

Dennis H. Lade, Ph.D.
DowElanco
9330 Zionsville Road
Indianapolis, IN 46268-1054

FEB 3 1997

Dear Dr. Lade:

Subject: Broadstrike® + Dual®
EPA Registration No. 62719-239
Application and Letter Dated January 22, 1997, Request
To Amend Pesticide Product Registration, Supplemental
Labeling for Use as Tank Mix with Bicep II for
Preemergence Weed Control in Field Corn

The proposed amendment described in the subject letter has been reviewed. The proposed supplemental labeling as submitted is acceptable under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) as amended, provided that you:

1. Revise the claim "triazine-resistant" to "triazine-tolerant" broadleaf weeds in the second sentence under "Directions for Use" Section.
2. Submit one (1) copy of the final printed label before you release the product for shipment under the subject labeling.

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

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

Sincerely yours,

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

Enclosure (1)

BEST AVAILABLE COPY

CONCURRENCES

SYMBOL							
SURNAME	E. Wilson	Disquette	ABC32:02-03-97				
DATE							

Current label text based on EPA accepted copy dated October 20, 1995

Proposed Label Changes by Amendment:

Section 3 supplemental label for Tank Mix with Bicep II for Preemergence Weed Control in Field C
(form 122-84-011).

*Trademark of DowElanco

Dual® is a registered trademark of Ciba Geigy Corp.

BEST AVAILABLE C

Supplemental Labeling



DowElanco

9330 Zionsville Road

Indianapolis, IN 46268-1054 USA

Broadstrike*+Dual®

EPA Reg. No. 62719-239

Tank Mix With Bicep II for Preemergence Weed Control in Field Corn

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 Broadstrike+Dual and Bicep II before applying. Carefully follow all precautionary statements and applicable use directions.
- Except as described in this supplemental labeling, use of Broadstrike+Dual and Bicep II is subject to all precautions and limitations imposed by the labels affixed to the containers for Broadstrike+Dual and Bicep II.

Directions for Use

Reduced rates of Broadstrike*+Dual® herbicide and Bicep II herbicide may be tank mixed for control of annual grasses and broadleaf weeds in field corn. This tank mix is particularly effective in areas where velvetleaf and triazine-resistant broadleaf weeds are a predominant problem. Refer to the product labels for Broadstrike+Dual and Bicep II for complete mixing and application instructions.

Application Timing

The Broadstrike+Dual and Bicep II tank mix may be applied preplant incorporated, preemergence, or applied postemergence through the "spike" stage of corn growth, but before weed emergence. When applied postemergence to the crop, apply only with water before corn is 2 inches tall and first true leaf is unfurled. Target weeds which have emerged at the time of application may not be controlled.

Mixing Instructions

Fill the spray tank $\frac{1}{4}$ to $\frac{1}{2}$ full with water or liquid fertilizer and start agitation. Add the required amount of Bicep II, and allow to become fully dispersed, then add the required amount of Broadstrike+Dual, then add the rest of the water or liquid fertilizer. For tank mixtures with liquid fertilizer, always check compatibility as described on the labels for Bicep II and Broadstrike+Dual.

Precautions and Restrictions:

- Do not apply more than 2 weeks before planting.
- Do not apply to field corn grown for seed.
- Do not use when Counter or Thimet insecticides are to be applied due to the risk of severe crop injury.
- Plant corn at least 1 $\frac{1}{2}$ inches deep.
- Refer to the product labels for Broadstrike+Dual and Bicep II for specific use restrictions, use precautions, and rotational crop intervals. The most restrictive provisions on either label shall apply.

Broadcast Application Rates Per Acre:

Soil Texture	Less Than 3% Organic Matter [†]			Greater Than 3% Organic Matter		
	Broadstrike+Dual (pints)	+	Bicep II (pints)	Broadstrike+Dual (pints)	+	Bicep II (pints)
Coarse	1.5	+	1.5	1.5	+	1.5
Medium	1.5 - 1.75 ^{**}	+	2.0	1.75	+	2.0
Fine	1.75	+	2.0	2.0	+	2.0 - 2.5 ^{**}

[†]Application on soils with <1.5% organic matter may result in unacceptable crop injury.

^{**}Use the higher rate in fields with heavy weed pressure.

BEST AVAILABLE COPY

4/4

Weeds Controlled by Tank Mixture of Broadstrike+Dual and Bicep II

Grass Weeds:	Broadleaf Weeds:	
barnyardgrass (watergrass)	amaranth, Palmer	pigweed, smooth
crabgrass	carpetweed	pigweed, redroot
crowfootgrass	chickweed	pigweed species
cupgrass, prairie	goosefoot	pigweed species - triazine
cupgrass, Southwestern	henbit	resistant
fall panicum	horseweed (maretail)	purslane, common
foxtail, giant	kochia	pusley, Florida
green	kochia - triazine resistant	ragweed, common [†]
millet	lambsquarters, common	Russian thistle
yellow	lambsquarters, common -	shepherd's purse
goosegrass	triazine resistant	sida, prickly
johnsongrass (seedling) [†]	ladysthumb	smartweed, Pennsylvania
millet, wild proso [†]	mallow, Venice	spurge, nodding
nutsedge, yellow	mustard, wild	spurge, spotted
red rice	nightshade, black	velvetleaf
sandbur [†]	nightshade, cutleaf	velvetleaf - triazine resistant
shattercane [†]	nightshade, eastern black	waterhemp, common
signalgrass	nightshade, hairy	waterhemp, tall
sorghum, volunteer [†]		
witchgrass		

[†]Weeds partially controlled: Control of these weeds may be improved by following the suggested procedures in 1-4 below.

1. Thoroughly till soil prior to application to completely destroy germinating and emerged weeds.
2. Thoroughly and uniformly preplant incorporate to a depth of 2 inches utilizing two incorporation passes. Procedures 1 and 2 may be accomplished at the same time when a uniform 2-inch incorporation is achieved.
3. If available, sprinkle-irrigate within 2 days after application. Apply ½ to 1 inch of water, depending on soil texture.
4. If irrigation is not possible and rain does not occur within 7 to 10 days after planting and application, weed control may be decreased. Under these situations a uniform shallow cultivation or rotary hoeing is recommended as soon as weeds emerge.
5. Add 1-2 pts/acre of AAtrex 4L or equivalent rates of AAtrex Nine-O for an improved spectrum of broadleaf control. Follow atrazine rate restrictions on the AAtrex label.

Note: Triazine "resistant" weeds (triazine tolerant biotypes) are controlled by the tank mixture of Broadstrike+Dual and Bicep II.

ACCEPTED
with COMMENTS
In EPA Letter Dated

FEB 3 1997

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

62519-239

*Trademark of DowElanco

Dual® is a registered trademark of Ciba Geigy Corp.
R3C/Broadstrike+Dual/Amend-Supp/01-30-97

122-84-011d

EPA-accepted

Initial printing.

Amendments:

1. Added tank mix combination Broadstrike+Dual plus Bicep II.

BEST AVAILABLE COPY