SPECIMEN LABEL

This information is for promotional purposes only. Space considerations may require information to be omitted. Always refer to the actual package for complete label verbiage. This product may not yet be available or approved for sale or use in your area.

Nufarm

Sethoxydim SPC

Herbicide

ACTIVE INGREDIENT:

Sethoxydim: 2-[1-(ethoxyimino)butyl]-5-[2-(ethythio)propyl]
-3-hydroxy-2-cyclohexen-1-one*.....13.0%

OTHER INGREDIENTS:.....87.0%

TOTAL:.....100.0%

*Equivalent to 1.0 pound of sethoxydim per gallon.
Contains petroleum distillates.

KEEP OUT OF REACH OF CHILDREN

CAUTION/PRECAUCION

See Inside Booklet for FIRST AID and additional PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire or Exposure Call CHEMTREC (800) 424-9300
For Medical Emergencies Only, Call (877) 325-1840

EPA Reg. No. 228-619

Manufactured for
Nufarm Americas Inc.
150 Harvester Drive
Burr Ridge, IL 60527

Nufarm

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION/PRECAUCION

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

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves such as barrier laminate, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, or viton ≥14 mils
- Shoes plus socks

Wash thoroughly with soap and water after handling. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, 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

Users Should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE 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.

FIRST AID	
IF SWALLOWED:	• Immediately call a poison control center or doctor. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give **any** liquid to the person. • Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
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 by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.	
NOTE TO PHYSICIAN: May pose an aspiration pneumonia hazard. Contains petroleum distillate.	

ENVIRONMENTAL HAZARDS

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.

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.

All applicable directions, restrictions, precautions and Conditions of Sale and Limitation of Warranty and Liability are to be followed. This labeling must be in the user's possession during application.

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), notification to workers, and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

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

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

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

Do not allow people or pets to come into contact with treated areas until sprays have dried.

GENERAL INFORMATION

This product is a selective, broad spectrum, postemergence herbicide for control of annual and perennial grass weeds in alfalfa, birdsfoot trefoil, citrus, clover, corn (Poast® protected), cotton, peanuts, sainfoin, soybean, turf, ornamentals, nonfood and noncrop sites listed on this label. This product does not control sedges or broadleaf weeds. Essentially, all grass crops, such as sorghum, corn, small grains, and rice, as well as ornamental grasses, such as turf, are susceptible to this product. A program for total vegetation suppression may necessitate the use of a broadleaf herbicide. Any combination treatment using this product either tank mixed or sequential should be tested to determine if seedhead growth suppression is maintained without increased injury or discoloration to tall fescue or other desired plant species. A reduction in grass competition will make certain broadleaf weeds appear more prominent or allow new weeds to germinate.

Mode of Action

This product rapidly enters the targeted grass weed through its foliage and translocates throughout the plant. The effects range from slowing or stopping growth (generally within 2 days), to foliage reddening and leaf tip burn. Subsequently, foliage burnback occurs. These symptoms will generally be observed within 3 weeks depending on environmental conditions.

Crop Tolerance

All labeled crops are tolerant to this product at all stages of growth. If leaf speckling occurs, plants generally outgrow this condition within 10 days. New growth is normal and crop vigor is not reduced.

Notice to user: Due to variability within species, and in application techniques and equipment, and the number of tank mix combinations, neither the manufacturer nor the seller has determined whether or not this product can safely be used on all varieties and species of nonbearing food crops, trees, shrubs, ornamentals, bedding plants, ground covers, nursery, wildflowers, Christmas trees, turf and other nonfood crops under all conditions. The professional user is responsible for determining if this product is to be used safely before broad use by applying the specified use rate of this product under the conditions expected to be encountered on a small test area. Any adverse effects will be visible within 7 days.

Resistance

Repeated use of this product (or similar postemergence grass herbicides with the same mode of action) has the potential to lead to the selection of naturally occurring biotypes with resistance to these products. If poor performance cannot be attributed to adverse weather conditions or improper application methods, a resistant biotype is most likely present. Consult your local representative or agricultural advisor for assistance.

Irrigation

In irrigated areas, irrigate before treatment to ensure active weed growth.

Coverage

Apply this product to the foliage of grasses on a spray-to-wet basis uniformly and completely. Dense leaf canopies shelter smaller grassy weeds and can prevent adequate spray coverage. Do not spray to the point of runoff.

Cultivation/Mowing

If cultivation is an option, do not cultivate during the time between 5 days before and 7 days after applying this product. Cultivating 7 to 14 days after treatment will help provide season-long control of perennial grasses. Centipedegrass and fine fescue areas should not be mowed within 7 days before or after applying this product. Increased control has been observed when mowing is delayed until 14 days after application. Poor control is a result of grass weeds that have been mowed or have regrown from mowed stubble. Repeat application if new germination or regrowth occurs.

Cleaning Spray Equipment

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

SPRAY DRIFT MANAGEMENT

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions. The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.

1. The distance of the outer most nozzles on the boom must not exceed ¾ the length of the wingspan or rotor.
2. Nozzles must always point backwards parallel with the air stream and never be pointed downwards more than 45 degrees.

Where states have more stringent regulations, they should be observed. The applicator should be familiar with and take into account the information covered in the **Aerial Drift Reduction Advisory Information** section below.

Aerial Drift Reduction Advisory Information:

Information on Droplet Size

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

Controlling Droplet Size

- Volume – Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets. Increase water volume to at least 10 gallons of water per acre if grass foliage or crop canopy is dense.
- Pressure – Do not exceed the nozzle manufacturer's specified pressures. For many nozzle types lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure. Use up to 40 psi.
- Number of nozzles – Use the minimum number of nozzles that provide uniform coverage.
- Nozzle Orientation – Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the cultural practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.
- Nozzle Type – Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift. Use only diaphragm-type nozzles that produce fan spray patterns.

Boom Length

For some use patterns, reducing the effective boom length to less than ¾ of the wingspan or rotor length may further reduce drift without reducing swath width.

Application Height

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

Swath Adjustment

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

Wind

Drift potential is lowest between wind speeds of 2 to 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. DO NOT apply this product by aircraft when wind is blowing more than 10 mph. **Note**: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

Temperature and Humidity

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

Temperature Inversions

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

Sensitive Areas

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas). DO NOT apply this product by air if sensitive species are within 200 feet downwind.

COMPATIBILITY TEST FOR TANK MIX COMPONENTS

Add components in the following sequence using 2 teaspoons for each pound or 1 teaspoon for each pint of specified label rate per acre.

1. **Water -** For 20 gallons per acre spray volume, use 3.3 cups (800 ml) of water. For other spray volumes, adjust rates accordingly. Use only water from the intended source at the source temperature.
2. **Products in PVA bags –** Cut an opening in the water-soluble PVA bag just large enough to use a teaspoon for measuring purposes. Use the opened water-soluble PVA bag first when preparing spray solution. Cap the jar and invert 10 cycles.
3. **Water-dispersible products –** (dry flowables, wettable powders, suspension concentrates, or suspo-emulsions). Cap the jar and invert 10 cycles.
4. **Water-soluble products –** Cap the jar and invert 10 cycles.
5. **Emulsifiable concentrates –** Cap the jar and invert 10 cycles.
6. **Water-soluble additives –** Cap the jar and invert 10 cycles.
7. Let the solution stand for 15 minutes.
8. 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. Do not use any spray solution that could clog spray nozzles.

Mixing Order

1. **Water.** Begin by agitating a thoroughly clean spray tank half-full of clean water.
2. **Products in PVA bags.** Rinse the tank thoroughly before adding any material in PVA bags as boron residue will prevent adequate mixing. 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.
3. **Water-dispersible products** (such as dry flowables, wettable powders, suspension concentrates, or suspo-emulsions).
4. **Water-soluble products**
5. **Emulsifiable concentrates**
6. **Water-soluble additives**
7. **Remaining quantity of water**

Maintain constant agitation during application.

APPLICATION AND USE DIRECTIONS FOR:
Alfalfa, Birdsfoot Trefoil, Citrus, Clover, Corn (Poast Protected™), Cotton, Peanuts, Sainfoin and Soybeans

APPLICATION INSTRUCTIONS

Applications can be made to actively growing weeds as aerial, broadcast, band, or spot spray applications at the rates and growth stages listed in Tables 1, 2 and 3, unless instructed differently in the Crop-Specific Information section of this label. The most effective weed control will result from making postemergence applications of this product early, when weeds are small. Delaying application permits weeds to exceed the maximum size stated and may prevent adequate control.

Ground Application Methods and Equipment (Broadcast)

Do not apply this product when conditions favor drift from target area or when wind speed is greater than 10 mph.

Water Volume: Use 5 to 20 gallons of spray solution. In the West and in the high and Rolling Plains Region (see the REGIONAL DESCRIPTIONS section following Table 1 of this label), DO NOT use less than 10 gallons of spray solution per acre.

Spray Pressure: Use 40 to 60 psi (measured at the boom, not at the pump or in the line). When crop and weed foliage are dense, use a maximum of 20 gallons of water and 60 psi.

Application Equipment: Use standard high-pressure pesticide flat fan or hollow cone nozzles spaced up to 20" apart. DO NOT use flood, whirl chamber, or controlled droplet applicator (CDA) nozzles as erratic coverage can cause inconsistent weed control. When tall weeds such as volunteer corn are to be controlled, the boom should be high enough to cover the entire plant. Refer to the nozzle manufacturer's directions for specified height. When a crop such as cotton is 24" or taller and the grasses are below the crop canopy, use drop nozzles to ensure good coverage of the grass species.

DO NOT use selective application equipment such as recirculating sprayers or wiping applicators.

Ground Application (Banding)

Apply this product by banding to control annual grasses. Do not apply in a band for perennial grasses.

Follow **Ground Application (Broadcast)** instructions for band applications. When applying this product by banding, determine the amount of herbicide and water volume needed using the following formula:

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

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

Spot or Small Area Application

DO NOT make spot treatments in addition to broadcast or band treatments. When using knapsack sprayers or high-volume spray equipment with hand guns or other suitable nozzle arrangements, prepare a 1 to 1.5% solution of this product in water unless otherwise specified under specific crops. Use a concentration of 0.5% for Dash® HC and Sundance® HC spray adjuvants, or 1% for oil concentrate. Prepare the desired volume of spray solution by mixing the amount of this product and the amount of Dash® HC, Sundance® HC or oil concentrate in water according to Tables 5 and 6.

Table 1. Standard Application Rates and Timing – Annual Grasses

All application rate and timing specifications are based on growing region. Therefore, refer to the growing region descriptions below to ensure application accuracy. Follow the Application Rate and Timing tables for your region only. Refer to Table 7 for the maximum allowable use rates for specific crop and use sites.

Annual Grasses	Midwest, South, and Northeast		West & High and Rolling Plains	
	Maximum Height (inches)	Rate Per Acre (pints)	Maximum Height (inches)	Rate Per Acre (pints)
Barnyardgrass	8"	1.5	8"	2.25
Crabgrass, Large[1]	6"	1.5	4"	2.25
Crabgrass, Smooth[1]	6"	1.5	4"	2.25
Cupgrass, Southwestern	-	-	8"	2.25
Cupgrass, Woolly	8"	1.5	-	-
Fescue, Tall (seedling)	6"	2.25	-	-
Foxtail, Giant	8"	1.5	8"	2.25
Foxtail, Green	8"	1.5	8"	2.25
Foxtail, Yellow	8"	1.5	8"	2.25
Goosegrass	6"	1.5	4"	2.25
Itchgrass	4"	3.0	-	-
Johnsongrass (seedling)	8"	1.5	8"	2.25
Junglerice	8"	1.5	8"	2.25
Lovegrass	6"	2.25	-	-
Millet, Wild Proso	10"	0.75	10"	1.5
Oats, Tame	6"	2.25	-	-

Continued

Continued

Annual Grasses	Midwest, South, and Northeast		West & High and Rolling Plains	
	Maximum Height (inches)	**Rate Per Acre (pints)**	**Maximum Height (inches)**	**Rate Per Acre (pints)**
Oats, Wild[1]	4”	1.5	4”	2.25
Orchardgrass (seedling)	6”	2.25	-	-
Panicum, Browntop	8”	1.5	8”	2.25
Panicum, Fall	8”	1.5	8”	2.25
Panicum, Texas	8”	1.5	8”	2.25
Red Rice[1]	4”	3.0	-	-
Ryegrass, Annual	8”	1.5	8”	2.25
Sandbur, Field	3”	1.875	-	-
Shattercane/Wildcane[1]	18”	1.5	18”	2.25
Signalgrass, Broadleaf	8”	1.5	8”	2.25
Sprangletop, Red[3]	8”	1.5	8”	2.25
Stinkgrass	6”	2.25	-	-
Volunteer[2,4], Barley[1]	4”	2.25	4”	3.0
Volunteer[2,4], Corn[1]	20”	1.5	12”	2.25
Volunteer[2,4], Oats[1]	4”	2.25	4”	3.0
Volunteer[2,4], Rye[1]	4”	2.25	4”	3.0
Volunteer[2,4], Wheat[1]	4”	2.25	4”	3.0
Witchgrass[1]	8”	1.5	8”	2.25

[1]Add nitrogen to the crop oil concentrate to improve grass control on indicated species. Do not use UAN and AMS in the Pacific Northwest. They are not registered in California.
[2]Apply this product before tillering.
[3]Do not use this product on Red Sprangletop in California, Arizona, or western New Mexico.
[4]In the West Region, volunteer cereals that emerge from late spring through early summer (May through July) will be partially or incompletely controlled because of unfavorable conditions at application time.

REGIONAL DESCRIPTIONS

West & High and Rolling Plains: An area of the Western United States, including Western Texas, Oklahoma and Kansas; west of a line running north from Del Rio to Gainesville, Texas, and extending along Interstate 35 to the Oklahoma-Kansas border, then west along border to Highway 83 and then north to the Kansas-Nebraska border, west to Colorado, all of Colorado to the Continental Divide, then West of the Continental Divide north to the U.S.-Canada border.

Midwest, South, and Northeast: All other regions not listed above.

Table 2. Standard Application Rates and Timing – Perennial Grasses[1]

All application rate and timing specifications are based on growing region. Therefore, refer to the REGIONAL DESCRIPTIONS section of this label to ensure application accuracy. Follow the Application Rate and Timing tables for your region only. Refer to Table 7 for the maximum allowable use rates for specific crop and use sites.

Perennial Grasses	Midwest, South, and Northeast		West & High and Rolling Plains	
	Maximum Height (inches)	**Rate Per Acre (pints)**	**Maximum Height (inches)**	**Rate Per Acre (pints)**
Bermudagrass	6” stolon	2.25	6” stolon	3.0[2]-3.75
Johnsongrass (Rhizome)	25”	2.25	10”	2.25[2]-3.75
Johnsongrass (No-Till)	20”	2.25	-	-
Muhly, Wirestem	6”	1.875	-	-
Quackgrass[1]	8”	2.25	8”	3.75
Ryegrass, Perennial	8”	2.25	8”	2.25
Sequential Application	**Maximum Height (inches)**	**Rate Per Acre (pints)**	**Maximum Height (inches)**	**Rate Per Acre (pints)**
Bermudagrass	4” stolon	1.5	4” stolon	2.25[2]
Johnsongrass (Rhizome)	12”	1.5	8”	1.5[2]-2.25
Johnsongrass (No-Till)	12”	1.5	-	-
Sequential Application	**Maximum Height (inches)**	**Rate Per Acre (pints)**	**Maximum Height (inches)**	**Rate Per Acre (pints)**
Muhly, Wirestem	6”	1.875	-	-
Quackgrass[1]	8”	1.5	8”	2.25
Ryegrass, Perennial	8”	2.25	8”	2.25

[1]Add nitrogen to the crop oil concentrate to improve grass control on indicated species. Cultivate 7 to 14 days after an initial or sequential application to aid control.
[2]Use 2.5 pints per acre for the following forage crops; alfalfa, clover, birdsfoot trefoil, sainfoin.

Table 3. Special Application Rates and Timing for Midwest, South and Northeast

Annual Grass	Special Early Maximum Height (inches)	Early Rate Per Acre (pints)	Rescue Maximum (inches)	Rescue Rate Per Acre (pints)
Barnyardgrass	4”	1.125[1]	12”	2.25
Crabgrass, Large[3]	-	-	8”	2.25
Crabgrass, Smooth[3]	-	-	8”	2.25
Foxtail, Giant[2]	4”	1.125	16”	2.25
Foxtail, Green[2]	4”	1.125	16”	2.25
Foxtail, Yellow[2]	-	-	16”	2.25
Goosegrass	3”	1.125	8”	2.25
Johnsongrass (seedling)	-	-	16”	2.25
Millet, Wild Proso	10”	0.75	24”	1.5
Panicum, Fall	4”	1.125	12”	2.25
Panicum, Texas	4”	1.125	12”	2.25
Signalgrass, Broadleaf	4”	1.125	12”	2.25
Volunteer Corn[3]	12”	1.125	-	-

[1]In the following states use 1.0 pint: AL, AR, FL, GA, LA, MS, NC, SC, TN, TX, and VA.
[2]For flax, use 0.5 pint per acre when foxtails are less than 1.5” high. When using the special early rate, the foxtail species should not have started to tiller.
[3]Add nitrogen to the crop oil concentrate to improve grass control on indicated species.

RESCUE TREATMENT FOR CONTROLLING SELECTED ANNUAL GRASSES

If this product cannot be applied at the specified time, control larger annual grasses with a later application by increasing the rate of this product (see Table 3). DO NOT exceed the maximum rate per acre, per season, for specific crops (see Table 7).

ADDITIVES

To achieve consistent weed control, always use one of the following additives when making applications to crops listed in the Crop-Specific Information section of this label: Dash® HC, Sundance® HC, methylated/modified seed oil, or crop oil concentrate. In addition, use urea ammonium nitrate or ammonium sulfate for use on alfalfa, beans, cotton, flax, peanuts, peas, potatoes, soybeans, and Poast® Protected field corn to enhance activity on certain grass species. Refer to Table 4. Additive Rates Per Acre for more information. However, when used in vegetable crops under the following conditions, use this product plus adjuvants with caution due to potential crop leaf injury when the temperature exceeds 90°F and the relative humidity is 60% or greater, or anytime the temperature exceeds 100°F, regardless of the humidity.

Because most nitrogen solutions are mildly corrosive to galvanized, mild steel, and brass spray equipment, rinse the entire spray system with water soon after use.

Do not use UAN and AMS in the Pacific Northwest. They are not registered in California.

Consult a Nufarm representative or local agricultural authority for more information on the use of additives.

Dash® HC, Sundance® HC, Crop Oil Concentrate, or Methylated Seed Oils

A crop oil concentrate must contain either a petroleum or vegetable oil base and must meet all of the following criteria:
1. be nonphytotoxic,
2. contain only EPA-exempt ingredients,
3. provide good mixing quality in the jar test, and
4. 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 more information, refer to the Compatibility Test for Mix Components section of this label. For most crops, substitute Dash® HC or Sundance® HC spray adjuvant for crop oil concentrate or methylated seed oil; however, for some crops and tank mixes, Dash® HC, Sundance® HC and MSO are not to be used (See the Crop-Specific Information section of this label for more information).

Table 4. Additive Rates Per Acre

Additive	Ground Application	Aerial Application
AMS	2.5 pounds	2.5 pounds
Dash® HC, Sundance® HC	1.0 pint	1.0 pint
Crop Oil Concentrate	2.0 pints	2.0 pints
Methylated Seed Oils/MSO	1.5 pints	1.5 pints
UAN Solution	4.0-8.0 pints	4.0 pints

Table 5. Spot Treatment Dilution

Spray Solution Volume	Amount of Product to be Added					
	Product (1.5%)	or	Product (2.25%)	Oil Concentrate (1.0%)	or	Dash® HC, Sundance® HC (0.5%)
1 gallon	1.9 fl. oz.		2.9 fl. oz.	1.3 fl. oz.		0.6 fl. oz.
3 gallons	5.8 fl. oz.		8.75 fl. oz.	3.8 fl. oz.		1.9 fl. oz.
5 gallons	9.5 fl. oz.		14.5 fl. oz.	6.4 fl. oz.		3.2 fl. oz.
25 gallons	3.0 pints		4.5 pints	2.0 pints		1.0 pint
50 gallons	6.0 pints		9.0 pints	4.0 pints		2.0 pints
100 gallons	12.0 pints		18.0 pints	8.0 pints		4.0 pints
2 tablespoons = 1 fluid ounce (fl. oz.)						

Table 6. Spot Treatment Application Rates

Grass (see Tables 3-4 for the complete list of grasses controlled)	Concentration in Spray Solution[1]			
	Product	Crop Oil Concentrate/ Methylated Seed Oil	or	Dash® HC, Sundance® HC
Annual grasses up to 6" in height	1.5%	1.0%		0.5%
Annual grasses up to 12" in height	2.25%	1.0%		0.5%
Perennial grasses[2]	2.25%	1.0%		1.0%
[1]Refer to Table 5 (Spot Treatment Dilution) for preparing the desired solution volume. [2]Repeat application as needed.				

Table 7. Crop-Specific Restrictions and Limitations

CROP	Minimum Time from Application to Harvest (PHI)	Maximum Rate per Acre per Application	Maximum Rate per Acre per Season	Livestock Grazing or Feeding	Aircraft Application
Alfalfa, birdsfoot trefoil, and sainfoin[1]	14 days before cutting for (dry) hay	3.75 pints	9.75 pints	Yes	Yes
Alfalfa, birdsfoot trefoil, and sainfoin[1] (Undried)	7 days before grazing, feeding, or cutting for (undried) forage	3.75 pints	9.75 pints	Yes	Yes
Citrus[1]	15 days	3.75 pints	15.0 pints	No	No
Clover	7 days before grazing, feeding, or cutting for (undried) forage	3.75 pints	9.75 pints	Yes	Yes
Clover hay	20 days before grazing, feeding, or cutting for (dry) hay	3.75 pints	9.75 pints	Yes	Yes
Corn (Poast Plus™ Protected field corn only)	60 days (grain or fodder) 45 days (forage and silage)	2.25 pints	4.5 pints	Yes	Yes
Cotton[1]	40 days	3.75 pints	11.25 pints	No	Yes
Peanut[1]	40 days	2.25 pints	3.75 pints	No	Yes
Soybean[1]	75 days	3.75 pints	7.5 pints	Only seed and hay	Yes

[1]Refer to the Crop-Specific Information section of this label for more details and use restrictions.

Nitrogen Source

Urea Ammonium Nitrate (UAN): Commonly referred to as 28%, 30%, or 32% nitrogen solution, UAN may be used in addition to Dash® HC, Sundance® HC, or crop oil concentrate to improve weed control. DO NOT use brass or aluminum nozzles when spraying UAN.

Ammonium Sulfate (AMS): Substitute AMS per acre for UAN. When liquid AMS is used, substitute 3.0 quarts of 8-8-0 analysis for 2.5 pounds of dry AMS. Use high-quality AMS (spray grade) to avoid plugging of nozzles. Other sources of nitrogen are not as effective as those mentioned. If the AMS is added directly to the spray tank, add slowly while agitating. Adding the mix too quickly will clog outlet lines. Be sure the AMS is completely dissolved before adding any other products. Do not apply AMS if applied in less than 10 gallons per acre because of potential problems with precipitation in reduced volumes.

UAN and AMS are not registered in California.

GENERAL TANK MIXING INFORMATION

Tank Mix Partners/Components

Tank mix the following products, listed with its common name, with this product according to the specific tank mixing instructions in this label and respective product labels.

Atrazine
Basagran®/bentazon
Blazer®/acifluorfen
Buctril®/bromoxynil
Classic®/chlorimuron
Cobra®/lactofen
Dual Magnum®/S-metolachlor
Dual II Magnum®/S-metolachlor
FirstRate™/cloransulam-methyl
Flexstar®/fomesafen
Frontier®/dimethenamid
Galaxy®/bentazon + acifluorfen
Guardsman®/atrazine + dimethenamid
Harness®/acetochlor
Laddok® S-12/bentazon + atrazine
Liberty®/glufosinate
Pursuit®/imazethapyr
Pursuit® DG/imazethapyr
Pursuit® W/imazethapyr
Pursuit® WDG/imazethapyr
Raptor®/imazamox
Reflex®/fomesafen
Reliance™ STS/chlorimuron + thifensulfuron
Resource®/flumiclorac
Roundup Ultra®/glyphosate
Sencor® DF/metribuzin
Staple®/pyrithiobac
Stellar®/flumiclorac + lactofen
Storm™/bentazon + acifluorfen
Surpass™/acetochlor
Syncrony® STS™/chlorimuron + thifensulfuron
Touchdown®/sulfosate
2,4-D amine
2,4-DB
2,4-D (LVE)

Refer to the Crop-Specific Information section of this label 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.

If all target weeds are not at the labeled growth stage for treatment at the same time, make separate applications.

Crop injury, reduced weed control, or physical incompatibility will result from mixing this product with other pesticides (fungicides, herbicides, insecticides, or miticides), additives, or fertilizers. Do not use tank mixes other than those listed on this labeling. Use local agricultural authorities as a source of information when using other than specified tank mixes on this label.

Always perform a compatibility jar test before mixing components. Refer to the Compatibility Test for Mix Components and Mixing Order directions under the General Information section of this label.

GENERAL RESTRICTIONS AND LIMITATIONS – CROP SITES

- Avoid all direct or indirect contact with any desired grass crop unless otherwise specified on this label.
- Do not apply to crops that show injury (leaf phytotoxicity or plant stunting) produced by any other prior herbicide applications, because this injury will be enhanced or prolonged.
- Do not use UAN or AMS in California.
- Do not apply as a preplant or preemergence treatment before planting grass crops, such as corn, millet, or sorghum, unless otherwise specified on this label.
- Do not use selective application equipment such as recirculating sprayers, wiper applicators, or shielded applicators.
- Rainfast Period: This product is rainfast 1 hour after application.
- Stress: Do not apply to grasses or crops under stress due to hail damage, flooding, lack of moisture, herbicide injury, mechanical injury or widely fluctuating temperatures, as unsatisfactory control will result. In irrigated areas, irrigate before application to ensure active weed growth.

CROP-SPECIFIC INFORMATION

CROPS GROWN FOR SEED

Use this product on all crops on this label when they are grown for seed production. Use the product rates given for each crop listed in other sections on this label. Slight modifications in application methods are required for certain seed crops due to crop canopy or different cultural methods from the corresponding food crop.

FIELD CROPS

When applying to field crops, always add 1.0 pint of Dash® HC or Sundance® HC spray adjuvant, or 2 pints of oil concentrate per acre. Add 2.5 pounds of AMS or 4.0 to 8.0 pints of UAN to control crabgrass, volunteer corn and all volunteer cereals. UAN and AMS are not registered in California.

CORN

Only Poast Plus™ Protected Field corn hybrids are tolerant to applications of this product. Severe crop injury will occur to corn hybrids not designated as Poast Protected™ corn.

Not for use in California.

Make over-the-top applications of this product in Poast Protected™ field corn until the onset of pollen shed provided the appropriate preharvest intervals are met. Do not apply this product after pollination occurs.

Apply this product in a tank mix with one of the following herbicides:

Atrazine	Dual Magnum®	Frontier ®	Harness®	Surpass™
Basagran®	Dual II Magnum®	Guardsman®	Laddok® S-12	2,4-D (LVE)

COTTON

Apply this product in a tank mix with one of the following herbicides (including herbicides registered for use in cotton tolerant glyphosate and bromoxynil):

Buctril®	Roundup Ultra®	Staple®

Processed meal may be fed to animals. For best grass control, apply this product 3 days prior to Staple®.

PEANUT

Apply this product in a tank mix with one of the following herbicides:

Basagran®	Blazer®	Storm™	2,4-DB

Processed meal may be fed to animals.

SOYBEAN

In California, the maximum rate per acre per application is 2.0 pints. Only processed meal from seed or hay may be fed to animals.

Apply this product in a tank mix with one of the following herbicides (including uses in Roundup Ready®, Liberty Link® and STS varieties):

Basagran®	Frontier®	Raptor®	Storm™
Blazer®	Galaxy®	Reflex®	Snycrony® STS
Classic®	Liberty®	Reliance™ STS	Touchdown®
Cobra®	Pursuit®	Resource®	2,4-D (LVE)*
FirstRate™	Pursuit® DG	Roundup Ultra®	
Flexstar®	Pursuit® W	Stellar®	

*For use as preplant burndown only.

Tank Mix Specific Restrictions

Tank mixes of this product with Basagran® + Blazer®, Galaxy® or Storm™ herbicides are not for use in California.

Do not use MSO with any tank mix combination except with Basagran®, Pursuit® or Raptor® herbicides.

FORAGE CROPS

ALFALFA, BIRDSFOOT TREFOIL, CLOVER, SAINFOIN
Apply this product to seedling or established alfalfa and clover grown for hay, silage, green chop, direct grazing, or for seed.

Mowing: Apply this product before grass and weeds are mowed for best control of annual grasses. Once a grass is mowed it becomes tougher to control. Removing as much of the leaf surface as possible puts the grass under stress. In areas without a killing frost, some annuals can over-winter after having been mowed a number of times. These grasses can form large crowns and contain viable buds. A large crown, even if it is an annual grass, usually requires repeated applications of this product for partial or complete control.

Tank Mixing in Alfalfa, Birdsfoot Trefoil and Sainfoin Only
Apply this product in a tank mix with 2,4-DB.

Tank Mix Specific Restrictions
Do not add UAN solution or AMS to a tank mix of this product plus 2,4-DB.

Do not use a tank mix of this product plus 2,4-DB in the High and Rolling Plains of Texas, Western Oklahoma, Western Kansas, and Eastern New Mexico.

IRRIGATED ALFALFA, CLOVER, BIRDSFOOT TREFOIL, AND SAINFOIN:
Use irrigation practices to start grass weeds growing again and can be very critical to the successful use of this product. Generally, applications 2 to 4 days after irrigation are most effective since grasses resume active growth, grasses have less chance to grow too large and by waiting later, the clover or alfalfa begins to canopy and interferes with spray coverage.

Irrigation shortly after application (2 days) can be effective, but more consistent grass control is obtained when the irrigation is made before the application.

ANNUAL GRASS CONTROL
Apply this product at the grass sizes and rates listed in Tables 1 and 3. If a grass has been cut, apply this product after the regrowth reaches the minimum height (so there will be enough leaf area for absorption) and before it exceeds the maximum height indicated.

Apply before the clover or alfalfa canopies cover grasses and interfere with the spray coverage. Also, applications after a clover or alfalfa cutting need to be timed to follow an irrigation or rainfall which will allow the grasses to regrow to a treatable size.

Some annual grasses are spring and summer germinating plants, while others are fall germinating plants. The time they are actively growing and most susceptible to this product will vary from area to area. Additionally, some annuals germinate over a long time, and because control of small grasses is desired, make applications after each weed flush. As a general guideline, spray spring and summer grasses as early in the season as possible. The optimum application timing occurs very early in the spring after initial green-up. Spray fall germinating weeds in the fall soon after they begin growing but before any killing frosts. Late fall applications are be less effective due to environmental changes, such as frosts or the onset of flower.

PERENNIAL GRASS CONTROL
This product effectively controls or suppresses perennial grasses, such as Bermudagrass, johnsongrass, quackgrass, wirestem muhly, and perennial ryegrass (see Table 2). However, perennial grasses growth characteristics are such that they are more difficult to control than annual grasses, especially in a perennial crop such as established alfalfa or clover. A program of repeated application is usually necessary for best results.

The most economical method of controlling perennial grasses is to do so in the year of stand establishment before rhizomes or stolons become large and difficult to kill. The field should be disked before seeding to thoroughly fragment rhizomes or stolons.

Cool season grasses (quackgrass, wirestem muhly, and perennial ryegrass) can become very competitive under cool fall conditions in summer and fall seedings. Fall applications of this product will reduce late season grass growth and limit the ability of grasses to accumulate nutrient reserves in roots and rhizomes.

In established stands, it is important to begin applying in the spring when conditions favor active growth and before storage tissues have increased their nutrient reserves. Additional applications should be made on any grass regrowth in later cuttings.

CITRUS
Pulp and waste may be fed to livestock.

INTERSEEDED COVER CROPS
Product Activity on the Cover Crop
Grass cover crops controlled or suppressed by this use include wheat, oats, and barley, or any grass crop for which this product is labeled. This product will selectively control grass cover crops in seedling non-grass or broadleaf field forage, or vegetable crops without injury. In addition, this product will control any annual grasses that have emerged since planting. The slow dying grass can provide a protective mulch for the primary crop seedlings for up to 3 weeks after applying this product.

Apply this product to cereals that are 3 to 4” in height (before tillering). Do not allow cereals to exceed this height as excessive competition and lack of control will occur.

APPLICATION AND USE DIRECTIONS FOR:
Turf, Ornamentals, Nonfood and Noncrop Sites

Use this product in or around the following sites:

Airports
Bedding Plants
Centipedegrass and fine fescue turf
Drug and medicinal crops
Electrical transformer stations
Fences and hedgegrows
Fine fescue seed production
General indoor/outdoor sites
Ground covers
Industrial sites
Other paved areas
Perennial peanuts (nonfood)
Pipeline pumping stations
Potting and top soils
Public buildings
Recreation areas
Rights-of-way
Roadsides
Sewage disposal areas
Shrubs
Storage yards
Trees, Christmas trees
Uncultivated agricultural areas
Wildflowers

APPLICATION INSTRUCTIONS

Applications can be made to actively growing grassy weeds as aerial, broadcast, band, or spot spray applications at the rates and growth stages listed in Tables 8 and 9, unless instructed differently in the Site-Specific Information section of this label. The most effective control will result from making postemergence applications of this product early, when grassy weeds are small. Delaying application permits grassy weeds to exceed the maximum size stated and prevent adequate control.

Ground Application (Broadcast)

Water Volume: Use 5 to 50 gallons of spray solution per acre (1 to 10 pints per 1,000 square feet).

Spray Pressure: Use 30 to 60 psi (measured at the boom, not at the pump or in the line). When crop and grass weed foliage is dense, use a minimum of 20 gallons (3.67 pints per 1,000 square feet) of water and 60 psi.

Application Equipment: Use standard high-pressure pesticide flat fan or hollow cone nozzles spaced up to 20 inches apart. Do not use flood, whirl chamber, or controlled droplet applicator (CDA) nozzles as erratic coverage can cause inconsistent weed control. Refer to the nozzle manufacturer's directions for specified height. Do not use selective application equipment such as wiper applicators or recirculating sprayers.

Spot or Small Area Application

Apply this product using tank-type, knapsack sprayers, high-volume equipment with hand guns, or other suitable nozzle arrangements. Prepare a solution of this product in water according to Table 9. Do not make spot treatments in addition to broadcast or band treatments.

Table 8. Application Rates for Grass Control

<table>
<tr><th rowspan="2">Grass</th><th colspan="2">Product (Rate)</th></tr>
<tr><th>Grasses up to 6" height</th><th>Grasses up to 12" height</th></tr>
<tr><td>Bahiagrass[1]
Barnyardgrass
Bentgrass, Colonial
Bentgrass, Highland
Broadleaf Signalgrass
Crabgrass, Large[1]
Crabgrass, Smooth[1]
Downy Brome[4]
German Velvetgrass[1]
Goosegrass[1,2]
Johnsongrass, Rhizome
Johnsongrass, Seedling
Junglerice
Lovegrass
Orchardgrass, Seedling
Panicum, Browntop
Panicum, Fall
Panicum, Texas
Quackgrass
Ryegrass, Annual[3]
Sandbur, Field
Shattercane/Wildcane
Sprangletop, Red*
Tall Fescue, Seedling
Volunteer, Barley</td><td rowspan="2">2.14 pints per acre
or
0.8 fluid ounces per 1,000 square feet</td><td rowspan="2">3.75 pints per acre
or
1.4 fluid ounces per 1,000 square feet</td></tr>
<tr><td>Volunteer, Oats
Volunteer, Rye
Volunteer, Wheat
Wild Oats
Wild Proso Millet
Wirestem Muhly
Witchgrass
Wooly Cupgrass</td></tr>
<tr><td colspan="3">[1]Up to 4"
[2]In seedling Centipedegrass and fine fescue, use 1.5 pints (0.5 fl. oz.)
[3]Up to 8"
[4]Up to 6"
*Not for use in CA, AZ, or Western NM</td></tr>
</table>

Table 9. Spot Treatment Application Rates

Grass	Concentration of Product in Spray Solution
Annual grasses up to 6" height	1.5%
Annual grasses up to 12" height	2.25%
Perennial grasses	2.25%[1]
[1]Use 1.5% for wirestem muhly	

Table 10. Spot Treatment Dilution

Spray Solution Volume	Amount of Product to be Added	
	1.5% v/v	2.25% v/v
1 gallon	2 fl. oz.	3 fl. oz.
3 gallons	6 fl. oz.	9 fl. oz.
5 gallons	9.5 fl. oz.	14.5 fl. oz.

ADDITIVES

No additives or adjuvants are needed for use with this product when applied to turf, ornamentals, nonfood and noncrop sites. Always perform a compatibility jar test before mixing components. Refer to the Compatibility Test for Mix Components and Mixing Order directions under the General Information section of this label for additional information.

TANK MIXING APPLICATION
Always read and follow the applicable Restrictions and Limitations and Directions for Use on all products involved in tank mixing. Refer to the Site-Specific Information section of this label for more details. The most restrictive labeling applies to tank mixes. Separate applications should be made if all target grassy weeds are not at the correct growth stage for treatment at the same time.

Tank Mix Partners
Tank mix the following herbicides with this product in accordance with the instructions in the respective product labels.

Basagran® T/O	Basagran® SG	Fortune®*
Goal™	Stinger™	Surflan™ AS

*For use only in AZ, NV, OR, and WA

Crop injury, reduced grass weed control or physical incompatibility may result from mixing this product with other pesticides (fungicides, herbicides, insecticides, or miticides), additives, or fertilizers. Do not use tank mixes other than those listed on this label. Use local agricultural authorities as a source of information when using other than tank mixes on this label.

GENERAL RESTRICTIONS AND LIMITATIONS – TURF, ORNAMENTAL, NONFOOD AND NONCROP USE SITES

- Avoid all direct or indirect contact with any desired grass crop unless otherwise specified on this label.
- Do not use treated vegetation as pasture, hay, feed, or forage.
- Do not apply this product with another pesticide whose label prohibits use with additives, surfactants, or oil adjuvants.
- Do not use selective application equipment such as recirculating sprayers, wiper applicators, or shielded applicators.
- Do not apply through any type of irrigation equipment.
- This product is rainfast 1 hour after application.
- Do not apply to grasses or crops under stress such as stress due to lack of moisture, hail damage, flooding, herbicide injury, mechanical injury, or widely fluctuating temperatures, as unsatisfactory control can result.
- Do not apply to crops that show injury (leaf phytotoxicity or plant stunting) produced by any other prior herbicide applications as this injury will be enhanced or prolonged.

SITE-SPECIFIC INFORMATION

CHRISTMAS TREE AND DECIDUOUS TREE FARMS

Use this product to control annual and perennial grasses in Christmas and deciduous tree farms. If a Christmas tree or deciduous tree is not listed on this label, the user determines if this product can be used safely prior to broad use by applying the specified use rate of product to the target plant on a small test area under the conditions expected to be encountered. Any adverse effects should be visible within 7 days.

Table 11. Christmas Trees

Common Name	Scientific Name
Fir, Balsam	*Abies balsamea*
Fir, Douglas	*Pseudotsuga menziesii*
Fir, Frasier	*Abies fraseri*
Fir, Grand	*Abies grandis*
Fir, Noble	*Abies procera (A. nobilis)*
Fir, Nordmann	*Abies nordmanniana*
Fir, Red	*Abies, magnifica*
Fir, Shasta	*Abies, magnifica*
Fir, Turkish	
Fir, White	*Abies concolor*
Hemlock, Canada	*Tsuga canadensis*
Pine, Austrian	*Pinus nigra*
Pine, Lodgepole	*Pinus contorta latifolia*
Pine, Monterey	*Pinus radiate*
Pine, Ponderosa	*Pinus ponderosa*
Pine, Scotch	*Pinus sylvestris*
Pine, Southern (Longleaf)	*Pinus palustris*
Pine, Virginia	*Pinus virginiana*
Pine, White	*Pinus strobus*
Spruce, Black Hills	*Picea glauca*
Spruce, Colorado Blue	*Picea pungens*
Spruce, Norway	*Picea abies*
Spruce, White	*Picea glauca*

Tank Mixes

Nufarm Sethoxydim SPC Herbicide + Goal™ 1.6E Herbicide
This product: Up to 3.75 pints
Goal™ 1.6E: Up to 2.5 pints

or

Nufarm Sethoxydim SPC Herbicide + Goal™ T/O 2-XL Herbicide
This product : Up to 3.75 pints
Goal™ T/O 2-XL: 1.0 to 2.0 pints

(Not for use in California)

Apply these tank mixes to control a broad spectrum of grass and broadleaf weeds in conifers and Christmas trees. Consult the Goal™ 1.6E and Goal™ T/O 2-XL labels for the list of grassy weeds and/or broadleaf weeds controlled. See previous pages for the minimum specified rates of this product and see the Goal™ 1.6E and Goal™ T/O 2-XL labels for minimum rates of Goal™ 1.6E and Goal™ T/O 2-XL. Two to three applications is needed for season long control. In some cases, reduced grass control will result when tank mixing this product with Goal™ 1.6E and Goal™ T/O 2-XL.

Apply a spray volume of 20 gallons per acre at 40 psi before conifer bud break or after conifer foliage has had an opportunity to harden off. Broadleaf weeds must be within the height indicated on the Goal™ 1.6E and Goal™ T/O 2-XL labels. Refer to the Goal™ labels for preemergence weed control application rates.

Specific Restrictions and Limitations
- Do not apply this tank mix by aircraft equipment.
- Do not apply this tank mix when temperatures exceed 90°F.
- Do not apply this tank mix to conifer seedlings less than 10 months old.

Nufarm Sethoxydim SPC Herbicide + Stinger™ Herbicide
This product: 0.5 to 1.5 pints
Stinger™: refer to the manufacturer's label

A postemergence tank mix application of this product plus Stinger™ will not only control a broad spectrum of grasses, but also certain broadleaf weeds such as Canada thistle, clover, vetch, knapweed and suppress other broadleaf weeds. Consult the Stinger™ label for a list of broadleaf weeds controlled.

Apply this tank mix only over-the-top of the following actively growing trees: fir (balsam, Douglas, frasier, grand, noble), pine (lodgepole, ponderosa, scotch, white), and spruce (blue).

Specific Restrictions and Limitations
- Do not apply more than 0.5 pint of Stinger™ per acre on blue spruce.
- In the Pacific Northwest, do not apply this tank mix in the first year of transplanting as injury (leaf cutting) may occur.
- Do not add a surfactant or oil concentrate to this tank mix as injury may occur.

NONBEARING FOOD CROPS, ORNAMENTAL and NURSERY PLANTINGS, RIGHTS-OF-WAY, NONFOOD CROP AREAS, NONCROP AREAS, and FALLOW LAND

Apply this product to nonbearing food crops, nursery liners, shrubs, trees, ornamentals, bedding plants, cut flowers, and ground covers including those listed in Table 13. If species in the application site are not listed in Table 13, apply this product as a directed spray away from the foliage of desired plants. Apply this product to sites such as rights-of-way, fallow land, noncrop areas and nonfood crop areas such as airports, industrial sites, roadsides, and storage yards. Repeat application if new germination or regrowth occurs.

ORNAMENTAL SITES

Tank Mixes

Nufarm Sethoxydim SPC Herbicide + Basagran® T/O Herbicide
This product: Up to 3.75 pints
Basagran® T/O: Up to 4 pints

or

Nufarm Sethoxydim SPC Herbicide + Basagran® SG Herbicide
This product: Up to 3.75 pints
Basagran® SG: Up to 18 ounces

Apply these tank mixes as a directed spray to control yellow nutsedge, grass, and broadleaf weeds in nonbearing food crops and ornamental sites including trees, shrubs, ground covers, and bedding plants. These tank mixes should be applied as a directed spray away from the foliage of desirable plants. If any desirable plant foliage receives direct or indirect application, wash off immediately. The use of an oil concentrate as mentioned on the Basagran® T/O and Basagran® SG labels is not necessary in this tank mix. Make over-the-top applications of this tank mix to certain ground covers. Consult the Basagran® T/O and Basagran® SG labels for this listing.

Nufarm Sethoxydim SPC Herbicide + Surflan™ AS Herbicide
This product: Up to 3.75 pints
Surflan™ AS: Up to 4 pints

Apply a tank mix of this product + Surflan™ AS to control weeds in ornamental sites including trees, groundcovers and shrubs.

Nufarm Sethoxydim SPC Herbicide + Fortune® Herbicide
This product: Up to 3.75 pints
Fortune®: Up to 4 pints

Apply a tank mix of this product + Fortune® to control weeds in these states: AZ, NV, OR, and WA.

ROADSIDES, RIGHTS-OF-WAY, and NONFOOD CROP ALLEYWAYS

(Not intended for domestic use, except by professional applicators)

This product will suppress the initiation and development of the seedheads of established tall fescue. Discoloration of the fescue will occur soon after application and persist for 2 to 8 weeks depending on environmental conditions. Avoid applying to any tall fescue area where discoloration is aesthetically unacceptable.

Timing: Apply this product to tall fescue before the emergence of seedheads in the spring. Do not apply after May 1 in Alabama, Georgia, and Tennessee; timing will vary in other areas. Tall fescue must be one year old before the first application of this product.
Rate: Apply 1.5 pints per acre (0.6 ounces per 1,000 square feet) of this product.
Spray Volume: Use 30 to 50 gallons per acre (5.5 to 9.0 pints per 1,000 square feet).

Restrictions and Limitations
Do not make more than one application of this product to tall fescue per year. Do not use treated vegetation as feed, forage, hay or silage. This product will not injure clovers, vetch, or other broadleaf plants that are present.

TREE FARMS

Established Tall Fescue Growth Suppression:
Use this product in tree farms to suppress the growth of tall fescue when grown as a desired ground cover. Tall fescue must be actively growing at the time of the application of this product or injury may occur. Follow the directions on rates and timing closely.

Timing: Apply this product to tall fescue after it has had 4 to 6 inches of new growth, before the emergence of seedheads and before conifer bud break. Application from July 1 to mid-August may be less effective, especially if day temperatures reach 90°F. Tall fescue must be one year old before the first application of this product.

Rate: Apply 3 to 3.75 pints of this product per acre (0.6 to 0.7 ounces per 1,000 square feet). For greater fescue suppression, up to 60 fluid ounces of this product can be used per acre (1.4 ounces per 1,000 square feet). Local environmental differences or growth differences at the time of application to tall fescue may cause results to be different from those desired. Users of this product are advised to begin applications at the minimum specified rate and adjust rates as local conditions and experience dictate. Make additional applications if extended growth suppression is desired.

WILDFLOWERS

Use this product to control grass in native wildflowers on roadsides and in landscapes. This product will reduce the competition from grasses on wildflower species. Grass competition can cause flower stand thinning, stunting and reduced seed production, reducing the aesthetic value and the resetting potential of the wildflower stand. Many wildflower species are tolerant of applications of this product such as those listed in Table 13. Apply this product prior to blooming.

Application Timing
Apply this product to grass after wildflowers have emerged, but not during flowering. Apply 4 to 6 weeks after wildflowers have emerged, but always base the application timing on grass size. Make broadcast applications according to the Application Rates for Grass Control table on this label. Make a second application if a new flush of grass occurs later in the growing season.

TURF, LAWNS, RIGHTS-OF-WAY

Fine Fescue Grown for Turf Seed (Not for use in California):
Use this product to control annual and perennial grass weeds in fine fescue. On seedling centipedegrass, do not apply more than 1.5 pints per acre per application, or 3 pints per acre per season. On established centipedegrass, do not apply more than 2.25 pints per acre per application or 4.5 pints per acre per season. Applications should be made in the Pacific Northwest from November 1 to March 15 at the rates indicated in Table 12. Applying this product at other times of the year will generally result in reduced control of these problem grass weeds. This product does not control annual bluegrass or rattail fescue.

Restrictions and Limitations
Do not apply this product to desirable tall fescue turf.

Table 12. Application Rates for Pacific Northwest Only

Grass Species	Weed Size	Rate per Acre*
Annual Grasses		
Annual Ryegrass	4-8”	2.25 pints
Downy Brome[1]	2-6”	3.75 pints
Perennial Grasses		
German Velvetgrass	2-4”	3-3.75 pints
Colonial and Highland Bentgrasses	2-4”	2.25-3.75 pints
[1]Also called “cheatgrass”		
*If regrowth occurs or new plants emerge, make a second application at the same rate and weed size.		

Tank Mixes

Nufarm Sethoxydim SPC Herbicide + Basagran® T/O Herbicide
This product: 2.25 pints
Basagran® T/O: 2 to 4 pints

(Not applicable in California)

Apply a tank mix of this product and Basagran® T/O to control yellow nutsedge (nutgrass), grass, and broadleaf weeds in centipedegrass and fine fescue areas. Apply this tank mix to established turfgrass. Do not apply to newly seeded turf sites until the turf has become fully established. The use of oil concentrate in this tank mix is not needed.

Table 13. Tolerant Species List

Common Name	Scientific Name	Common Name	Scientific Name
Tolerant Tree Species			
Acacia, Knife Leaf	*Acacia cultriformis*	New Zealand Christmas Tree	*Metrosideros excelsus*
Arborvitae, Eastern	*(var: Teehny) Thuja occidentalis*	Oak	*Quercus*
Arborvitae, Berkmans, Oriental	*Thuja Orientalis*	Oak, Water	*Quercus nigra*
Ash, Green	*Fraxinus pennsylvanicum*	Oak, Willow	*Quercus phellos*
Ash, Mountain	*Sorbus aucuparia*	Olive Tree	*Olea europaea*
Ash, Mountain	*Sorbus americana decora*	Olive, Russian	*Elaeagnus angustifolia*
Ash, White	*Fraxinus americana*	Orchid Tree, Purple	*Bauhinia variegata*
Basswood, American	*Tilia americana*	Osage Orange	*Maclura pomifera*
Berkman’s Oriental	*Thuja orientalis*	Palm, Mediterranean fan	*Chamaerops humilis*
Birch	*Betula sp.*	Palm, Pygmy Date	*Phoenix roebelenii*
Birch, Asian White	*(var. Japonica) Betula platyphylla*	Palm, Queen	*Arecastrum romanzoffianum*
Birch, European White	*Betula pendula*	Palm, Sago	*Cycas revoluta*
Birch, paper	*Betula papyrifolia*	Palm, Windmill	*Tracheocarpus fortunei*
Birch, River, Black or Red	*Betula nigra*	Palo Verde, Green	*Parkinsonia aculeate*
Black Locust	*Robinia pseudoacacia*	Paulownia Royal	*Paulownia tomentosa*
Bottle-brush	*Callistemon lanceolatus*	Pear, Common	*Pyrus communis*
Bottle Tree	*Brachychiton populneus*	Pear, Evergreen	*Pyrus kawakamii*

Continued

Continued

Common Name	Scientific Name	Common Name	Scientific Name
Tolerant Tree Species			
Brisbane Box Tree	*Tristania conferta*	Pear, Ussurian	*Pyrus ussuriensis*
Cajeput Tree	*Melaleuca quinquenervia*	Pepper, Brazilean	*Schinus terebinthifolius*
Carob Tree	*Ceratonia siliqua*	Pine, Aleppo	*Pinus halepensis*
Carrot Wood	*Cupaniopsis anacardioides*	Pine, Austrian	*Pinus nigra*
Catalpa, Southern	*Catalpa bignonioides*	Pine, Canary Island	*Pinus canariensis*
Cherry, Black	*Prunus serotina*	Pine, Caribbean Slash	*Pinus caribean*
Cherry, Carolina	*Prunus caroliniana "compacta"*	Pine, Italian Stone	*Pinus pinea*
Crabapple, Flowering	*(var. Dalgo, Radiant, Red, Splendor, Royalty, Vanguard, Sylvestris, Domestic) Malus sp.*	Pine, Jack	*Pinus banksiana*
Cypress, False	*Chamaecyparis pisifera*	Pine, Japanese Black	*Pinus thunbergii*
Cypress, Leyland	*Cupressocyparis leylandii*	Pine, Loblolly	*Pinus taeda*
Cypress, Italian	*Cupressus sempervirens*	Pine, Mugho	*Pinus mugho*
Dogwood, Flowering	*Cornus florida*	Pine, Ponderosa, Western yellow	*Pinus ponderosa*
Dogwood, Silky	*Cornus amonum*	Pine, Red	*Pinus resinosa*
Dogwood, Pagoda	*Cornus alternifolia*	Pine, Scotch	*Pinus sylvestris*
Elm, Chinese Evergreen	*Ulmus parvifolia*	Pine, Shore	*Pinus contra*
Eucalyptus	*Eucalyptus robusta, lehmannii, nicholi granis*	Pine, Slash	*Pinus ellottii*
Fir	*Abies, sp.*	Pine, Southern	*Pinus palustris*
Fir, Douglas	*Pseudotsuga menziesii*	Pine, Virginia	*Pinus virginiana*
Fir, Frasier	*Abies fraseri*	Pine, white	*Pinus strobus*
Fir, White	*Abies concolor*	Pine, White Japanese	*Pinus parviflora*
Goldentrain Tree	*Koelreuteria paniculata*	Pine, Yew	*Podocarpus macrophyllus*
Guava	*Psidium littorale*	Plum, Wild	*Prunus americana*
Guava, Pineapple	*Feijoa sellowiana*	Poplar, Hybrid	*Populus alba*
Gum, Blue	*Eucalyptus globulus*	Popular, Yellow, Tulip Tree	*Liriodendron tulipifera*
Gum, Lemon-scented	*Eucalyptus citriodera*	Purpleleaf, Bailey Acacia	*Acacia baileyana*
Gum, Red Box	*Eucalyptus polyanthemos*	Redwood, Coast	*Sequoia sempervirens*
Hackberry, Common	*Celtis occidentalis*	Sandcherry, Western	*Prunus besseyi*
Hemlock, Canadian	*Tsuga canadensis*	Sensitive Plant	*Mimosa pudica*
Holly, Chinese	*(var. Bufordii, Rotunda) Ilex cornuta*	Silt Tree	*Albizia julibrissin*
Holly, Hybrid	*(var. Nellie, Stevens) Ilex spares*	Spruce, Black Hills	*(var. Densata) Picea glauca*
Holly, Japanese	*(var. Convexa, Compacta, Helleri, Hoogendorn) Ilex crenata*	Spruce, Colorado Blue	*Picea pungens*
Holly, Yaupon	*Ilex vomitoria*	Spruce, Norway	*Picea abies*
Ironbark, Red	*Eucalyptus sideroxylon*	Spruce, White	*Picea glauca*
Jacaranda	*Jacaranda mimosifolia*	Strawberry Tree	*Arbutus unedo*
Kentucky Coffee Tree	*Gymnocladus dioicus*	Sumac, Standard, African	*Rhus lancea*
Larch, European	*Larix europa*	Sweet Gum	*Liquidambar stryaciflus*
Laurel, Indian	*Ficus microcarpa nitida*	Sycamore	*Platanus occidentalis*
Linden	*Tilia americana*	Tea Tree, Australian	*Leptospermun laevigatum*
Linden, Littleleaf	*Tilia cordata*	Tipu Tree	*Tipuana tipu*
Locust, Honey	*Gleditsia triacanthos inermis*	Walnut, Black	*Juglans nigra*
Loquat	*Eriobotrya japonica*	Weeping, Fig, Exotica	*Ficus benjamina*
Magnolia Southern	*Magnolia grandiflora*	Willow	*Salix matsudana tortuosa*
Maple, Red	*Acer rubrum*	Willow, Australian	*Geijera parviflora*
Maple, Japanese	*Acer palmatum*	Willow, Desert	*Pittosporum phillyraeoides*
Maple, Silver	*Acer saccharinum*	Willow, Peppermint	*Agonis flexuosa*
Mimosa Tree	*(silk tree) Albizia julibrissin*	Yate, Bushy	*Eucalyptus lehmannii*
Myoporum	*Myoporum laetum*	Yew, English	*Taxus baccata*

Tolerant Shrub Species			
Abelia, Glossy	*Abelia grandiflora*	Juniper, Ozark	*Juniperus sp.*
Acacia, Bailey	*Acacia baileyana*	Juniper, Rocky Mountain	*(var. Blue Heaven, Welchii, Wichita Blue, Medova, Moffet, Pyramidal Green, Springtime, Admiral) Juniperus scopulorum*
Acacia, Knife Leaf	*Acacia cultriformis*	Juniper, Savin	*(var. Skandia, Arcadia, Broadmoor, Buffalo, Pepin) Juniperus sabina*
Acacia, Prostrate	*Acacia redolens*	Juniper, Shore	*(var. Compacta) Juniperus conferta*
Acacia, Sydney Golden Wattle	*Acacia longifolia*	Juniper, Tam	*(var. Tamariscifolia) Juniperus sabina*
Andromeda	*Pieris japonica*	Lantana, Purple Trailing	*Lantana montevidensis*
Arborvitae, Oriental	*Platycladus orientalis*	Laurustinus	*Viburnum tinus*
Arrowwood, Southern	*Viburnum dentatum*	Lemonade, Berry	*Rhus integrifolia*
Azalea, Mollis hybrid	*R. x kosterianum*	Lilac, Common Purple	*Syringa vulgaris purpura*
Azalea, Northern Lights Hybrid	*R. x kosterianum x R. prinophyllum*	Liriope, Green	*Liriope muscari*
Bamboo, Heavenly	*Nandina domestica*	Liriope, Variegated	*Liriope muscari*
Barberry, Japanese	*Berberis thunbergii*	Mickey Mouse Bush	*Ochna serrulata*

Continued

Continued

Common Name	Scientific Name	Common Name	Scientific Name
Tolerant Shrub Species			
Barberry, Korean	*Berberis koreana*	Mirror Plant	*Coprosma repens*
Barberry, Redleaf	*Berberis virginian*	Mock Orange	*Pittosporum tobira*
Birds of Paradise Bush	*Caesalpinia gillesil*	Mountain, Lilac, Carmel Creeper	*Ceanothus griseus*
Bluebeard	*Caryopteris clandonensis*	Myrtle, Dwarf	*Myrtus communis compacta*
Boxwood, Common	*Buxus sempervirens*	Nandina, Heavenly Bamboo	*Nandina domestica*
Boxwood, African	*Myrsine africana*	Nannyberry	*Viburnum lantago*
Boxwood, Japanese	*(var. Japonica) Buxus microphylla*	Ninebark	*Physocarpus opulifolium (var. aureus) Physocarpus opulifolium nanus*
Buckthorn, Glossy, Alder	*Rhamnus frangula*	Oleander	*Nerium oleander*
Camellia	*Camellia japonica, Camellia sasanqua*	Orchid, rockrose	*Cistus purpureus*
Cedar, Eastern Red	*(var. Pyramidiformus, caneartl) Juniperus virginiana*	Oregon Grape	*Mahonia aquifolium*
Cherry, Brush	*Eugenia myrtifolia*	Osmanthus, Holly-leaf	*Osmanthus heterophuyllus*
Cherry, Manchu, Nanking	*Prunus tomentosa*	Osmanthus, Sweet Olive	*Osmanthus fragrans*
Chokecherry, sp.	*Aronia meloelata*	Palm, Natal	*(var. Green Carpet Tuttle) Carissa grandiflora*
Copper Plant, Caribbean	*Euphoria cotinifolia*	Pampas Grass	*Cortederia selloana*
Cotoneaster, Bearberry	*Cotoneaster dammerii*	Photinia	*Photinia sp.*
Cotoneaster, Cranberry	*Cotoneaster apiculata*	Photinia, Fraser	*Photinia fraser*
Cotoneaster, 'lowfast' Peking	*Cotoneaster acutifolia*	Pink Lady	*Rahioleis indica*
Coyote Bush	*Baccharis pilularis*	Pink Powder Puff	*Calliandra haematocephala*
Cranberry Bush, American	*Viburnum trilobum*	Pittosporum, Variegated Japanese	*Pittosporum tobira variegate*
Cranberry Bush, Golden	*Biburnum opulus aureum*	Plumbago, Cape	*Plumbago capensis*
Crape, Myrtle	*Lagestromia indica*	Podocarpus, Yew	*Podocarpus macrophyllus*
Currant, Alpine	*Ribes alpinum*	Princess Flower	*Tibouchina urvilleana*
Dogwood, Red Osier	*Cornus stolonifera*	Privet	*Ligustrum indica*
Elaeagnus	*Elaeagnus umbellate*	Privet, Glossy	*(var. Lake Tresca) Ligustrum lucidum*
Escallonia	*Escallonia fradesii, Escallonia rubia*	Privet, Japanese, Waxleaf	*Ligustrum japonicum*
Euonymus, Evergreen	*(var. Golden, Silver King) Euonymus japonica*	Privet, Texas	*Ligustrum texanum*
Euonymus, Winged	*Euonymus alata*	Purple Hop Bush	*Dodonaea viscosa*
Fig, Creeping	*Ficus repens*	Pyracantha	*Pyracantha graberi*
Firethorn	*Pyracantha graberi*	Rhododendron-Azalea	*(var. Hinocrimson, Hershey Red, Coral Blue, Hinodigiri, Christmas Cheer, Pink Ruffle, Formosa Flame, Delaware Valley White, New White) Rhododendron sp.*
Forsythia, Greenstem	*Forsythia viridissima bronxeniss*	Sandcherry, Purpleleaf	*Prunus cistena*
Flax, New Zealand	*Phormium tenax*	Serviceberry, Allegheny	*Amelanchier laevis*
Fuchsia, Australian	*Correa pulchella*	Serviceberry, Saskatoon	*(var. Regent) Amelanchier alnifolia*
Gardenia	*(var. Mystery, Padicans) Gardenia augusta, Gardenia jasminoides*	Silver King	*Euonymus japonica*
Gardenia, Dwarf	*(var. Veitchii) Gardenia jasminoides*	Sky Flower, Brazilian	*Duranta stenostachya*
Gold Vine, Guinea	*Hibbertia scandens*	Snowball Bush	*Viburnum opulus sterilis*
Hakea	*Hakea proteacea*	Spindle Tree	*Euonymus kiautschovica*
Hawthorn, Indian	*Phaphiolepis indica*	Spiraea	*Spiraea vanhouteii (var. Anthony Waterer, Froebellii, Goldflame) Spirea bumalda, (var. Fairy Queen) Spirea trilobataiovica, (var. Snowbound) Spiraea nipponicaiovica*
Hibiscus, Blue	*Alyogyne huegelli*	Star Plant, Lavender	*Grewia occidentalis*
Hibiscus, Chinese	*Hibiscus rosa-sinensis*	Tea Tree, Australian	*Leptospermum laevigatum*
Holly, Dwarf Burford	*(var. Burfordii Nana) Ilex comuta*	Tea Tree, New Zealand	*(var. RedGlow) Leptospermum scoparium*
Honeysuckle, Bush	*Diervelle lonicera*	Texas Ranger	*Leucophyllum frutescens*
Honeysuckle, Cape	*Tecomaria capensis*	Toyon, California Holly	*Hetermeles arbutifolia*
Hydrangea	*Hydrangea macrophylla*	Trumpet Vine, Pink	*Pandorea rosea*
Jasmine, Asiatic	*Trachelopsermum asiaticum*	Veronica	*Hebe 'Coed'*
Jasmine, Orange	*Murraya paniculata*	Viburnum, Japanese	*Viburnum japonicum*
Jasmine, Star	*Trachelospermum jasminoides*	Viburnum, Sandankwa	*Viburnum suspensum*
Jasmine, Winter	*Jasmine nudiflorum*	Wayfaring Tree	*Viburnum lantanoides*
Jessamine, Carolina	*Gelsemium sempervirens*	Weeping Fig, Exotica	*Ficus benjamina*
Jojoba	*Simmondsia chinensis*	Wheelers Dwarf, Variegated	*(var. Wheller) Pittosporum tobira*
Juniper, Chinese	*(var. Maneyi, Old Gold, Phtzerana, Sea Green, Hekii, Nana, Torulosa, Phtzerana, Aurea, Pfitzer, Golden Pfitzer) Juniperus chinensis*	Yellow Bells	*Tecoma stans*

Continued

Continued

Common Name	Scientific Name	Common Name	Scientific Name
Tolerant Shrub Species			
Juniper, Creeping	*(var. Bluechip, Hughes, Plumosa, Prince of Wales, Webberi, Wiltonii, Bar Harbor, Andorra, Variegata, Youngstown Blue Rud) Juniperus horizontalis*	Yesterday-Today-and-Tomorrow	*Brunfelsia calycina*
Yew	*Taxus cuspitata vigatum*		
Tolerant Ornamentals and Bedding Plants			
Allysum	*Alyssum sp.*	Jack-in-the-Pulpit	*Arisaemia pusillum, Mrs. Bradshaw Improved*
Asparagus, Myers	*(var. Meyeri) Asparagus densiflorus*	Jade Plant	*Crassula argentea*
Asparagus, Sprenger	*(var. Sprengeri) Asparagus densiflorus*	Jasmine, Madagascar	*Stephanotis floribunda*
Aster, New York	*Aster novi-belgii*	Lamb's Ear	*Stachys lanata*
Aster, Stokes	*(var. Blue, White) Stokesia cyanae*	Lavender, English	*Lavandula vera*
Baby's Breath	*(var. Bristo Fairy) Gypsophila paniculata*	Lavender, French	*Lavandula dentate*
Begonia	*Begonia semperflorens*	Lavender, Cotton	*Santolina chamaecyparisus*
Bellflower, Tussock	*(var. Canterbury Bells) Campula carpatica*	Lilac, Chinese	*Syringa chinensis*
Bittersweet, American	*Calastrus scandens*	Lilac, Common Purple	*(var. Charles Joly, Ludwig, Spaeth, Jay Tree) Syringa vulgaris purpurpa*
Black-eyed Susan	*(var. Goldilocks) Rudbeckia hirta*	Lilac, Meyer	*(var. Palibin) Syringa sp.*
Bleeding Heart	*Dicentra spectabilis*	Lilac, Korean	*(var. Miss Kim) Syringa patula*
Butterfly Weed	*Asclepias tuberose*	Lilac, Mountain	*Ceanothus griseus*
Bower Vine	*Pandorea jasminoides*	Lily-of-the-Nile, Peter Pan	*Agapanthus africanus*
Cactus, Barrel	*Echinocactus sp.*	Lily-of-the-Valley	*Convallaria majalis*
Candytuft	*Iberis sempervirens, Iberis amara*	Lobelia	*Lobelia erinus*
Canna	*Canna sp.*	Marigold	*Tagetes sp.*
Cassia, Feathery	*Cassia artemisioides*	Mirror Plant	*Coprosma baureri*
Chrysanthemum, Marguarite	*Chrysanthemum frutescens, Chrysanthemum indicum*	Mirror Plant, Variegated	*Coprosma repens*
Cockscomb	*Celosia argentea, Canna*	Moneywort, Creeping Jenny	*Lysimachia nummalaria*
Coleus	*Coleus blumei*	Moss, Rose	*Portulaca grandiflora*
Coneflower, Purple	*(var. Gloriosa Dairy) Echinacea purpurea*	Moss, Sandwort	*Arenaria verna*
Coralbells	*Heuchera sanguinea*	Pansy, Johnny-Jump-Up	*Viola tricolor*
Coreopsis	*(var. Sunray) Coreopsis lanceolata*	Pepper, Ornamental	*Capsicum sp.*
Cup of Gold Vine	*Solandra maxima*	Periwinkle, Madagascar	*Catharanthus roseus, Vinca minor*
Daffodil	*Narcissus spp.*	Petunia	*Petunia sp.*
Dahlia	*Dahlia pinnata*	Phlox, Perennial	*Phlox paniculata*
Daisy Bush	*Euryops pectinatus*	Plantain Lily	*Hosta sp.*
Daisy Bush, Blue	*Felicia amellioides*	Purple Loosestrife	*(var. Morden's Gleam) Lythrumvirgatum*
Daisy, Shasta	*(var. Alaska) Chrysanthemum maximum*	Raspberry Ice	*Bougianvillea sp.*
Daylily	*Hemerocallis hybrids*	Sage	*Salvia greggii*
Dianthus	*Dianthus deltoids*	Sea Pinks, Thrift	*Armeria maritime*
Dragonhead, False	*Physostegia virginiana*	Sedum, Stonecrop	*Sedum x rubrotinctum, Lavender cotton*
Dusty Miller	*Centaurea cineraria*	Shrimp Plant	*Justicia brandegeana*
Fern, Sprenger Asparagus	*Asparagus densiflorus Sprengeril*	Sky Flower, Brazilian	*Duranta stenostachya*
Fescue, Blue	*Festuca ovina*	Snail Vine	*Vigna caracalla*
Flowering tobacco	*Nicotiana sp.*	Snapdragon	*Antirrhinum majus*
Fountain Grass, Red	*Pennisetum setaceum*	Speedwell, Spike	*Veronica spicata*
Gazania	*Gazania ringens leucolaena, Gazania sp.*	Statice, Perennial	*Limonium perezil*
Geranium	*Geranium sp.*	Stock	*Mattiola incana*
Geranium, Martha Washington	*Pelargonium domesticum*	Sweet Grass	*Acorus gramineus*
Gerbera Daisy	*Gerbera jamesonii*	Sweet William	*Dianthus barbatus*
Geum	*(var. Lady Strathedon, Mrs. Bradshaw, Mrs. Bradshaw Improved) Geum quellyon*	Transvaal Daisy	*Gerbera jamesonii*
Gladiolus	*Gladiolus sp.*	Trumpet Vine, Blood red	*Distictis buccinatoria*
Heather, False	*Cuphea hyssopifolia*	Trumpet Vine, Lavender	*Clytostoma callistegioides*
Honeysuckle, Amar	*Lonicera maachii*	Trumpet Vine, Pink	*Pandorea rosea*
Honeysuckle, Fly	*(var. Emerald Mound, Clavey's Dwarf) Lonicera xylosteum*	Tulip	*Tulipa spp.*
Honeysuckle, Japanese	*Lonicera japonica*	Verbena	*Verbena sp.*
Honeysuckle, Morrow	*Lonicera morrowii*	Wandering Jew	*Trade scantia sp.*
Honeysuckle, Tatarian	*(var. Zabeli) Lonicera tatarica*	Wisteria	*Wisteria sinensis*

Continued

Continued

Common Name	Scientific Name	Common Name	Scientific Name
Tolerant Ornamentals and Bedding Plants			
Hopseed Bush, Purple	*(var. Purpurea) Dodonaea viscose*	Yarrow	*(var. Cerise Queen) Achillea Millefolium*
Impatiens	*Impatiens sp.*	Yarrow, Debutante	*Achillea taygetea v.*
Iris	*Iris sp.*	Yellow Trumpet	*Macfadyena unguis-cati*
Iris, African	*Dietes bicolor*	Zinnia	*Zinnia elegans*
Ivy, Grape	*(var. Ellen Danica) Cissus rhombifolia*		

Tolerant Ground Covers			
Aaron's Beard	*Hypericum calycinum*	Gazania, Trailing	*Gazania regens leucolaena*
Aptenia	*(var. Red Apple) Aptenia cordifolia*	Green Carpet	*Herniaria glabra*
Bergenia, Winter-blooming	*Bergenia crassofolia*	Ivy, Algerian	*Hedera canaiensis*
Bugleweed	*Ajuga reptans*	Ivy, Boston	*Parthenocissus tricuspidata*
Capeweed	*Arctotheca calendula*	Ivy, English	*Hedera helix, (var. California)*
Carpathian, Harebell	*Campanula carpatica*	Myoporum	*(var. Prostratum) Myoporum parvifolium*
Cinquefoil, Spring	*Potentilla tabernaemontanil*	Pachysandra	*Pachysandra terminalis*
Coyote brush	*(var. Twin Peaks) Baccharis pilularis*	Periwinkle	*Vinca major*
Crownvetch	*Coronilla varia*	Plumbago, Dwarf	*Ceratostigna plumbaginoides*
Cushion Bush	*Calocephalus brownii*	Pork and Beans	*Sedum rubrotinctum*
Daisy, Trailing African, Freeway	*Osteospermum*	Rosea Ice Plant	*Drosanthemum floribundum*
Daisy, White African	*Osteospermum fruticosum alba*	Rosemary, Dwarf	*(var. Prostratus) Rosmarinus officinalis*
Ivy, Grape	*(var. Ellen Danica) Cissus rhombifolia*	Rupture Wort	*Herniaria glabra*
Ivy, Hahn's	*(var. Hahnii) Hedera helix*	St. Johnswort, Creeping	*Hypericum calycinum*
Lantana, Lavender	*Lantana montevidensis*	Stonecrop, Sedum	*Sedum rubrotinctum*
Lily-turf, Big Blue	*Liriope muscari*	Verbena	*Verbena officinalis*
Lippla	*Phyla nodiflora*	Verbena, Blue	*Verbena peruvianna*
Mondo Grass	*Ophiopogon japonicus*		

Tolerant Wildflowers			
African daisy	*Dimorphotheca aurantiaca*	Johnny-jump-up	*Viola pedata*
Baby blue eyes	*Nemophila insignis*	Lance-leaved coreopsis	*Coreopsis lanceolata*
Baby snapdragon	*Linaria macrocanna*	Lemon mint	*Monarda citriodora*
Baby's breath	*Gypsophila muralis*	Liatris	*Liatris spicata*
Bachelor button	*Centaurea cyanus*	Lupine	*Lupinus spp.*
Bird's eyes	*Gilia tricolor*	Moss verbena	*Verbena tenuisecta*
Black eyed Susan	*Rudbeckia hirta*	New England aster	*Aster novi-anglae*
Blanketflower	*Gaillardia aristata*	Nodding catchfly pink	*Silene sp.*
Blue Fescue	*Festuca ovina glauca*	Oxeye daisy	*Chrysanthemum leucanthemum*
Blue flax	*Linum lewisii*	Painted daisy	*Chrysanthemum carinatum*
Butterflyweed	*Ascelpias tuberose*	Perennial lupine	*Lupinus perennis*
Calendula	*Calendula officinalis*	Plains coreopsis	*Coreopsis tinctoria*
California poppy	*Eschscholzia califomica*	Poor man's weather glass	
Calliopsis	*Coreopsis tinctoria*	Prairie aster	*Machaeranthera tanacetifolia*
Candytuft	*Iberis sempervirens*	Purple coneflower	*Echinacea purpurea*
Carnation	*Dianthus*	Purpleknot toadflax	*Linaria sp.*
Catchfly	*Silene armeria*	Queen Anne's lace	*Daucus carota*
Chicory	*Chicory intybus*	Red ribbons	*Clarkia concinna*
Chinese houses	*Collensia heterophylla*	Rocket larkspur	*Delphinum ajacis*
Columbine	*Aquilegia spp.*	Sainfoin	*Conobrychis vicifolia*
Corn poppy	*Papaver rhoeas*	Sand bluebonnet	*Lupinus subcarnosus*
Cornflower	*Centaurea cyanus*	Scarlet flax	*Linum rubrum*
Cosmos	*Cosmos bipinnatus*	Showy primrose	*Oenothera speciosa*
Creeping daisy		Siberian wallflower	*Cheiranthus spp.*
Dames rocket	*Hesperis matronalis*	Spurred snapdragon	*Linaria macrocanna*
Drummond phlox	*Phlox drummondii*	Stock	*Matthiola maritima*
Dwarf primrose	*Oenothera sp.*	Sulfur cosmos	*Cosmos sulfureus*
Firewheel	*Gaillardia pulchella*	Sweet alyssum	*Lobularia maritima*
Five spot cornflower	*Centaurea sp.*	Sweet William	*Dianthus barbatus*
Foxglove	*Digitalis purpurea*	Texas bluebonnet	*Lupinus texensis*
Godetia	*Clarkia amoena*	Tickseed	*Coreopsis lanceolate*
Grayhead coneflower	*Echinacea pallida*	Tidy tips	*Layia platyglossa*
Hard fescue	*Festuca longifolium*	Virginian stock	*Malcolmia maritima*
Indian blanket	*Gaillardia pulchella*	Wallflower	*Cheiranthus allionii*
Indian paintbrush	*Castilleja coccinea*	White yarrow	*Achillea millefolium*
Jewels of Opar	*Talinum paniculatum*		

Continued

Continued

Common Name	Scientific Name	Common Name	Scientific Name
In limited testing with the following plants, some unacceptable phytotoxicity has been found, though usually occurring at application rates above those specified on the product label.			
Trees			
Red Oak	*Quercus rubra*	White Oak	*Quercus alba*
Shrubs			
Azalea (var. Snow)	*Rhododendron sp.*	Potentilla	*Potentilla fruticosa*
Potentilla (var. Jackmanni, K. VanDyke)	*Potentilla Verna*	Privet, Japanese	*Ligustrum japonica*
Ornamentals			
Snow-in-summer	*Cerastium tomentosum*		

Tolerant Nonbearing Food Crops and Nursery Liners			
Almonds	*Crabapples*	Macadamias	*Pistachios*
Apples	*Cranberries*	Nectarines	*Plums*
Apricots	*Dates*	Olives	*Pomegranates*
Asparagus	*Figs*	Oranges	*Prunes*
Avocados	*Grapes*	Peaches	*Raspberries*
Blackberries	*Grapefruits*	Peanuts, Perennial*	*Tangelos*
Blueberries	*Lemons*	Pears	*Tangerines*
Cherries	*Limes*	Pecans	*Walnuts*
Do not apply to nonbearing food crops within 1 year of harvest. *Not approved in California.			

Table 14. Weeds Listed in this Label

Common Name	Scientific Name
Bahiagrass	*Paspalum notatum*
Barnyardgrass (Watergrass)	*Echinochloa crus-galli*
Bentgrass, (Highland/Colonial)	*Agrostic tenuis*
Bermudagrass (Wiregrass)	*Cynodon dactylon*
Bluegrass, Annual	*Poa annua*
Broadleaf Signalgrass	*Brachiaria platyphylla*
Brome, Downy	*Bormus tectorum*
Crabgrass, Large	*Digitaria sanguinalis*
Crabgrass, Smooth	*Digitaria ischaemum*
Cupgrass, Southwestern	*Eriochloa gracillis*
Cupgrass, Woolly	*Eriochloa villosa*
Fescue, Chewings	*Festuca rubra*
Fescue, Creeping Red	*Festuca rubra*
Fescue, Hard	*Festuca longifolia*
Fescue, Rattail	*Festuca myuros*
Fescue, Sheep	*Festuca ovina*
Fescue, Tall	*Festuca arundinacea*
Foxtail, Giant (Pigeongrass)	*Setaria faberi*
Foxtail, Green	*Setaria viridis*
Foxtail, Yellow	*Setaria glauca*
Goosegrass	*Eleusine indica*
Itchgrass	*Rottboellia exaltata*
Johnsongrass	*Sorghum halepense*
Junglerice	*Echinochloa colonum*
Lovegrass	*Eragrostis cilianensis*
Oats, Tame	*Avena saliva*
Orchardgrass	*Dactylis glomerata*
Panicum, Browntop	*Panicum fasciculatu*
Panicum, Fall	*Panicum dichotomiflorum*
Panicum, Texas	*Panicum texanum*
Quackgrass	*Agropyron repens*
Red Rice	*Oryza sativa*
Red Sprangletop	*Leptochloa filiformis*
Ryegrass, Annual	*Lolium multiflorum*
Ryegrass, Perennial	*Lolium perenne*
Sandbur, Field	*Cenchrus incertus*
Shattercane/Wildcane	*Sorghum bicolor*
Stinkgrass	*Eragrostis cilianensis*
Torpedograss	*Panicum repens*
Velvetgrass, German	*Holcus mollis*
Volunteer, Barley	*Hordeum vulgare*
Volunteer, Corn	*Zea mays*
Volunteer, Oats	*Avena sativa*

Continued

Continued

Common Name	Scientific Name
Volunteer, Rye	*Secale Cereale*
Volunteer, Wheat	*Triticum aestivum*
Wild Oats	*Avena fatua*
Wild Proso Millet	*Panicum miliaceum*
Wirestem Muhly	*Muhlenbergia frondosa*
Witchgrass	*Panicum capillare*

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Do not store below 32°F or above 100°F. Store in a dry place away from heat or open flame. Avoid contamination of feed or foodstuffs.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL:
Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers are also disposable by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

Storage and Disposal for Homeowners Use
Storage: Keep pesticide in original container. Do not put concentrate or dilute spray into food, feed or drink containers. Avoid contamination of feed and foodstuffs. Store in a cool, dry place, preferably in a locked storage area. Do not store diluted spray.
Disposal:
Nonrefillable container. Do not reuse or refill this container. **If empty:** Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor (including toilet) or outdoor (including sewer) drain.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

LIMITATION OF LIABILITY

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, OR FOR DAMAGES IN THEIR NATURE OF PENALTIES RELATING TO THE GOODS SOLD, INCLUDING USE, APPLICATION, HANDLING, AND DISPOSAL. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER OR SELLER SHALL NOT BE LIABLE TO BUYER OR USER BY WAY OF INDEMNIFICATION TO BUYER OR TO CUSTOMERS OF BUYER, IF ANY, OR FOR ANY DAMAGES OR SUMS OF MONEY, CLAIMS OR DEMANDS WHATSOEVER, RESULTING FROM OR BY REASON OF, OR RISING OUT OF THE MISUSE, OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD BY MANUFACTURER OR SELLER TO BUYER. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER, USER, OR ITS CUSTOMERS. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

(RV051810)