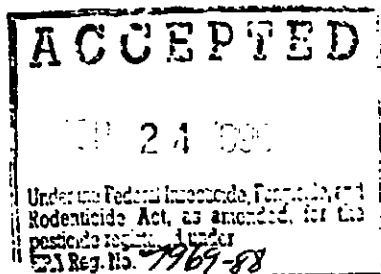


Label approval pending in California



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Supplemental Label

VANTAGE™
Herbicide

**FOR USE IN FINE FESCUE (CREEPING RED, CHEWINGS, HARD)
GROWN FOR TURF SEED**

EPA Reg. No. 7969-88

All applicable directions, restrictions, precautions and Conditions of Sale and Warranty on the EPA-registered label are to be followed. This labeling must be in the possession of the user at the time of herbicide application.

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

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Direction For Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

General Information

VANTAGE™ herbicide is a selective broad spectrum postemergence herbicide for control of annual and perennial grass weeds in fine fescue. **VANTAGE** does not control broadleaf weeds or sedges. The fine fescues tolerant to **VANTAGE** at all stages of growth are creeping red (*Festuca rubra*), chewings (*Festuca rubra*) and hard fescue (*Festuca ovina*). Tall fescue (*Festuca arundinacea*) is NOT tolerant to **VANTAGE**.

For control of annual ryegrass, downy brome, German velvetgrass and Colonial and Highland bentgrasses in the Pacific Northwest, apply **VANTAGE** when the fine fescue is semi-dormant, which is generally from November 1 through March 15 (see Application Rate Table for Pacific Northwest Only). Application of **VANTAGE** at other times of the year will generally result in reduced control of these problem grass weeds. For grass control in other Northern climates, see Application Rate Table for Annual Grass Control or Application Rate Table for Perennial Grass Control.

Since all grass crops such as sorghum, corn, small grains, and rice, as well as ornamental grasses such as turf (except creeping red, chewings and hard fescue), are extremely susceptible to **VANTAGE**, avoid all direct or indirect contact with any desired grass plant.

Weed Control Symptoms: **VANTAGE** rapidly enters the plant through the foliage and translocates throughout the plant. Control symptoms exhibited by the grass weed progress from a slowing or stopping of growth, to leaf tip burn, and to reddening of the foliage. Subsequently, burn back of the foliage occurs.

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Water Volume and Spray Pressure

Thorough spray coverage of foliage is essential.

Ground equipment: Use a minimum of 10 gallons of water per acre with a minimum of 40 psi pressure at the nozzle. Increase water volume to 20 gallons per acre and increase pressure to a minimum of 60 psi if grass foliage is dense.

Air equipment: Use a minimum of 5 gallons per acre (except 10 gallons if foliage is dense) and a maximum of 40 psi pressure.

Use standard high pressure pesticide hollow cone or flat fan nozzles. Do not use flood or whirl chamber nozzles.

Do not use selective application equipment such as recirculating prayers, wiper applicators or shielded applicators.

Application Rate Table For VANTAGE (Pacific Northwest Only)

GRASS SPECIES	APPLICATION TIME (Weed Size)	VANTAGE* (Rate per Acre)
ANNUAL GRASSES		
Annual Ryegrass (<i>Lolium multiflorum</i>)	4-8"	2 1/4 pts.
Downy Brome (<i>Bromus tectorum</i>) also called cheatgrass)	2-6"	3 3/4 pts.
PERENNIAL GRASSES		
German Velvetgrass (<i>Holcus mollis</i>)	2-4"	3 - 3 3/4 pts.
Colonial and Highland Bentgrasses (<i>Agrostis tenuis</i>)	2-4"	2 1/4 - 3 3/4 pts.
The higher rate of VANTAGE is recommended for use on well established grass weeds.		
*If regrowth occurs or new plants emerge, make a second application at the same rate and time.		

Application Rate Table for Annual Grass Control.
(Other Than Pacific Northwest)

GRASS SPECIES	VANTAGE APPLICATION RATE	
	GRASS UP TO 6" HEIGHT	GRASS UP TO 12" HEIGHT
Barnyardgrass		
Broadleaf Signalgrass		
Crabgrass		
Large		
Smooth		
Foxtails		
Giant		
Green		
Yellow		
Goosegrass		
Johnsongrass, Seedling	2 1/4 Pints/ Acre	3 3/4 Pints/ Acre
Junglerice	-or-	-cr-
Lovegrass	0.8 Fl. Oz./ 1000 Sq. Ft.	1.4 Fl. Oz./ 1000 Sq. Ft.
Orchardgrass, Seedling		
Panicum		
Fall		
Texas		
Red Sprangletop*		
Ryegrass, Annual		
Shattercane/Wild cane		
Tall Fescue, Seedling		
Wild Proso Millet		
Witchgrass		
Woolly Cupgrass		
* Not recommended in CA, AZ, or Western NM.		

Application Rate Table for Perennial Grass Control.
(Other Than Pacific Northwest)

GRASS	APPLICATION TIME (WEED SIZE)	VANTAGE	
		RATE PER ACRE	RATE PER 1000 SQ. FT.
Bermudagrass	Up to 6" Runners	3 3/4 Pints	1.4 Fluid Ounces
Johnsongrass, Rhizome	15-20" Height		
Quackgrass	6-8" Height		
Wirestem Muhly	Up to 6" Height	2 1/4 Pint	0.8 Fluid Ounces

ATTENTION SPRAYER CLEANING

CLEAN SPRAYER THOROUGHLY AFTER APPLICATION OF VANTAGE.

Failure to clean sprayer thoroughly may result in injury to any grass crop subsequently sprayed, such as corn, sorghum, small grains, rice, turf and grasses susceptible to VANTAGE for seed production. Fill the sprayer with clean water and add a commercial sprayer cleaner or a surfactant/adjuvant at the recommended rate on its label. Circulate through entire sprayer system. Spray approximately half the tank solution through the hoses, booms and nozzles to clean these parts. Drain the tank and rinse the total system thoroughly several times with clean water.

RESTRICTIONS AND LIMITATIONS

DO NOT graze treated fields and do not feed treated fescue screenings or hay to livestock.

DO NOT apply if rainfall is expected within one hour following application as grass control will be unsatisfactory.

DO NOT mix or apply VANTAGE with any other pesticide, additive, or fertilizer except as specifically recommended on this labeling.

VANTAGE does not control annual bluegrass (*Poa annua*) or rattail fescue (*Festuca myuros*).

APPLY VANTAGE ONLY TO fine fescue varieties classified as creeping red, chewings or hard fescue.

DO NOT apply VANTAGE to tall fescue (*Festuca arundinacea*) because injury will occur.

Do not apply VANTAGE through any type of irrigation system.

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 should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. 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. BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL BASF OR THE SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BASF and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing Conditions of Sale and Warranty which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

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Label Approval Pending in California

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Supplemental Label

VANTAGE™ Herbicide

For Use On Centipedegrass and Fine Fescue In Turf, Lawns And Rights-Of-Way.

Active ingredient

2-[1-(ethoxyimino)butyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one**13%
Inert ingredients87%
**Equivalent to 1.0 pound per gallon

EPA Reg. No. 7969-88

All Applicable directions, restrictions, precautions and Conditions of Sale and Warranty on the EPA-registered label are to be followed. This labeling must be in the possession of the user at the time of herbicide application.

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

KEEP OUT OF REACH OF CHILDREN.

CAUTION

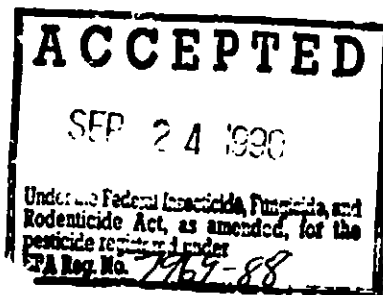
Causes moderate eye injury. Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

If in eyes: flush with plenty of water. Call a physician if irritation persists.

If on skin: Wash with plenty of soap and water. Get medical attention.

If swallowed: Drink promptly a large quantity of milk, egg whites, gelatin solution or, if these are not available, large quantities of water. Avoid alcohol.

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Environmental Hazards

Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of washwaters.

Endangered Species Concerns

The use of any pesticide in a manner that may kill or otherwise harm an endangered or threatened 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 consistent with its labeling.

General Information

Vantage™ herbicide is a selective broad spectrum postemergence herbicide for control of grasses in seedling (first year) and established centipedegrass (*Eremochloa ophiuroides*) and fine fescue. The fine fescues tolerant to VANTAGE at all stages of growth are creeping red fescue and Chewings fescue (*Festuca rubra*) and hard fescue (*Festuca ovina*). Tall fescue (*Festuca arundinacea*) is NOT tolerant to VANTAGE. Vantage does not control sedges, nutgrass or broadleaf weeds.

Do not apply Vantage to any desirable turfgrass other than centipedegrass and fine fescue, because other turf species may be seriously injured.

Since most grass crops such as sorghum, corn, small grains and rice are extremely susceptible to Vantage, avoid all direct or indirect contact with any of these desired grass plants.

Control Systems: Vantage rapidly enters the plant through the foliage and translocates throughout the plant. Control symptoms exhibited by the plant progress from a slowing or stopping of growth (generally within 2 days), to reddening of the foliage, and to leaf tip burn. Subsequently, burn back of the foliage occurs. These symptoms will generally be observed within three weeks depending on environmental conditions.

Timing of Application

Apply VANTAGE postemergence to actively growing grassy weeds as specified in the Recommendations for Grass Control. Apply VANTAGE no earlier than three weeks after spring green-up of centipedegrass turf. Apply VANTAGE before annual grasses become extensively tillered. Delay all treatment with VANTAGE until newly planted centipedegrass has three inches of new stolon growth.

Do not make applications to grasses under stress, such as stress due to lack of moisture, excess moisture, mechanical injury, herbicide injury, diseases or cold temperatures, since unsatisfactory control may result.

Application Information

Ground Equipment: Thorough spray coverage of grassy weeds is essential. For broadcast application use standard high pressure pesticide hollow cone or flat fan nozzles. Do not use flood or whirl chamber nozzles. Application of VANTAGE with controlled droplet applicator (CDA) nozzles is not recommended due to erratic coverage which causes inconsistent weed control. Use a minimum volume of 5 gallons and a maximum volume of 50 gallons of spray solution per acre. When using standard high pressure hollow cone or flat fan nozzles adjust pressure to a minimum of 30 psi and a maximum of 60 psi at the nozzle.

Always adjust spray pressure, spray volume and height of spray boom to ensure penetration of plant canopy and thorough coverage of grasses to be controlled.

Mowing

Adequate coverage of the leaf surface is necessary for absorption of this herbicide. Therefore, centipedegrass and fine fescue areas should not be mowed within 7 days before or after application of VANTAGE. For control of bahiagrass, increased activity has been observed when mowing is delayed until 14 days after application.

Mixing/Spraying

Fill tank of a thoroughly clean sprayer one-half to two-thirds full with clean water. Start agitation and add VANTAGE and remaining volume of water. Maintain constant agitation during application.

Restrictions and Limitations

Do not make applications to grasses under stress, such as stress due to lack of moisture or herbicide injury, as unsatisfactory control will result.

Do not apply if rainfall is expected within one hour following application as grass control will be unsatisfactory.

Do not mix or apply VANTAGE with any other pesticide, additive, or fertilizer except as specifically recommended on this labeling.

Do not use treated vegetation as pasture, hay, feed, or forage.

On seedling centipedegrass do not apply more than 1 1/2 pints per acre of VANTAGE per application or a total of 3 pints per acre per season.

On established centipedegrass do not apply more than 2 1/4 pints of VANTAGE per acre per application or more than a total of 4.5 pints per acre per season.

Do not use on tall fescue (*Festuca arundinacea*).

Recommendations for Grass Control

- o Apply to actively growing grasses
- o Always follow recommendations given in Application Information section.
- o Always adjust spray pressure, spray volume and height of spray boom to ensure thorough coverage of grasses to be controlled.

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Recommendations for Annual Grass
Control in
Seedling Centipedegrass
And Fine Fescue

		VANTAGE [™] herbicide	
Grass	Time of Application	Rate/Acre	Rate/1000 sq. ft.
Large Crabgrass Tooth Crabgrass Dose-grass	If the grass weed has been mowed numerous times and is extensively tilled, control may be reduced	1 1/2 pint	1/2 fl. oz.*
* 1 Tablespoon = 1/2 fl. oz.			

**Recommendation for Annual Grass
Control in
Established Centipedegrass
and Fine Fescue**

		VANTAGE™ herbicide	
Grass	Time of Application	Rate/Acre	Rate/1000 sq. ft.
Large Crabgrass Smooth Crabgrass Goose-grass	Up to 4". Apply before grass weeds become well established through tiller development	2 1/4 pints	3/4 fl. oz.*
* 1 Tablespoon = 1/2 fl. oz.			

**Recommendations for Perennial Grass
Control in
Established centipedegrass
And Fine Fescue**

		VANTAGE™ herbicide	
Grass	Time of Application	Rate/Acre	Rate/1000 sq. ft.
Bahiagrass* First Application	Up to 4"	2 1/4 pints	3/4 fl. oz.**
Second Application	When regrowth is less than 4", generally 10-14 days later.	2 1/4 pints	3/4 fl. oz.**
*Do not mow within 7 days before application or within 14 days after application for best control.			
** 1 Tablespoon = 1/2 fl. oz.			

Bahiagrass Control and Seedhead Suppression in Established Centipedegrass

Established bahiagrass is very difficult to control because of its extensive rhizome system. One application of VANTAGE herbicide will burn down the bahiagrass, but many plants will regrow. However, this regrowth is weak and seedheads will generally be suppressed for 40 days after the first application.

A second application of VANTAGE will be necessary for bahiagrass control. Under optimum growing conditions this second application should be made as soon as 10 to 14 days after the first application. The second application should be made when the bahiagrass regrowth is young, actively growing and before it has reached a height of 4 inches.

Depending upon environmental conditions and cultural practices, season-long control may not always be obtained. However, competition of the bahiagrass with the centipedegrass turf will be reduced. In addition, any remaining bahiagrass will be less objectionable because of the long term seedhead suppression provided by the second application of VANTAGE.

Procedure For Cleaning Spray Equipment

ATTENTION! Clean sprayer thoroughly before and after application of VANTAGE.

Clean sprayer thoroughly prior to application of VANTAGE, particularly if an herbicide was used which has the potential to injure the crop to be sprayed with VANTAGE.

Failure to clean sprayer thoroughly after the application of VANTAGE may result in injury to any grass crop subsequently sprayed, such as corn, sorghum, small grains, rice and other turf. Fill the sprayer with clean water and add a commercial sprayer cleaner or a surfactant/adjuvant at the recommended rate on its label. Circulate through entire sprayer system. Spray approximately half the tank solution through the hoses, booms, and nozzles to clean these parts. Drain the tank and rinse the total system thoroughly several times with clean water.

Appendix

The following are scientific names for the weeds listed in this label.

Grasses

Common Name	Scientific Name
Bahiagrass	Paspalum notatum
Goosegrass	Eleusine indica
Large crabgrass	Digitaria sanguinalis
Smooth crabgrass	Digitaria ischaemum

Conditions of Sale and Warranty

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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. BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL BASF OR THE SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing Conditions of Sale and Warranty which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

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