



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

NOV 5 2003

OFFICE OF
PREVENTION, PESTICIDES
AND
TOXIC SUBSTANCES

Mr. Rafael Herrera
Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268

Dear Mr. Herrera:

Subject: Label Revision Amendment - Supplemental
Labeling; Use Of Fluroxypyr On Turf
Vista
EPA Reg. No. 62719-308
Your Amendment Application Submission
Dated March 21, 2001

The labeling, referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
 - a. Under the Directions for Use, please include the following statement: "This pesticide should be used strictly in accordance with the drift and run-off precautions on this label in order to minimize off-site exposure."
 - b. Please incorporate the following additional precautionary labeling to minimize potential off-site exposure:
 - i. Under some conditions this product may have a potential to run-off to surface water or adjacent land. Where possible, use methods which reduce soil erosion, such as no till, limited till and contour plowing; these methods also reduce pesticide run-off. Where feasible, use application techniques such as T-banding and in-furrow techniques which incorporate the pesticide into the soil. Use of vegetation filter strips along rivers, creeks, streams, wetlands, etc or on the downhill side of fields where run-off could occur will minimize water run-off is recommended.

216

- ii. Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of increased spray drift. Avoid spraying during conditions of low humidity and/or high temperatures.
2. Please submit one (1) final printed copy of the referenced label, incorporating the above change, before releasing the product for shipment.

A stamped copy is enclosed for your records. If you have any concerns or questions regarding this letter, please call Marcel Howard at (703)305-6784.

Sincerely yours,

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

Enclosures

Supplemental Labeling



Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268-1054 USA

Vista*

EPA Reg. No. 62719-308

For Postemergence Broadleaf Weed Control in Established Turf

ATTENTION

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This labeling must be in the possession of the user at the time of application.
- Read the label affixed to the container for Vista* herbicide before applying.
- All applicable use directions, precautions and restrictions on this supplemental labeling and the EPA-registered product label for Vista must be followed.

Directions for Use

Vista herbicide provides postemergence control of annual and perennial broadleaf weeds in established turf (including residential lawns, golf courses, sports fields, sod farms and around commercial buildings and other commercial turf areas)

Vista is recommended for use on the following established turfgrass species:

(Numbers in parentheses (-) refer to footnotes below)

Common Name	Scientific Name
bentgrass (1)	<i>Agrostis</i> species
bluegrass, Kentucky	<i>Poa pratensis</i>
fescue, chewing	<i>Festuca rubra</i> var. <i>commutata</i>
fescue, creeping red	<i>Festuca rubra</i>
fescue, sheeps	<i>Festuca ovina</i>
fescue, tall	<i>Festuca arundinaceae</i>
ryegrass, perennial	<i>Lolium perenne</i>

ACCEPTED
with COMMENTS
in EPA Letter Dated

NOV 5 2003

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

62719-308

Established Warm Season Turf Grasses (2)

Common Name	Scientific Name
bahiagrass	<i>Paspalum notatum</i> var. <i>saurae</i> <i>parodi</i>
Bermudagrass (1)	<i>Cynodon dactylon</i>
centipedegrass	<i>Eremochloa ophiuroides</i>
zoysiagrass	<i>Zoysia japonica</i>
zoysiagrass	<i>Zoysia tenuifolia</i>
St. Augustinegrass (1)	<i>Stenotaphrum secundatum</i>
fescue, tall (growing in warm season areas)	<i>Festuca arundinaceae</i>

- (1) Use Vista on these species only at the 2/3 pint per acre rate and only if some turf injury can be tolerated.
- (2) Use no more than 1-1/3 pint/acre on warm season turf species unless some injury can be tolerated.

Key Weeds Controlled or Suppressed and Application Rates:

Weeds Controlled	Application Rate †	
	(pt/acre)	(fl oz/1000 sq ft)
bedstraw, catchweed deadnettle, purple purslane, common	2/3 – 1	0.25 – 0.38
bindweed, field buttonweed, Virginia chickweed clover, white ivy, ground medic, black speedwell, slender velvetleaf woodsorrel, common	1 – 1 1/3	0.38 – 0.5
dandelion, common henbit knotweed, prostrate matchweed plantain, buckhorn plantain, broadleaf	2 1/2	0.9
Veronica species (suppression only)	1 – 2 1/2	0.38 – 0.9

† Generally, application rates at the lower end of the recommended rate range will be satisfactory for young, succulent growth of sensitive weed species. For less sensitive species, perennials, and other conditions where control is more difficult (plant stress conditions such as drought or extreme temperatures, dense weed stands and/or larger weeds) the higher rates within the rate range will be needed. Weeds growing in the absence of competition from other vegetation generally require higher rates to obtain satisfactory control or suppression.

Application Instructions

Application Timing

For best results apply Vista when weeds are small and actively growing. Extreme growing conditions such as drought or near freezing temperatures prior to, at, and following time of application may reduce weed control. Broadleaf weed species germinate at different times. **Only weeds that are emerged at the time of application will be affected.** If foliage is wet at the time of application, control may be decreased. This product becomes rainfast within 1 hour after application.

Apply only to turfgrasses that are well established. Newly seeded turf should have received two or three mowings before application of Vista.

Application

Vista may be applied turf as a ground broadcast treatment or spot treatment. Apply at the rate of 2/3 to 2 1/2 pints per acre. Use calibrated equipment designed to provide uniform coverage. Avoid overlapping of the spray pattern that could result in higher than recommended application rates.

Standard Volume Broadcast Application: Apply in 20 or more gallons of total spray volume per acre (0.5 or more gallons spray per 1000 square feet). Use higher application volumes in situations where complete and uniform application must be assured, i.e., when Vista is tank mixed with foliar fertilizers. If required, spray volumes up to 200 gallons per acre may be used.

Low Volume Application: Apply in 5 to 20 gallons of total spray mix per acre (1/8 to 1/2 gallon spray per 1,000 square feet). Use low pressure and application equipment capable of delivering a uniform spray droplets. To improve spray coverage, the addition of a non-ionic surfactant at a rate of 1/4 to 1/2 pint per acre is suggested. Use the higher rate of surfactant for lower rates of Vista and lower spray volumes.

Spot Treatments and/or Handheld Sprayers

Spot treatments should be applied at rates equivalent to broadcast applications. See instructions for "Spot Treatments" on the main product label.

Hand-Held Sprayers: Hand-held or backpack sprayers may be used for spot applications of Vista if care is taken to apply the spray uniformly and at a rate equivalent to a broadcast application. Application rates in the table are based an area of 1,000 sq ft. The amount of Vista (fl oz or ml) in the table should be mixed with 1 gallon or more of water and applied to an area of 1,000 sq ft. To calculate the amount of product required for larger areas, multiply the table value (fl oz or ml) by the area to be treated in "thousands" of square feet, e.g., if the area to be treated is 3,500 sq ft, multiply the table value by 3.5 (Calculation: 3,500 ÷ 1,000 = 3.5). An area of 1000 sq ft is approximately 10.5 X 10.5 yards (strides) in size.

Amount of Vista to Equal Specified Broadcast Rate				
(Mix with 1 Gallon or More of Water and Apply to 1,000 sq ft)				
2/3 pt/acre	1 pt/acre	1 1/3 pt/acre	2 pt/acre	2 1/2 pt/acre
0.25 fl oz (7.25 ml)	0.37 fl oz (11 ml)	0.5 fl oz (14.5 ml)	0.74 fl oz (22 ml)	0.92 fl oz (28 ml)

*1 fl oz = 29.6 (30) ml

Use Precautions and Restrictions

- For use of Vista on a turf species not recommended on this label, the user may determine the suitability for such uses by treating a small area at a recommended rate. Prior to treatment of larger areas, the treated area should be observed for any sign of herbicidal injury during 30 days of normal growing conditions to determine if the treatment is safe to the target turf species. The user assumes the responsibility for any plant damage or other liability resulting from use of Vista on turf species not recommended on this label.
- Do not use Vista on golf course putting greens or tees.
- Do not allow sprays of Vista to contact exposed suckers or exposed roots of shallow rooted trees and shrubs or injury may occur.
- To minimize the potential for grass injury, additional applications should not be made within 4 weeks of a previous application.
- **Maximum Application Rate:** Do not apply more than 2 1/2 pints per acre of Vista per annual growing season.

*Trademark of Dow AgroSciences LLC

EPA-accepted: ___/___/___

B2A / Vista / Prop Sec 3 Weed Control in Turfgrasses / 09-30-03
file: Vista Sec 3 Weed Control in Turfgrasses 30Sep03d.doc

Vista*

EPA Reg. No. 62719-308

Registration Notes:

Proposed Section 3 supplemental labeling entitled "For Postemergence Broadleaf Weed Control in Established Turf."
