Segment[®] II

Herbicide

For broad-spectrum, postemergence control of annual and perennial grass weeds in noncrop sites, nonfood sites, ornamentals, and turf

Active Ingredient:

sethoxydim: 2-[1-(ethoxyimino)butyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one*	18.0%
Other Ingredients:	82.0%
Total:	100.0%
* Equivalent to 1.5 pounds of sethoxydim per gallon formulated as an emulsifiable concentrate	
Contains petroleum distillate	

EPA Reg. No. 7969-398

EPA Est. No. 5905-IA-001

WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See inside for complete First Aid, Precautionary Statements, Directions For Use, Conditions of Sale and Warranty, and state-specific crop and/or use site restrictions.

In case of an emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).

Net Contents: 2.5 gallons

81115406 NVA 2017-05-550-0284

BASF Corporation 26 Davis Drive Research Triangle Park, NC 27709

Product of Japan. Formulated in the U.S. with domestic and imported materials.



	FIRST AID					
If in eyes	Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes; then continue rinsing eyes. Call a poison control center or doctor for treatment advice.					
If on skin or clothing	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.					
If swallowed	Immediately call a poison control center or doctor for treatment advice. DO NOT give any liquid to the person. DO NOT induce vomiting unless told to do so by a poison control center or doctor. DO NOT give anything by mouth to an unconscious person.					
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.					

HOTLINE NUMBER

treatment advice.

Call a poison control center or doctor for further

Have the product container or label with you when calling a poison control center or doctor or going for treatment. In case of medical emergency involving this product, call BASF Corporation at 1-800-832-HELP (4357) or dial 911.

NOTE TO PHYSICIAN

Contains petroleum distillate. Probable mucosal damage may contraindicate the use of gastric lavage. Vomiting may cause aspiration pneumonia.

Precautionary Statements

Hazards to Humans and Domestic Animals

WARNING. Causes substantial but temporary eye injury. Causes skin irritation. Harmful if absorbed through skin or swallowed. **DO NOT** get in eyes, on skin, or on clothing.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves, such as barrier laminate, nitrile rubber ≥ 14 mils, or viton > 14 mils
- · Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant apron when cleaning equipment, mixing, and loading

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 and 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.

Environmental Hazards

This product is toxic to aquatic organisms. 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 washwater or rinsate.

Endangered Species Concerns

NOTE: 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. This pesticide is toxic to vascular plants and should be used strictly in accordance with drift precautions on this label to minimize off-site exposures.

Physical and Chemical Hazards COMBUSTIBLE. DO NOT use or store near heat or open flame.

Directions For Use

It is a violation of federal law to use this product in a manner inconsistent with its labeling. This label must be in possession of the user at the time of herbicide application.

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 requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

Observe all precautions and limitations in this label and the labels of products used in combination with **Segment® II herbicide**. Use of **Segment II** not consistent with this label can result in injury to crops, animals, or persons.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

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

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 over short-sleeved shirt and short pants
- Chemical-resistant gloves, such as barrier laminate, nitrile rubber ≥ 14 mils, butvl rubber ≥ 14 mils, or viton ≥ 14 mils
- · Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

NONAGRICULTURAL USE REQUIREMENTS

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

DO NOT enter or allow others to enter treated areas until sprays have dried.

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

Pesticide Storage

DO NOT allow this product to freeze. **DO NOT** store below 32° F or above 100° F. Store in original container only, in a dry place away from heat or open flame, and separate from feed or foodstuffs.

Pesticide Disposal

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

Container Handling

Nonrefillable Container. DO NOT reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

STORAGE AND DISPOSAL (continued)

Container Handling (continued)

Triple rinse containers small enough to shake (capacity ≤ 5 gallons) 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.

Triple rinse containers too large to shake (capacity > 5 gallons) as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank, or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Refillable Container. Refill this container with pesticide only. DO NOT reuse this container for any other purpose. Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

Triple rinse as follows: To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

When this container is empty, replace the cap and seal all openings that have been opened during use; return the container to the point of purchase or to a designated location. This container must only be refilled with a pesticide product. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn-out threads and closure devices. Check for leaks after refilling and before transport. **DO**NOT transport if this container is damaged or leaking. If the container

transport this container is darriaged or learning. If the container is darriaged or learning, it he container is darriaged or learning. If the container is darriaged or learning in the container purchase or to a designated location, triple rinse emptied container and offer for recycling, if available, or dispose of container in compliance with state and local regulations.

In Case of Emergency

In case of a spill of this product, call:

CHEMTREC
 BASF Corporation
 1-800-424-9300
 1-800-832-HELP (4357)

Steps to take if this material is released into the environment or spilled:

- Wear Personal Protective Equipment (PPE) and avoid exposure when managing a spill. (See Precautionary Statements section of this label for required PPE.)
- Dike and contain the spill with inert, absorbent material (e.g., sand, earth) and transfer liquid and solid diking material to separate containers for disposal. Small-scale spills of Segment[®] II herbicide (that can be cleaned up with a typical spill kit) may be applied to labeled sites.
- Remove contaminated clothing, and wash affected skin areas with soap and water. Wash clothing before reuse.
- · Keep spill out of all sewers and open bodies of water.

Restrictions and Limitations

- DO NOT use treated vegetation as pasture, hay, feed or forage.
- Avoid direct or indirect contact with any desired grass crop unless otherwise recommended on the **Segment II** label.
- DO NOT apply Segment II with another pesticide where one component of the tank mix is incompatible with additives, surfactants or oil adjuvants.
- \bullet DO NOT use recirculating sprayers to apply Segment II.
- DO NOT apply to grasses or ornamental 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 and injury may result.
- DO NOT apply through any type of irrigation equipment.
- Avoid using Segment II with adjuvants at temperatures above 90° F and relative humidity is at or above 60%, or any time the temperature exceeds 100° F, as injury may result.
- Only use Segment II on centipedegrass and fine fescue. Application to other turfgrass species will result in unacceptable injury or plant death.

Product Information

Segment II is a postemergence herbicide for control of annual and perennial grass weeds in turf, ornamentals, nonfood, and noncrop sites listed on this label. Segment II does not control sedges or broadleaf weeds. A program for total vegetation suppression may necessitate the use of a broadleaf herbicide.

Segment II may be used in or around the following sites:

Ornamental

- Christmas tree and conifer nurseries and plantations
- · Commercial and residential landscapes
- Container and field grown nursery production
- Industrial landscapes
- Perennial peanuts (nonfood)
- · Potting soil and topsoil
- Forestry, reforestation, and tree nurseries and plantations

Turforass

- Naturalized areas on golf courses
- Residential and commercial landscapes

Professional Vegetation Management

- Airports
- Electrical transformer stations
- · Exteriors of public buildings
- Industrial areas
- · Nonagricultural fences and hedgerows
- Paved areas
- Pipeline pumping stations
- Recreation areas
- Rights-of-way
- Seedhead and growth suppression on roadsides
- Sewage disposal areas
- Storage yards
- Timberland sites
- · Wildflowers in naturalized areas

Mode of Action

Sethoxydim, the active ingredient in **Segment II**, is a graminicide which inhibits the enzyme acetyl CoA carboxylase (ACCase), resulting in cessation of fatty acid synthesis which is essential for new growth. **Segment II** rapidly enters the targeted grass weed through the foliage and translocates throughout the plant. Whole plant death occurs over approximately 3 weeks. Sethoxydim is classified in **Group 1** by the Weed Science Society of America (WSSA) and **Group A** by the Herbicide Resistance Action Committee (HRAC).

Resistance Management

Weed resistance to ACCase-inhibiting herbicides (**Group 1**), is known to occur, and populations of resistant biotypes are known to exist. Resistance management practices include:

- Following labeled application rate and weed growth-stage recommendations
- Avoiding multiple repeat applications of herbicides with the same mode of action
- Using tank mixes and sequential application with other effective herbicides possessing different modes of action

Spray Drift Management

- Avoiding spray drift at the application site is the responsibility of the applicator.
- DO NOT spray when conditions favor drift beyond the area intended for application.
- Apply only when the wind speed is 10 mph or less. NOTE: For all nonaerial applications, wind speed must be measured at the application site on the upwind side immediately before application.
- Conditions that may contribute to drift include spray droplet size, spray nozzle/pressure combinations, wind speed and direction, temperature and humidity, temperature inversions, etc.
- All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers.
- Contact your Cooperative Extension agent for spray drift prevention quidelines specific to your area.

Spray Drift Reduction Advisory Information

Information on Droplet Size

The best drift management strategy is to apply the largest droplet size that provides sufficient coverage and control and is consistent with acceptable efficacy. 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** sections of this label).

Controlling Droplet Size

- Volume Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets. Use a minimum of 5 gallons of water per acre. If grass weed foliage or crop canopy is dense, increase water volume to a least 10 gallons of water per acre.
- Pressure Use the lower spray pressures recommended for the nozzle and DO NOT exceed the nozzle manufacturer's recommended pressures. Higher pressure reduces droplet size but does not improve canopy penetration. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- Number of Nozzles Use the minimum number of nozzles that provide uniform coverage.
- Nozzle Orientation Orienting nozzles so spray is released backward parallel to the airstream produces larger droplets than other orientations. Significant deflection from horizontal will reduce droplet size and increase drift potential.
- Nozzle Type Use a nozzle type designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid-stream or straightstream nozzles oriented straight back produce the largest droplets and lowest drift. Apply only as a medium or coarse spray (ASABE standard 572) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.
- Boom Length For some use patterns, reducing the effective boom length to less than 3/4 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 possible 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 upwind 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 (e.g., higher wind, smaller droplets).

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 must be avoided if wind speed is below 2 mph because of variable wind direction and high inversion potential.

NOTE: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

Temperature and Humidity

Low humidity and high temperatures increase the evaporation of spray droplets, increasing the likelihood of spray drift. If applications are made in low humidity, set up the application equipment to produce larger droplets to compensate for evaporation; however, droplets should remain in the medium droplet size category. Droplet evaporation is most severe when conditions are both hot and dry.

Temperature Inversions

Applications must not occur during a temperature inversion because drift potential is high. If inversion conditions are suspected, consult with local weather services before making an application. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions because of 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 must 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, or nontarget crops) is minimal and when wind is blowing away from sensitive areas.

Tank Mixing Information

Read and follow the applicable restrictions and limitations and directions for use on all products involved in tank mixing. The most restrictive label applies to any tank mix. To control additional broadleaf weed species, tank mix with:

Basagran® T&O herbicide (turf and ornamental use)

Goal® 2 XL herbicide (professional vegetation management only)

Stinger® herbicide (professional vegetation management only)

Physical incompatibility, reduced grass weed control, or crop injury may result from mixing **Segment® II herbicide** with other pesticides (fungicides, herbicides, insecticides, or miticides), additives or fertilizers. BASF does not recommend using tank mixes other than those listed on BASF labeling.

Compatibility Test for Mix Components

Add components in the following sequence: use 2 teaspoons per one pound dry product per acre OR 1 teaspoon per one pint of liquid product per acre.

- 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.
- Products in PVA Bags Cut an opening in the water soluble PVA bag just large enough to use a teaspoon for measuring purposes. Cap the jar and invert 10 cycles. NOTE: Use the opened water-soluble PVA bag first when preparing the spray solution.
- 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.
- Emulsifiable concentrates (Segment[®] II herbicide) Cap the jar an invert 10 cycles.
- 6. Let the solution stand for 15 minutes.
- 7. Evaluate the solution for uniformity and stability. The spray solution should not have free oil on the surface or thick (clabbered) texture. For water-dispersible granule (WG) or wettable powder (WP) products, a fine precipitate that is easily resuspended is normal; large nondispersible particles (>300 microns) that precipitate on standing are a sign of tank mix incompatibility. **DO NOT** use any spray solution that could clog spray nozzles.

Mixing Order

Maintain constant agitation throughout mixing and application. Always perform a compatibility test to ensure proper mixing. See **Compatibility Test for Mix Components** section of the label for directions.

- Water Begin by agitating a thoroughly clean sprayer tank 3/4 full of clean water.
- Inductor If an inductor is used, rinse it thoroughly after each component has been added.
- Products in PVA bags Place any product contained in watersoluble 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.
- Water-dispersible products (dry flowables, wettable powders, suspension concentrates or suspensions)
- 5. Water-soluble products
- 6. Emulsifiable concentrates (including Segment II)
- 7. Water-soluble additives
- 8. Remaining quantity of water

Additives

Always apply **Segment II** with a crop oil concentrate (COC) or methylated/modified seed oil (MSO) as directed in **Table 5**. Non-ionic surfactants (NIS) or blends are not recommended because weed control may be unsatisfactory.

Crop oil concentrates or methylated seed oils used as an adjuvant with **Segment II** must meet all the following criteria:

- Nonphytotoxic
- · Produce good mixing quality in the jar test
- · Successful in local experience

When an adjuvant (or specific adjuvant product, such as a drift control agent) is to be used with this product, the use of a Chemical Producers and Distributors Association (CPDA) certified adjuvant is recommended. Consult your local BASF representative or distributor for instructions for your area.

Use Information

Apply **Segment II** to actively growing weeds as a postemergence broadcast or spot spray in labeled ornamental, turfgrass and, professional vegetation management sites at the specified rates and growth state listed in **Table 1. DO NOT** exceed the labeled application rate or fail to comply with use specifications in **Restrictions and Limitations**.

For best results, weeds should be actively growing and not under stress from lack of water, excessive water, low fertility, mowing shock, excessive hot or cold temperatures, or injury from other herbicide applications.

To achieve consistent weed control, a crop oil concentrate (COC) or methylated seed oil (MSO) adjuvant is required. See **Table 5** for adjuvant and additive rates

Plant Tolerance and Phytotoxicity Notice

Segment II has been applied to a wide variety of common ornamental plants without observed plant injury. Refer to Table 10, Table 11, Table 12. Table 13, and Table 14 for the list of plant shown to be tolerant to Segment II. Not all species, varieties, and cultivars have been tested for tolerance to Segment II, possible tank mix combinations, pesticide treatments before or after those with Segment II, and combinations with surfactants or adjuvants. Local conditions can also influence plant tolerance and may not match those under which BASF has conducted testing. Because many cultivars within a plant species vary in tolerance to chemical applications and growing conditions, the grower must recognize these differences and test the product accordingly. At a minimum always test a small group of representative plants for tolerance to Segment II under local growing conditions and before large-scale use. Refer to Table 10, Table 11, Table 12, Table 13, and Table 14 for both tolerant and sensitive ornamental plants. Refer to Table 6. Table 7, Table 8, and Table 9 for use site specific instructions and restrictions.

User assumes responsibility for testing ornamental suitability under local growing conditions by treating a small number of plants at the specified rate. At a minimum, this should include evaluating treated plants for several weeks following treatment for possible injury or other effects. To the extent consistent with applicable law, by applying Segment II, the user assumes responsibility for any plant damage or other liability associated with factors beyond the manufacturer's control, such as weather, presence of other materials and manner or use of application inconsistent with this labeling.

Mowing Information

To maximize weed control and minimize potential turfgrass injury **DO NOT** mow centipedegrass and fine fescue areas within 7 days before or after applying **Segment® II herbicide**. Increased weed control has been observed when mowing is delayed for 14 days after application. Grass weeds that have been mowed or have regrown from mowed stubble may be controlled poorly. Repeat application if new germination or regrowth occurs.

Irrigation and Rainfall

If soil moisture is not sufficient for **Segment II** application, irrigation may improve weed control. **Segment II** is rainfast after one hour.

Application Instructions

Applications (aerial, broadcast, band or spot spray) can be made to actively growing grass weeds at the rates and growth stages listed in Table 1, Table 2, Table 3, and Table 4 unless instructed differently in Crop-specific Information. The most effective control will result from making postemergence applications of Segment II early, when grass weeds are small. Delaying application permits weeds to exceed the maximum size stated and will prevent complete control.

DO NOT apply when conditions favor drift from the target area or wind speed is greater than 10 mph.

Ground Application (Broadcast)

Apply with properly calibrated ground equipment in sufficient water per acre to provide uniform spray distribution (between 5 to 50 gallons spray solution per acre or 1 to 10 pints per 1,000 square feet). Apply **Segment** II using 30 to 60 psi. If weed or crop foliage is dense, use a minimum of 20 gallons of water and 60 psi.

Spot or Small Area Application

Segment II can be applied using tank-type sprayers, backpack sprayers, high-volume equipment with handguns, or other suitable nozzle arrangements. Prepare a solution of Segment II in water according to Table 3 or Table 4

DO NOT make spot treatments in addition to broadcast treatment.

Mixing Instructions for Backpack and Pumpup Type Sprayers

- Fill a clean spray tank 1/2 full with clean water.
- Add required amount of Segment II
- · Cap sprayer and agitate to ensure adequate mixing
- Uncap sprayer and add appropriate amount of adjuvant (COC or MSO) or additive
- Cap sprayer and agitate again to ensure adequate mixing
- · Finish filling tank to the desired level

Apply spray mixture directly on sporadically occurring susceptible weeds (See **Table 5**). For best results apply on a spray-to-wet basis. Follow up applications may be made if necessary.

Cleaning Spray Equipment

Clean application equipment thoroughly using a strong detergent or commercial sprayer cleaner, like **Neutralize™ tank cleaner** or **Nutra-Sol® tank cleaner**, according to the manufacturer's directions before and after applying this product.

Table 1. Application Rates for Annual Grass Control

Grasses Controlled		Maximum Rate	per Application ¹
Common Name	Scientific Name	Grasses up to 6 inch height	Grasses up to 12 inch height
Barnyardgrass	Echinochloa crus-galli	1.5 pints per acre	2.5 pints per acre
Broadleaf signalgrass	Urochloa platyphylla	or	or
Brome, downy ⁴	Bromus tectorum	0.6 fluid ounce per	0.9 fluid ounce per
Crabgrass, large ^{2, 3}	Digitaria sanguinalis	1,000 square feet	1,000 square feet
Crabgrass, smooth ^{2, 3}	Digitaria ischaemum		·
Cupgrass, woolly	Eriochloa villosa		
Fescue, tall, seedling	Festuca arundinacea		
Foxtail, giant	Setaria faberi		
Foxtail, green	Setaria viridis		
Foxtail, yellow	Setaria glauca		
Goosegrass ^{2, 3}	Eleusine indica		
Johnsongrass, seedling	Sorghum halepense		
Junglerice	Echinochloa colonum		
Lovegrass	Eragrostis curvula		
Orchardgrass, seedling	Dactylis glomerata		
Panicum, browntop	Panicum fasiculatum		
Panicum, fall	Panicum dichotomiflorum		

Table 1. Application Rates for Annual Grass Control (continued)

Grasses Controlled		Maximum Rate	per Application ¹
Common Name	Scientific Name	Grasses up to 6 inch height	Grasses up to 12 inch height
Panicum, Texas Ryegrass, annual ⁴ Sandbur, field Shattercane/Wildcane Sprangletop, red* Stiltgrass, Japanese Volunteer barley	Panicum texanum Lolium multiflorum Cenchrus spinifex Sorghum bicolor Leptochloa filiformis Microstegium vimineum Hordeum vulqare	1.5 pints per acre or 0.6 fluid ounce per 1,000 square feet	2.5 pints per acre or 0.9 fluid ounce per 1,000 square feet
Volunteer oats Volunteer rye Volunteer wheat Wild oats Wild proso millet Witchgrass	Avena sativa Secale cereale Triticum aestivum Avena fatua Panicum miliaceum Panicum capillare		

¹ See **Crop-specific Information** for crop-specific maximum seasonal use rates.

Table 2. Application Rates for Perennial Grass Control

Grasses Controlled		Maximum Rate	per Application ¹
Common Name Scientific Name		Grasses up to 6 inch height	Grasses up to 12 inch height
Bahiagrass ²	Paspalum notatum	1.5 pints per acre	2.5 pints per acre
Bentgrass	Agrostis spp.	or	or
Bermudagrass ³	Cynodon dactylon	0.6 fluid ounce per	0.9 fluid ounce per
Johnsongrass, rhizome	Sorghum halepense	1,000 square feet	1,000 square feet
Quackgrass	Elytrigia repens		
Velvetgrass, creeping	Holcus mollis		
Velvetgrass, German ²	Holcus mollis		
Wirestem muhly	Muhlenbergia frondosa		

¹ See **Crop-specific Information** for crop-specific maximum seasonal use rates.

Table 3. Spot Treatment Application Rates

Grass (see Table 1 and Table 2 for the complete list of grasses controlled)	Concentration of Segment® II herbicide in Spray Solution (%)
Annual grasses up to 6 inch height	1
Annual grasses up to 12 inch height	1.5
Perennial grasses	1.5*
* Use 1% for wirestem muhly.	

² Up to 4 inches

³ In seedling centipedegrass and fine fescue, use 1 pint per acre or 0.4 fluid ounce per 1,000 square feet.

⁴ Up to 8 inches

^{*} Not recommended in Arizona or western New Mexico.

²Up to 4 inches

³6 inch stolon maximum

Table 4. Spot Treatment Dilution

Spray Solution Volume (gallons)	Amount of Segment® II herbicide to be Added (fl ozs)		
(galloris)	1.5% v/v	2.25% v/v	
1	1.3	2	
3	4	6	
5	6.3	9.5	

Table 5. Additive Rate per Acre

Additive	Rate per Acre (Aerial and Ground)	Spot Treatment
COC	2.0 pints	0.6 oz/gal
MSO	1.5 pints	0.5 oz/gal

Crop-Specific Information

Applications (aerial, broadcast, band or spot-spray) can be made to actively growing grass weeds at the rates and growth stages listed in **Table 1** and **Table 2**, unless instructed differently in **Crop-specific Information**.

Christmas Tree, Deciduous Tree Farms and Timber Production Sites

Segment II can be used to control annual and perennial grasses during site preparation, establishment and/or maintenance of tree plantations, Christmas tree plantations, conifer and hardwood seedling nurseries, pulpwood farms and fiber farms. Segment II may also be used for hardwood and conifer regeneration on Conservation Reserve Program land or similar areas.

If a Christmas tree or deciduous tree is not listed in **Table 10**, the user may determine if **Segment II** can be used safely prior to broad use by applying the specified use rate to the target plant in a small test area under typical conditions. Any adverse effects should be visible within 7 days.

Segment II can be tank mixed with select herbicides to suppress desirable tall fescue and enhance efficacy by expanding the number of weed species controlled. Consult **Table 6** and **Table 7** for tank mix partners. Suppression of tall fescue grown for ground cover on tree farms must be actively growing at the time of application or injury may occur.

Table 6. Tank Mixes for Grass and Broadleaf Weed Control in Christmas Tree and Deciduous Tree Farms

Use Sites	Tolerant Species	Tank Mix	Directions	Restrictions and Limitations
Christmas trees and conifer farms	Fir (Balsam, Douglas, Fraser, Grand, Noble) Pine (Lodgepole,	Segment II (up to 2.5 pints per acre) + Goal® 2 XL herbicide ^{1, 2}	Apply at 20 gallons spray solution per acre at 40 psi before conifer bud-break or after foliage has hardened off. Refer to Goal 2XL label for application rates.	DO NOT apply tank mixtures when temperatures exceed 90° F. DO NOT apply tank mix to conifer seedlings less than 10 months old. DO NOT apply this tank mix by aircraft.
Deciduous tree farms	Ponderosa, Scotch, White) Spruce (Blue)	Segment II (0.3 to 1.0 pint per acre) + Stinger® herbicide	Apply tank mix only over the top of species listed under use sites.	DO NOT add surfactant or oil con- centrate to this tank mix as injury may occur. In the Pacific Northwest – DO NOT apply this tank mix in the first year of transplanting as injury may occur.

¹ Always follow the most restrictive label.

² Begin applications at the minimum rate on both labels to assess weed control and crop tolerance.

Table 7. Tall Fescue Suppression with Segment® II herbicide

Use Sites	Species Suppressed	Timing	Rate	Restrictions and Limitations
Tree farms	Fescue, tall, mature ¹	Apply in spring after 4 to 6 inches of new growth, but BEFORE seedhead formation. ² Sequential applications will extend suppression	2.0 to 2.5 pints per acre or 0.4 to 0.5 ounce per 1,000 square feet Up to 5 pints per acre or 0.9 ounce per 1,000 square feet	DO NOT apply to tall fescue that is less than one year old. Applications made when temperatures are at or exceed 90° F may be less effective (July 1 to mid-August). Begin applications at lower rates and adjust according to tall fescue response and local conditions. Local environmental conditions or overall growth differences at application may cause results to be different than expected.
Roadsides, Rights-of-way, Nonfood crop alleyways		if needed. ³	1.0 pint per acre or 0.4 ounce per 1,000 square feet	DO NOT make more than one application of Segment II to tall fescue per year. DO NOT apply after May 1 in AL, GA and TN; timing may vary in other areas. Treated vegetation may not be used for feed, forage, hay or silage.

¹ Tall fescue MUST be established for one year prior to application

Non-bearing Fruit and Nut Crops, Ornamental and Nursery Plantings, Ornamentals in Residential and Commercial Landscapes, Rights-of-way, Roadsides, Nonfood Crop Areas and Alleyways, Noncrop Areas

Applications can also be made to nurseries including non-bearing fruit and nut trees (including citrus), conifer and hardwood seedling liner nurseries or tree farms (including Christmas trees), and the nonproduction areas in commercial nurseries including storage areas, vegetation filter strips, windbreaks, shelterbelts, cart paths, graveled areas.

Segment II may be applied to ornamental (non-bearing) fruit and nut trees (including citrus), vines, brambles, and bushberries grown in commercial ornamental production nurseries. Non-bearing trees, vines, brambles, and bushberries are grown in ornamental production nurseries where immature and/or inedible fruits, nuts, or berries may appear on the tree, vine, bramble, and bush but are not intended for harvest or consumption.

If species in the application are not listed as tolerant to **Segment II** in **Table 10**, **Table 11**, **Table 12**, **Table 13**, and **Table 14**, apply as a directed spray away from sensitive, desirable plants. **Segment II** may also be applied to sites such as rights-of-way, noncrop areas and nonfood crop areas such as airports, industrial sites, roadsides, storage yards and other areas listed under product information.

Repeat application if new germination or regrowth of grass weeds occurs.

Commercial and Residential Landscapes, Naturalized Areas On Golf Courses, Rights-of-way

Apply **Segment II** on centipedegrass and fine fescue to control annual and perennial grass weeds. See **Table 8** for application rates and timings. **Segment II** does not control annual bluegrass or rattail fescue. **Segment II** can be tank mixed to expand weeds controlled.

DO NOT apply Segment II to desirable tall fescue turfgrass.

² Apply before conifer bud-break

³ Only applies to tree farm use sites

Table 8. Grass Weed Control in Centipedegrass and Fine Fescue

Tolerant Species	Rate	Restrictions and Limitations
Centipedegrass, seedling	Up to 1.0 pint per acre per application	DO NOT apply more than 2.0 pints per acre per season.
Centipedegrass, mature	Up to 1.5 pints per acre per application	DO NOT apply more than 3.0 pints per acre per season.
Fescue, fine	Up to 1.0 pints per acre per application	DO NOT apply more than 2.0 pints per acre per season.

Table 9. Tank Mixes for Weed Control in Centipedegrass and Fine Fescue

Use Sites	Weeds Controlled	Tank Mix	Directions	Restrictions and Limitations
Centipedegrass and Fine fescue	Broadleaf weeds Grasses (annual and perennial)	Segment® II herbicide (up to 1.5 pints per acre) +	Apply to established turfgrass.	DO NOT apply to newly seeded turfgrass sites until the turf has become fully established.
	Yellow nutsedge	Basagran® T&O herbicide (2 to 4 pints per acre)		Use of oil concentrates with this mixture is not recommended.

Wildflowers in Naturalized Areas

Segment II can be used to control grass weeds in native wildflower sites on roadsides, native areas on golf courses and in landscapes. Many wildflower species are tolerant of Segment II applications. For a complete list of species tested, see Table 14. Apply Segment II prior to blooming. Make broadcast applications of Segment II 4 to 6 weeks after wildflower emergence, but not during flowering. Base application timing on grass size according to Table 1 and Table 2. A second application may be necessary if additional grass weeds germinate later in the season.

Table 10. Trees Tolerant to Segment® II herbicide Applications

Common Name	Scientific Name
Acacia, knife leaf	Acacia cultriformis
Arborvitae, Berkmans Oriental	Thuja orientalis
Arborvitae, Eastern	Thuja occidentalis var. Teehny
Ash, green	Fraxinus pennsylvanicum
Ash, mountain	Sorbus americana decora
ASH, Mountain	Sorbus aucuparia
Ash, white	Fraxinus americana
Basswood, American	Tilia americana
Birch	Betula spp.
Birch, Asian white	Betula platyphylla var. Japonica
Birch, European white	Betula pendula
Birch, paper	Betula papyrifolia
Birch, river, black or red	Betula nigra
Bottle tree	Brachychiton populneus
Bottle-brush	Callistemon lanceolatus
Brisbane box tree	Tristania conferta
Cajeput tree	Melaleuca quinquenervia
Carob tree	Ceratonia siliqua
Carrot wood	Cupaniopsis anacardioides
Catalpa, Southern	Catalpa bignonioides
Cherry, black	Prunus serotina
Cherry, Carolina	Prunus caroliniana var. Compacta

Table 10. Trees Tolerant to Segment® II herbicide Applications (continued)

Common Name	Scientific Name
Crabapple, flowering	Malus spp.
Cypress, false	Chamaecyparis pisifera
Cypress, Italian	Cupressus sempervirens
Cypress, leyland	Cupressocyparis leylandii
Dogwood, flowering	Cornus florida
Dogwood, pagoda	Cornus alternifolia
Dogwood, silky	Comus amonum
Elm, Chinese evergreen	Ulmus parvifolia
	Eucalyptus lehmannii
Eucalyptus	E. nicholi granis
	E. robusta
Fir	Abies spp.
Fir, balsam*	Abies balsamea
Fir, California red*	Abies magnifica var. magnifica
Fir, Douglas*	Pseudotsuga mensiesii
Fir, Fraser*	Abies fraseri
Fir, grand*	Abies grandis
Fir, noble*	Abies procera
Fir, Nordmann*	Abies nordmanniana
Fir, Shasta red*	Abies magnifica var. shastensis
Fir, Turkish*	Abies bornmuelleriana
Fir, white*	Abies concolor
Goldenrain tree	Koelreuteria paniculata
Guava	Psidium littorale
Guava, pineapple	Feijoa sellowiana
Gum, blue	Eucalyptus globulus
Gum, lemon-scented	Eucalyptus citriodera
Gum, red box	Eucalyptus polyanthemos
Hackberry, common	Celtis occidentalis
Hemlock, Canada*	Tsuga canadensis
Holly, Chinese	Ilex cornuta var. Bufordii, Rotunda
Holly, hybrid	Ilex spares var. Nellie Stevens
Holly, Japanese	Ilex crenata var. Compacta, Convexa, Helleri, Hoogendom
Holly, yaupon	Ilex vomitoria
Ironbark, red	Eucalyptus sideroxylon
Jacaranda	Jacaranda mimosifolia
Kentucky coffee tree	Gymnocladus dioicus
Larch, European	Larix europa
Laurel, Indian	Ficus microcarpa nitida
Linden	Tilia americana
	Tilia cordata

Table 10. Trees Tolerant to Segment® II herbicide Applications (continued)

Common Name	Scientific Name	
Locust, Black	Robinia pseudoacacia	
Locust, honey	Gleditsia triacanthos inermis	
Loquat	Eriobotrya japonica	
Magnolia, Southern	Magnolia grandiflora	
Maple, Japanese	Acer palmatum	
Maple, red	Acer rubrum	
Maple, silver	Acer saccharinum	
Myoporum	Myoporum laetum	
New Zealand Christmas tree	Metrosideros excelsus	
Oak	Quercus spp.	
Oak, red [‡]	Quercus rubra	
Oak, water	Quercus nigra	
Oak, white [‡]	Quercus alba	
Oak, willow	Quercus phellos	
Olive, Russian	Elaeagnus angustifolia	
Olive tree	Olea europaea	
Orchid tree, purple	Bauhinia variegata	
Osage orange	Maclura pomifera	
Palm, Mediterranean fan	Chamaerops humilis	
Palm, pygmy date	Phoenix roebelenii	
Palm, queen	Arecastrum romanzoffianum	
Palm, sago	Cycas revoluta	
Palm, windmill	Tracheocarpus fortunei	
Palo verde, green	Parkinsonia aculeata	
Paulownia royal	Paulownia tomentosa	
Pear, common	Pyrus communis	
Pear, evergreen	Pyrus kawakamii	
Pear, Ussurian	Pyrus ussuriensis	
Pepper, Brazilian	Schinus terebinthifolius	
Pine, Aleppo	Pinus halepensis	
Pine, Austrian*	Pinus nigra	
Pine, Canary Island	Pinus canariensis	
Pine, Caribbean slash	Pinus caribean	
Pine, Italian stone	Pinus pinea	
Pine, jack	Pinus banksiana	
Pine, Japanese black	Pinus thunbergii	
Pine, Japanese white	Pinus parviflora	
Pine, loblolly	Pinus taeda	
Pine, lodgepole*	Pinus contorta latifolia	
Pine, Longleaf*	Pinus palustris	
Pine, Monterey*	Pinus radiata	
Pine, Mugho	Pinus mugho	

Table 10. Trees Tolerant to Segment® II herbicide Applications (continued)

Common Name	Scientific Name
Pine, ponderosa*	Pinus ponderosa
Pine, red	Pinus resinosa
Pine, Scotch*	Pinus sylvestris
Pine, shore	Pinus contra
Pine, slash	Pinus ellottii
Pine, Virginia*	Pinus virginiana
Pine, Western yellow	Pinus ponderosa
Pine, white*	Pinus strobus
Pine, yew	Podocarpus macrophyllus
Plum, wild	Prunus americana
Poplar, hybrid	Populus alba
Purpleleaf, Bailey acacia	Acacia baileyana
Redwood, coast	Sequoia sempervirens
Sandcherry, Western	Prunus besseyi
Sensitive plant	Mimosa pudica
Silk tree	Albizia julibrissin
Spruce, Black Hills*	Picea glauca var. Densata
Spruce, Colorado Blue*	Picea pungens
Spruce, Norway*	Picea abies
Spruce, white*	Picea glauca
Strawberry tree	Arbutus unedo
Sumac, African	Rhus lancea
Sweet gum	Liquidambar stryaciflus
Sycamore	Platanus occidentalis
Tea tree, Australian	Leptospermun laevigatum
Tipu tree	Tipuana tipu
Tuliptree	Liriodendron tulipifera
Walnut, black	Juglans nigra
Weeping fig	Ficus benjamina var. Exotica
Willow, Australian	Geijera parviflora
Willow, Corkscrew	Salix matsudana var. Tortuosa
Willow, Desert	Pittosporum phillyraeoides
Willow, peppermint	Agonis flexuosa
Yate, bushy	Eucalyptus lehmannii
Yew, English	Taxus baccata
* Christmas trees ‡ Applications of Segment II can result in injury	

Table 11. Shrubs Tolerant to Segment® II herbicide Applications

Common Name	Scientific Name
Abelia, glossy	Abelia grandiflora
Acacia, Bailey	Acacia baileyana
Acacia, knife leaf	Acacia cultriformis
Acacia, prostrate	Acacia redolens
Acacia, Sydney golden wattle	Acacia longifolia
Andromeda	Pieris japonica
Arborvitae, Oriental	Platycladus orientalis
Arrowwood, Southern	Viburnum dentatum
Azalea	Rhododendron spp. var. Christmas cheer, Coral blue, Delaware Valley white, Formosa flame, Hershey red, Hinocrimson, Hinodigiri, New white, Pink ruffle, Snow*
Azalea, mollis hybrid	R. x kosterianum
Azalea, Northern lights hybrid	R. x kosterianum x R. prinophyllum
Bamboo, heavenly	Nandina domestica
Barberry, Japanese	Berberis thunbergii
Barberry, Korean	Berberis koreana
Barberry, redleaf	Berberis virginian
Bird of Paradise bush	Caesalpinia gillesil
Bluebeard	Caryopteris clandonensis
Boxwood, African	Myrsine africana
Boxwood, common	Buxus sempervirens
Boxwood, Japanese	Buxus microphylla var. Japonica
Buckthorn, Glossy (Alder)	Rhamnus alnus
Burning bush, winged	Euonymus alata
Camellia	Camellia japonica; C. sasanqua
Cedar, Eastern red	Juniperus virginiana var. Caneartii, Pyramidiformus
Cherry, brush	Eugenia myrtifolia
Cherry, Manchu, Nanking	Prunus tomentosa
Chokecherry spp.	Aronia meloelata
Copper plant, Caribbean	Euphoria cotinifolia
Cotoneaster, bearberry	Cotoneaster dammeri
Cotoneaster, cranberry	Cotoneaster apiculatus
Cotoneaster, Peking	Cotoneaster acutifolius
Coyote bush	Baccharis pilularis
Cranberry bush, American	Viburnum trilobum
Cranberry bush, golden	Viburnum opulus aureum
Crape myrtle	Lagestromia indica
Currant, alpine	Ribes alpinum
Dogwood, red osier	Cornus stolonifera
Elaeagnus	Elaeagnus umbellata
Escallonia	Escallonia fradesii; E. rubia
Euonymus	Euonymus japonicus var. Golden, Silver King

Table 11. Shrubs Tolerant to Segment® II herbicide Applications (continued)

Common Name	Scientific Name
Fig, creeping	Ficus repens
Firethorn	Pyracantha graberi
Flax, New Zealand	Phormium tenax
Forsythia, greenstem	Forsythia viridissima bronxeniss
Fuschia, Australian	Correa pulchella
Gardenia	Gardenia augusta; G. jasminoides var. Mystery, Radicans, Veitchii
Gold vine, Guinea	Hibbertia scandens
Hakea	Hakea proteacea
Hawthorn, Indian	Phaphiolepis indica
Hebe	Hebe 'Coed'
Hibiscus, blue	Alyogyne huegelli
Hibiscus, Chinese	Hibiscus rosa-sinensis
Holly, Chinese	Ilex cornuta var. Burfordii Nana (Dwarf Burford)
Honeysuckle, bush	Dierville Ionicera
Honeysuckle, cape	Tecomaria capensis
Hydrangea	Hydrangea macrophylla
Jasmine, Asiatic	Trachelopsermum asiaticum
Jasmine, orange	Murraya paniculata
Jasmine, star	Trachelospermum jasminoides
Jasmine, winter	Jasmine nudiflorum
Jessamine, Carolina	Gelsemium sempervirens
Jojoba	Simmondsia chinensis
Juniper	Juniperus spp.
Juniper, Chinese	Juniperus chinensis var. Hekii, Maneyi, Nana, Old Gold, Phtzerana (Aurea, Golden Pfitzer, Pfitzer), Sea Green, Torulosa
Juniper, creeping	Juniperus horizontalis var. Andorra, Bar Harbor, Blue Rug, Bluechip, Hughes, Plumosa, Prince of Wales, Variegata, Webberi, Wiltonii, Youngstown
Juniper, Rocky Mountain	Juniperus scopulorum var. Admiral, Blue Heaven, Green, Medova, Moffet, Pyramidal Springtime, Welchii, Wichita Blue
Juniper, savin	Juniperus sabina var. Arcadia, Broadmoor, Buffalo, Pepin, Skandia
Juniper, shore	Juniperus conferta var. Compacta
Juniper, tam	Juniperus Sabina var. Tamariscifolia
Lantana, purple trailing	Lantana montevidensis
Laurustinus	Viburnum tinus
Lemonade berry	Rhus integrifolia
Lilac, common purple	Syringa vulgaris purpura
Lily turf	Liriope muscari
Mickey Mouse bush	Ochna serrulata
Mirror plant	Coprosma repens
Mock Orange	Pittosporum tobira
Mock Orange, Japanese	Pittosporum tobira var. Wheeler's Dwarf
Mountain lilac	Ceanothus griseus

Table 11. Shrubs Tolerant to Segment® II herbicide Applications (continued)

Common Name	Scientific Name
Myrtle, dwarf	Myrtus communis var. Compacata
Nandina, heavenly bamboo	Nandina domestica
Nannyberry	Viburnum lantago
Ninebark	Physocarpus opulifolius var. Aureus, Nanus
Oleander	Nerium oleander
Orange, Mock	Pittosporum tobira var. Variegata
Orchid, rockrose	Cistus purpureus
Oregon grape	Mahonia aquifolium
Osmanthus, holly-leaf	Osmanthus heterophyllus
Osmanthus, sweet olive	Osmanthus fragrans
Palm, natal	Carissa grandiflora var. Green carpet tuttle
Pampas grass	Cortederia selloana
Photinia	Photinia spp.
Photinia, Fraser	Photinia fraser
Pink lady	Rahioleis indica
Pink powder puff	Calliandra haematocephala
Plumbago, cape	Plumbago capensis
Podocarpus, yew	Podocarpus macrophyllus
Potentilla*	Potentilla fruticosa; P. verna var. Jackmanni, K. VanDyke
Princess flower	Tibouchina urvilleana
Privet	Ligustrum indica
Privet, gloss	Ligustrum lucidum var. Lake Tresca
Privet, Japanese*	Ligustrum japonicum
Privet, Texas	Ligustrum texanum
Privet, waxleaf	Ligustrum japonicum
Purple hop bush	Dodonaea viscosa
Pyracantha	Pyracantha graberi
Sandcherry, purpleleaf	Prunus cistena
Serviceberry, Allegheny	Amelanchier laevis
Serviceberry, Saskatoon	Amelanchier alnifolia var. Regent
Sky flower, Brazilian	Duranta stenostachya
Snowball bush	Viburnum opulus sterilis
Spindle tree	Euonymus kiautschovica
	Spiraea bumalda var. Fairy Queen
	Spiraea nipponicaiovica
Spirea	Spiraea trilobataiovica var. Snowbound
	Spiraea vanhouteii var. Anthony Waterer, Froebellii, Goldflame
Star plant, lavender	Grewia occidentalis
Tea tree, Australian	Leptospermum laevigatum
Tea tree, New Zealand	Leptospermum scoparium var. Red glow
Texas ranger	Leucophyllum frutescens
Toyon, California holly	Hetermeles arbutifolia

Table 11. Shrubs Tolerant to Segment® II herbicide Applications (continued)

Common Name	Scientific Name
Trumpet vine, pink	Pandorea rosea
Viburnum, Japanese	Viburnum japonicum
Viburnum, Sandankwa	Viburnum suspensum
Wayfaring tree	Viburnum lantanoides
Weeping fig, exotica	Ficus benjamina
Yellow bells	Tecoma stans
Yesterday-Today-and-Tomorrow	Brunfelsia calycina
Yew	Taxus cuspitata vigatum

Table 12. Ornamental and Bedding Plants (Annual and Perennial) Tolerant to Segment® II herbicide Applications

Common Name	Scientific Name
Alyssum	Alyssum spp.
Asparagus, myers	Asparagus densiflorus var. Meyeri; Sprengeri
Aster, New York	Aster novi-belgii
Aster, stokes	Stokesia cyanae var. Blue, White
Baby's breath	Gypsophila paniculata var. Bristo fairy
Begonia	Begonia semperflorens
Bellflower, Tussock	Campanula carpatica var. Canterbury bells
Bittersweet, American	Calastrus scandens
Black-eyed Susan	Rudbeckia hirta var. Goldilocks
Bleeding heart	Dicentra spectabilis
Butterfly weed	Asclepias tuberosa
Bougainvillea	Bougainvillea hybrid var. Raspberry Ice
Bower vine	Pandorea jasminoides
Cactus, barrel	Echinocactus spp.
Candytuft	Iberis sempervirens; I. amara
Canna	Canna spp.
Cassia, feathery	Cassia artemisioides
Creeping Jenny	Lysimachia nummalaria
Chrysanthemum, Indian	Chrysanthemum indicum
Chrysanthemum, Marguerite	Chrysanthemum (Argyranthemum) frutescens
Cockscomb	Celosia argentea
Coleus	Coleus blumei
Coneflower, purple	Echinacea purpurea var. Gloriosa Dairy
Coralbells	Heuchera sanguinea
Coreopsis	Coreopsis lanceolate var. Sunray
Cup of gold vine	Solandra maxima
Daffodil	Narcissus spp.
Dahlia	Dahlia pinnata
Daisy Bush, Yellow	Euryops pectinatus

Table 12. Ornamental and Bedding Plants (Annual and Perennial) Tolerant to Segment® II herbicide Applications (continued)

Common Name	Scientific Name
Daisy, Felicia	Felicia amelloides
Daisy, shasta	Chrysanthemum maximum var. Alaska
Daylily	Hemerocallis hybrids
Dianthus	Dianthus deltoides
Dragonhead, false	Physostegia virginiana
Dusty Miller	Centaurea cineraria
Fern, sprenger asparagus	Asparagus densiflorus var. Sprengeril
Fescue, blue	Festuca ovina
Flowering tobacco	Nicotiana spp.
Fountain grass, red	Pennisetum setaceum
Gazania	Gazania sp; G.ringens var. Leucolaena
Geranium	Geranium spp.
Geranium, Regal	Pelargonium x domesticum var. Martha Washington
Gerbera daisy	Gerbera jamesonii
Geum	Geum quellyon var. Lady Strathedon, Mrs. Bradshaw, Mrs. Bradshaw Improved
Gladiolus	Gladiolus spp.
Heather, false	Cuphea hyssopifolia
Honeysuckle, amar	Lonicera maachii
Honeysuckle, fly	Lonicera xylosteum var. Clavey's Dwarf, Emerald Mound
Honeysuckle, Japanese	Lonicera japonica
Honeysuckle, morrow	Lonicera morrowii
Honeysuckle, tatarian	Lonicera tatarica var. Zabeli
Hopseed bush, purple	Dodonaea viscosa var. Purpurea
Impatiens	Impatiens spp.
Iris	Iris spp.
Iris, African	Dietes bicolor
Ivy, grape	Cissus rhombifolia var. Ellen Danica
Jack-in-the-Pulpit	Arisaemia pusillum
Jade plant	Crassula argentea
Jasmine, Madagascar	Stephanotis floribunda
Johnny-jump-up	Viola tricolor
Lamb's ear	Stachys lanata
Lavender, cotton	Santolina chamaecyparisus
Lavender, English	Lavandula vera
Lavender, French	Lavandula dentata
Lilac, Chinese	Syringa chinensis
Lilac, common purple	Syringa vulgaris var. Charles Joly, Jay tree, Ludwig Spaeth, Pupurata
Lilac, Korean	Syringa patula var. Miss Kim
Lilac, Meyer	Syringa meyeri var. Palibin

Table 12. Ornamental and Bedding Plants (Annual and Perennial) Tolerant to Segment® II herbicide Applications (continued)

Common Name	Scientific Name	
Lilac, mountain	Ceanothus griseus	
Lily-of-the-Nile	Agapanthus africanus var. Peter Pan	
Lily-of-the-Valley	Convallaria majalis	
Lobelia	Lobelia erinus	
Marigold	Tagetes spp.	
Mirror plant	Coprosma baureri	
Mirror plant, vareigated	Coprosma repens	
Moss, rose	Portulaca grandiflora	
Moss, sandwort	Arenaria verna	
Pepper, ornamental	Capsicum spp.	
Periwinkle	Vinca minor	
Periwinkle, Madagascar	Catharanthus roseus	
Petunia	Petunia spp.	
Phlox, perennial	Phlox paniculata	
Plantain Illy	Hosta spp.	
Sage	Salvia greggii	
Sea pinks, thrift	Armeria maritima	
Sedum, stonecrop	Sedum x rubrotinctum	
Shrimp plant	Justicia brandegeana	
Sky flower, Brazilian	Duranta stenostachya	
Snail vine	Vigna caracalla	
Snapdragon	Antirrhinum majus	
Snow-in-summer*	Cerastium tomentosum	
Speedwell, spike	Veronica spicata	
Statice, perennial	Limonium perezil	
Stock	Mattiola incana	
Sweet grass	Acorus gramineus	
Sweet William	Dianthus barbatus	
Trumpet vine, blood red	Distictis buccinatoria	
Trumpet vine, lavender	Clytostoma callistegioides	
Trumpet vine, pink	Pandorea rosea	
Transvaal daisy	Gerbera jamesonii	
Tulip	Tulipa spp.	
Verbena	Verbena spp.	
Wandering Jew	Tradescantia spp.	
Wisteria	Wisteria sinensis	
Yarrow	Achillea millefolium var. Cerise Queen	
Yarrow, Taygetea	Achillea taygetea var. Debutante	
Zinnia	Zinnia elegans	

Table 13. Groundcovers Tolerant to Segment® II herbicide Applications

Common Name	Scientific Name
Aaron's beard	Hypericum calycinum
Aptenia	Aptenia cordifolia var. Red apple
Bergenia, winter-blooming	Bergenia crassofolia
Bugleweed	Ajuga reptans
Capeweed	Arctotheca calendula
Carpathian, harebell	Campanula carpatica
Cinquefoil, spring	Potentilla tabernaemontani
Coyote brush	Baccharis pilularis var. Twin peaks
Crownvetch	Coronilla varia
Cushion bush	Calocephalus brownii
Daisy, freeway	Osteospermum spp.
Daisy, white African	Osteospermum fruticosum var. Alba
Gazania, trailing	Gazania regens var. Leucolaena
Green carpet	Hemiaria glabra
Ivy, Algerian	Hedera canaiensis
lvy, Boston	Parthenocissus tricuspidata
lvy, English	Hedera helix var. California; Hahnii
lvy, grape	Cissus rhombifolia var. Ellen Danica
Lantana, lavender	Lantana montevidensis
Lily-turf	Liriope muscari var. Big Blue
Lippla	Phyla nodiflora
Mondo grass	Ophiopogon japonicus
Myoporum	Myoporum parvifolium var. Prostratum
Pachysandra	Pachysandra terminalis
Periwinkle	Vinca major
Plumbago	Ceratostigna plumbaginoides
Pork and Beans	Sedum x rubrotinctum
Rosea ice plant	Drosanthemum floribundum
Rosemary, dwarf	Rosmarinus officinalis var. Prostratus
St. Johnswort, creeping	Hypericum calycinum
Stonecrop, sedum	Sedum rubrotinctum
Verbena	Verbena officinalis
Verbena, blue	Verbena peruvianna

Table 14. Wildflowers Tolerant to Segment® II herbicide Applications¹

Common Name	Scientific Name
African daisy	Dimorphotheca aurantiaca
Baby blue eyes	Nemophila insignis
Baby snapdragon	Linaria macrocanna
Baby's breath	Gypsophila muralis
Bachelor button	Centaurea cyanus
Bird's eyes	Gilia tricolor
Black-eyed Susan	Rudbeckia hirta
Blanketflower	Gaillardia aristata
Blue fescue	Festuca ovina glauca
Blue flax	Linum lewisii
Butterflyweed	Ascelpias tuberosa
Calendula	Calendula officinalis
California poppy	Eschscholzia californica
Calliopsis	Coreopsis tinctoria
Candytuft	Iberis sempervirens
Carnation	Dianthus spp.
Catchfly	Silene armeria
Chicory	Chicory intybus
Chinese houses	Collensia heterophylla
Columbine	Aquilegia spp.
Corn poppy	Papaver rhoeas
Cornflower	Centaurea cyanus
Cosmos	Cosmos bipinnatus
Dames rocket	Hesperis matronalis
Drummond phlox	Phlox drummondii
Dwarf primrose	Oenothera spp.
Firewheel	Gaillardia pulchella
Five spot cornflower	Centaurea spp.
Foxglove	Digitialis purpurea
Godetia	Clarkia amoena
Grayhead coneflower	Echinacea pallida
Hard fescue	Festuca longifolium
Indian blanket	Gaillardia pulchella
Indian paintbrush	Castilleja coccinea
Jewels of Opar	Talinum paniculatum
Johnny-jump-up	Viola pedata
Lance-leaved coreopsis	Coreopsis lanceolata
Lemon mint	Monarda citriodora
Liatris	Liatris spicata
Lupine	Lupinus spp.
Moss verbena	Verbena tenuisecta
New England aster	Aster novi-anglae

Table 14. Wildflowers Tolerant to Segment® II herbicide Applications¹ (continued)

Common Name	Scientific Name
Nodding catchfly pink	Silene spp.
Oxeye daisy	Chrysanthemum leucanthemum
Painted daisy	Chrysanthemum carinatum
Perennial lupine	Lupinus perennis
Plains coreopsis	Coreopsis tinctoria
Prairie aster	Machaeranthera tanacetifolia
Purple coneflower	Echinacea purpurea
Purpleknot toadflax	Linaria spp.
Queen Anne's lace	Daucus carota
Red ribbons	Clarkia concinna
Rocket larkspur	Delphinum ajacis
Sainfoin	Onobrychis viciifolia
Sand bluebonnet	Lupinus subcarnosus
Scarlet flax	Linum rubrum
Showy primrose	Oenothera speciosa
Siberian wallflower	Cheiranthus spp.
Spurred snapdragon	Linaria macrocanna
Stock	Matthiola maritima
Sulfur cosmos	Cosmos sulfureus
Sweet alyssum	Lobularia maritima
Sweet William	Dianthus barbatus
Texas bluebonnet	Lupinus texensis
Tickseed	Coreopsis lanceolate
Tidy tips	Layia platyglossa
Virginian stock	Malcolmia maritima
Wallflower	Cheiranthus allionii
White yarrow	Achillea millefolium
¹ Apply Segment II PRIOR TO blooming.	

Conditions of Sale and Warranty

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 must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the 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 BASF CORPORATION ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above.

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BASF Corporation 26 Davis Drive Research Triangle Park, NC 27709



We create chemistry



Segment[®] II

Herbicide

For broad-spectrum, postemergence control of annual and perennial grass weeds in noncrop sites, nonfood sites, ornamentals, and turf

Active Ingredient:

 sethoxydim: 2-[1-(ethoxyimino)butyl]-5-[2-(ethylthio)propyl] 18.0%

 3-hydroxy-2-cyclohexen-1-one*
 18.0%

 Other Ingredients:
 82.0%

 Total:
 100.0%

* Equivalent to 1.5 pounds of sethoxydim per gallon formulated as an emulsifiable concentrate

Contains petroleum distillate

EPA Reg. No. 7969-398

EPA Est. No. 5905-IA-001

WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See attached booklet for complete First Aid, Precautionary Statements, Directions For Use, Conditions of Sale and Warranty, and state-specific crop and/or use site restrictions.

In case of an emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).

FIRST AID: If in eyes: Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes; then continue rinsing eyes. Call a poison control center or doctor for treatment advice. If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice, If swallowed: Immediately call a poison control center or doctor for treatment advice. DO NOT give any liquid to the person. DO NOT induce vomiting unless told to do so by a poison control center or doctor. DO NOT give anything by mouth to an unconscious person. 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. HOTLINE NUMBER: Have the product container or label with you when calling a poison control center or doctor or going for treatment. In case of medical emergency involving this product, call BASF Corporation at 1-800-832-HELP (4357) or dial 911. NOTE TO PHYSICIAN: Contains petroleum distillate. Probable mucosal damage may contraindicate the use of gastric lavage. Vomiting may cause aspiration pneumonia.

Net Contents: 2.5 gallons

BASF Corporation 26 Davis Drive Research Triangle Park, NC 27709

Precautionary Statements

Hazards to Humans and Domestic Animals

WARNING. Causes substantial but temporary eye injury. Causes skin irritation. Harmful if absorbed through skin or swallowed. DO NOT get in eyes, on skin, or on clothing.

Environmental Hazards

This product is toxic to aquatic organisms. 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 washwater or rinsate.

Endangered Species Concerns

NOTE: 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. This pesticide is toxic to vascular plants and should be used strictly in accordance with drift precautions on this label to minimize off-site exposures.

Physical and Chemical Hazards

COMBUSTIBLE. DO NOT use or store near heat or open flame.

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal. **Pesticide Storage**

DO NOT allow this product to freeze. **DO NOT** store below 32° F or above 100° F. Store in original container only, in a dry place away from heat or open flame, and separate from feed or foodstuffs.

Pesticide Disposal

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

Container Handling

Nonrefillable Container. DO NOT reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities. Refillable Container. Refill this container with pesticide only. DO NOT reuse this container for any other purpose. Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

See attached booklet for complete container handling directions including triple rinse and pressure rinse instructions.



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