

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JUN 9 1995

Ms. Julie Spagnoli
 Bayer Corporation
 8400 Hawthorn Road
 P.O. Box 4913
 Kansas City, MO 64120-0013

Dear Ms. Spagnoli:

Subject: Amendment - Additional Uses - Sugarcane to Product
 Label/Supplemental Label
 BAYTHROID® 2
 EPA Registration No. 3125-351
 Your Letters Dated May 19 and May 24, 1995

The amendment to the product registration referred to above is acceptable since you have agreed to the conditions stated in our letters of May 19, 1995.

Per conversations with Linda Arrington, you have agreed to add the following risk mitigation measures to the label:

Do not apply if the soil is saturated with water
 Do not apply under conditions that favor runoff
 Do not apply in the rain

For the Environmental hazards statements replace the statement "Do not apply to water or wetlands.....marshes or potholes." with the following:

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark.

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 bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the supplemental labeling is enclosed for your records. Submit three copies of complete labeling for our records.

Sincerely yours,

George T. LaRocca
 Product Manager 13
 Insecticide-Rodenticide Branch
 Registration Division (7505C)

CONCURRENCES							
SYMBOL	Enclosure						
SURNAME	2128						
DATE	4/9/95						

BAYTHROID 2 Emulsifiable

351-8477.YLD

Base Pre-Reg (8477)

U. S. LABEL

Reason to Issue: To add use on sugarcane.

Date of Pre-Reg Draft: 03/23/95(S)

11/17/93 Draft: To add aquatic risk

Supersedes Pre-Reg Draft Dated: 01/08/93

mitigation measures. 06/22/94 Draft: Revisions

11/17/93 and 06/22/94

in accordance with EPA comments. 03/23/95 Draft:

To correct minimum volume for ground application.

RESTRICTED USE PESTICIDE

Due to Toxicity to Fish and Aquatic Organisms

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

BAYTHROID® 2

Emulsifiable Pyrethroid Insecticide

EPA Reg. No. 3125-351

ACTIVE INGREDIENT:

Cyano(4-fluoro-3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethyl-
cyclopropanecarboxylate

25%

INERT INGREDIENTS

75%

100%

AMENDMENT

To Previously Registered Labeling

RECEIVED
EPA REGISTRATION
DIVISION
JUN 9 1995
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
no amendment to the pesticide
label may be made after EPA Reg. No.
3125-351

MILES 

Miles, Inc.
Crop Protection
Box 4913, Kansas City, MO 64120-0013

RECOMMENDED APPLICATIONS

CROP	PEST	DOSAGE -BAYTHROID 2		REMARKS
		Lb AI/Acre	Fl Oz/Acre	
Field Crops Sugarcane	Sugarcane borer	0.033	2.1	Apply specified dosage per acre by air or ground equipment in sufficient water for thorough coverage of foliage (minimum of 2 gallons per acre by air and 20 gallons per acre by ground). BAYTHROID may also be applied by air with equipment adapted and calibrated for ULV application. BAYTHROID may be mixed with once-refined vegetable oil and applied in a total volume of one quart per acre.
	Rice borer	0.044	2.8	Timing of applications should be based on careful scouting and local economic thresholds. Ask your supplier for more detailed information for your area. A total of 6 applications of BAYTHROID 2 may be made per crop season. Allow at least 7 days between applications and at least 15 days between last application and harvest.

NOTE: All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers.

OBSERVE THE FOLLOWING PRECAUTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES; RESERVOIRS; RIVERS; PERMANENT STREAMS, MARSHES OR NATURAL PONDS; ESTUARIES AND COMMERCIAL FISH PONDS.

Do not apply by ground within 25 feet, or by air within 150 feet of lakes; reservoirs; rivers; permanent streams, marshes or natural ponds; estuaries and commercial fish farm ponds. Increase the buffer zone to 450 feet when ultralow volume (ULV) application is made.

For aerial application, the spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used, and must not exceed 75% of the wing span or rotor diameter.

Use the largest droplet size consistent with pest control. Formation of very small droplets may be minimized by appropriate nozzle selection by orienting nozzles away from the air stream as much as possible and by avoiding excessive spray boom pressure.

Spray should be released at the lowest possible height consistent with good pest control and flight safety. Applications more than 10 feet above the crop canopy should be avoided.

Make aerial or ground applications when wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid applications when wind gusts approach 15 mph.

Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

Do not cultivate within 10 feet of the aquatic area as to allow growth of a vegetative filter strip.

Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of spray drift to aquatic areas. Avoid spraying during conditions of low humidity and/or high temperature.

Do not make aerial or ground applications during temperature inversions. Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.