arvense</i>
Mouseear	<i>Cerastium intybus</i>
Chicory	<i>Cichorium intybus</i>
Clover, Hop	<i>Trifolium aureum</i>
Dandelion	<i>Taraxacum officinale</i>
Dock, Broadleaf (Bitterdock)	<i>Rumex obtusifolius</i>
Curley	<i>Rumex crispus</i>
Dogbane, Hemp	<i>Apocynum cannabinum</i>
Dogfennel (Cypressweed)	<i>Eupatorium capillifolium</i>
Fern, Bracken	<i>Pteridium aquilinum</i>
Garlic, Wild	<i>Allium vineale</i>
Goldenrod, Canada	<i>Solidago canadensis</i>
Missouri	<i>Solidago missouriensis</i>
Goldenweed, Common	<i>Isocoma coronopifolia</i>
Hawkweed	<i>Hieracium spp.</i>
Henbane, Black	<i>Hyoscyamus niger</i>
Horsenettle, Carolina	<i>Solanum carolinense</i>
Ironweed	<i>Veronia spp.</i>
Knapweed, Black	<i>Centaurea nigra</i>
Russian	<i>Centaurea repens</i>
Milkweed, Climbing	<i>Sarcostemma cynanchoides</i>
Common	<i>Asclepias syriaca</i>
Honeyvine	<i>Ampelamus albidus</i>
Western Whorled	<i>Asclepias subverticillata</i>
Nettle, Stinging	<i>Urtica dioica</i>
Nightshade, Silverleaf (White Horsenettle)	<i>Solanum elaeagnifolium</i>
Onion, Wild	<i>Allium canadense</i>
Plantain, Broadleaf	<i>Plantago major</i>
Buckhorn	<i>Plantago lanceolata</i>
Pokeweed	<i>Phytolacea Americana</i>
Ragweed, Western	<i>Ambrosia psilostachya</i>
Redvine	<i>Brunnichia ovata</i>
Sercia Lespedeza	<i>Sercia Lespedeza</i>
Smartweed, Swamp	<i>Polygonum coccineum</i>
Snakeweed, Broom	<i>Gutierrezia sarothrae</i>
Sorrel, Red (Sheep Sorrel)	<i>Rumex acetosella</i>
Sowthistle, Perennial	<i>Sonchus arvensis</i>
Spurge, leafy	<i>Euphorbia esula</i>
Sundrops	<i>Oenothera perennis</i>
Thistle, Canada	<i>Cirsium arvense</i>
Scotch	<i>Onopordum acanthium</i>
Toadflex, Dalmation	<i>Linaria genistrata</i>
Tropical Soda Apple	<i>Solanum viarum</i>
Trumpetcreeper (Buckvine)	<i>Campsis radicans</i>
Vetch	<i>Vicia spp.</i>

Waterhemlock, Spotted	<i>Cicuta maculata</i>
Waterprimrose, Creeping	<i>Ludwigia peploides</i>
Woodsorrel, Creeping Yellow	<i>Oxalis corniculata</i> <i>Oxalis stricta</i>
Wormwood, Absinth Louisiana	<i>Artemisia absinthium</i> <i>Artemisia ludoviciana</i>
Yankeeweed	<i>Eupatorium compositifolium</i>
Yarrow, Common	<i>Achillea millefolium</i>
Pests Listed in This Label:	
Woody Species	
Common Name	Scientific Name
Alder	<i>Alnus spp.</i>
Ash	<i>Fraxinus spp.</i>
Aspen	<i>Populus spp.</i>
Basswood	<i>Tilia Americana</i>
Beech	<i>Fagus spp.</i>
Birch	<i>Betula spp.</i>
Blackberry	<i>Rubus spp.</i>
Blackgum	<i>Nyssa spp.</i>
Cedar	<i>Cedrus spp.</i>
Cherry	<i>Prunus spp.</i>
Chinquapin	<i>Chrysoeoides chrysolophylla</i>
Cottonwood	<i>Populus deltoides</i>
Creosotebush	<i>Larrea tridentata</i>
Cucumbertree	<i>Magnolia acuminata</i>
Dewberry	<i>Rubus caesius</i>
Dogwood	<i>Cornus spp.</i>
Elim	<i>Ulmus spp.</i>
Grape	<i>Vitis spp.</i>
Hawthorn (Thornapple)	<i>Crataegus spp.</i>
Hemlock	<i>Tsuga spp.</i>
Hickory	<i>Carya spp.</i>
Honeylocust	<i>Gleditsia triacanthos</i>
Honeysuckle	<i>Lonicera spp.</i>
Hornbeam	<i>Carpinus spp.</i>
Huckleberry	<i>Vaccinium arboreum</i>
Huisache	<i>Acacia Farnesiana</i>
Ivy, Poison	<i>Rhus radicans</i>
Kudzu	<i>Pueraria lobata</i>
Locust, Black	<i>Robinia pseudacacia</i>
Maple	<i>Acer spp.</i>
Mesquite	<i>Prosopis ruscifolia</i>
Oak	<i>Quercus spp.</i>
Oak, Poison	<i>Rhus toxicodendron</i>
Olive, Russian	<i>Eleaagnus angustifolia</i>
Persimmon, Eastern	<i>Diospyros, virginiana</i>
Pine	<i>Pinus spp.</i>
Plum, Sand (Wild Plum)	<i>Prunus amygdalis</i>
Poplar	<i>Populus spp.</i>
Rabbitbrush	<i>Chrysothamnus pulchellus</i>
Redcedar, Eastern	<i>Juniperus virginiana</i>
Rose, McCartney Multiflora	<i>Rosa bracteata</i> <i>Rosa multiflora</i>
Sagebrush, Fringed	<i>Artemisia frigida</i>
Sassafras	<i>Sassafras albidum</i>
Serviceberry	<i>Amelanchier sanguinea</i>
Spicebush	<i>Lindera benzoin</i>
Spruce	<i>Picea spp.</i>
Sumac	<i>Rhus spp.</i>
Sweetgum	<i>Liquidambar styraciflua</i>
Sycamore	<i>Platanus occidentalis</i>
Tarbrush	<i>Flourensia cernua</i>
Willow	<i>Salix spp.</i>
Witchhazel	<i>Hamamelis rhamnophylla</i>
Yaupon	<i>Ilex spp.</i>
Yucca	<i>Yucca spp.</i>

<p>CROPS This product can be used on the following crops:</p>
<p>Asparagus Conservation Reserve Program (CRP) Corn Cotton Fallow Systems (Between Crop Applications) Proso Millet Pastures, Rangeland, General Farmstead Small Grains (Barley, Oat, Triticale, and Wheat) Sorghum Soybean Sugarcane Turf</p>
<p>Look inside for complete Restrictions and Limitations and Application Instructions.</p>

<p align="center">Conditions of Sale and Warranty</p> <p>The Directions For Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently 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 use of the product in a manner inconsistent with its labeling all of which are beyond the control of Control Solutions, Inc. or the Seller. All such risks shall be assumed by the Buyer.</p> <p>Control Solutions, Inc. warrants that this product conforms to the chemical composition on the label and is reasonably fit for the purposes referred to in the Directions for Use are subject to the inherent risks, referred to above. CONTROL SOLUTIONS, INC. MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL CONTROL SOLUTIONS, INC. OR THE SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. Control Solutions, Inc. and the Seller offer this product and the Buyer and User accept it subject to the foregoing Conditions of Sale and Warranty which may be varied only by agreement in writing signed by a duly authorized representative of BASF.</p> <p><i>Banvel, Banvel SFG, Fallow Master, Frontier, Guardsman, Marksman, and Paramount are registered trademarks and Acquire and Outlook are trademarks of BASF corporation.</i></p> <p><i>Basagran and Laddok are registered trademarks of BASF AG</i></p> <p><i>Accent, Ally, Asana, Bladex, Canvas, Express, Extrazine, Finesse, Glean, Harmony, Karmex, and Lexone are registered trademarks of E.I. du Pont de Nemours & Company</i></p> <p><i>Amber, Beacon, Bicep II Magnum, Caparol, Dual II Magnum, Evik, Exceed, Peak, Princep, and Tough are registered trademarks and Dual Magnum is a trademark of Novartis AG.</i></p> <p><i>Spirit is a trademark of Rhone-Poulenc Ag Company.</i></p> <p><i>Asulox is a registered trademark of Rhone-Poulenc Agriculture Ltd.</i></p> <p><i>Bronate is a registered trademark of Rhone-Poulenc Agrochemie.</i></p> <p><i>Sencor is a registered trademark of Bayer AG.</i></p> <p><i>Crossbow, Curtail, FirstRate, Garlon, Lorsban, Stinger, and Tordon are registered trademarks and Homet is a trademark of Dow AgroSciences LLC.</i></p> <p><i>Bronco, Bullet, Harness, Landmaster, Lariat, Lasso, Partner, Ramrod, Roundup Ultra, and Roundup Ready are registered trademarks and Degree, Degree Xtra and Field Master are trademarks of Monsanto Company.</i></p> <p><i>Ambush, Cyclone, DoublePlay, Eradicane, Gramoxone, Surpass, Touchdown, Sutan, and Warrior are registered trademarks and Fultime, Topnotch, and Touchdown are trademarks of Zeneca Inc. and Gramoxone is a registered trademark of Zeneca Ltd.</i></p> <p><i>Dakota is a registered trademark of AgrEvo USA Company.</i></p> <p><i>Liberty, Liberty Link, and Tiller are registered trademarks of Hoechst Schering AgrEvo GmbH.</i></p> <p><i>Kerb is a registered trademark of Rohm and Haas Company.</i></p> <p><i>Permit is a registered trademark of Nissan Chemical Industries, Ltd.</i></p> <p><i>Clearfield, Lightning, and Prowl are registered trademarks of American Cyanamid Company.</i></p> <p><i>Select is a registered trademark of Valent U.S.A Corporation.</i></p> <p><i>Furadan and Pounce are registered trademarks of FMC Corp.</i></p> <p><i>Axiom is a registered trademark of Bayer Corporation.</i></p> <p><i>Moxy is a trademark of Riverside.</i></p> <p><i>Turbo Teejet and Turbo Floodjet are registered trademarks of Spraying Systems, Inc.</i></p>
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