

PH 25 7969-58
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

1047

MAY 5 1993

Ms. Charlotte A. Sanson
BASF Corporation
P. O. Box 13528
Research Triangle Park, NC 27709

Dear Ms. Sanson:


Subject: Poast Herbicide
EPA Registration No. 7969-58
Your Submission Dated April 5, 1993

The registration record for the above-mentioned product has been amended to add a tank mix with BETAMIX for use in sugar beets.

The environmental hazard statement should also be revised to include the statement "Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high mark."

A stamped copy is enclosed your records. Please submit five copies of the revised label.

Sincerely,


Robert J. Taylor
Product Manager (25)
Fungicide-Herbicide Branch
Registration Division (H7505C)

CONCURRENCES

SYMBOL	H7505C						
SURNAME	H. J. Taylor						
DATE	5-5-93						

Supplemental Labeling

Label approval pending in California.

Poast[®]

herbicide

2047

ACCEPTED
with COMMENTS
in EPA Letter Dated

MAY 5 1993

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
7969-58

Tank mix with Betamix[®] for postemergence use in sugar beets.

Poast EPA Reg. No. 7969-58

Betamix EPA Reg. No. 45639-87

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.

Re-entry and Workers' Protection Statements

Do not apply this product in such a manner as to directly or through drift expose workers or other persons, except those knowingly involved in the application. The area being treated must be vacated by unprotected persons.

Do not enter treated areas without protective clothing until sprays have dried.

Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must inform workers of areas or fields that may not be entered without specific

protective clothing until sprays have dried, and appropriate actions to take in case of accidental exposure. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is a reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: "WARNING. Area treated with Poast herbicide on (date of application). Do not enter without appropriate protective clothing until sprays have dried. If contacted, flush eyes

Immediately with water for 15 minutes. Get medical attention."

In case of contact with skin or clothing, remove contaminated clothing, wash skin thoroughly with soap and water. Call physician if irritation occurs. Wash contaminated clothing before re-use.

Environmental Hazards

Do not apply directly to water or wetlands (swamps, bogs, marshes, or potholes). Do not contaminate water when disposing of equipment wash waters.

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.

The use of this product is controlled to prevent death or harm to Solano grass, which occurs in Solano County, California. Before using this product in this county you must obtain the EPA Endangered

Species Bulletin (EPA/ES-85-13), available from either your County Agricultural Extension Agent, the Endangered Species Specialist in the California Department of Fish and Game, or the Regional Offices of the U.S. Fish and Wildlife Service (Portland, Oregon) or the U.S. Environmental Protection Agency (San Francisco, California). This bulletin must be reviewed prior to pesticide use. The use of this product is prohibited in this county unless specified otherwise in the bulletin.

Directions For Use

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

General Information

The tank mix of Poast plus Betamix may be applied postemergence to control annual broadleaf and grass weeds in sugar beets. Applications of this tank mix should be made when weeds are small and actively growing.

Separate applications should be made if:

- a. All weeds to be controlled are not at the correct growth stage for treatment at the same time.
- b. Grasses to be controlled include rhizome Johnsongrass, quackgrass, Bermudagrass, wirestem muhly, volunteer corn, shattercane, volunteer cereal, wild oats, red rice or itchgrass.

Poast® herbicide is a selective broad spectrum postemergence herbicide for control of annual and perennial grass weeds. Poast does not control sedges or broadleaf weeds.

Since essentially all grass crops such as sorghum, corn and small grain, as well as ornamental grasses such as turf, are susceptible to Poast, avoid all direct or indirect contact with any grass crop.

Betamix is a postemergence herbicide for the control of certain broadleaf weeds such as annual sowthistle, black nightshade, common

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lambsquarters, common ragweed, and Kochia.

Time and Rate of Application

A Poast and Betamix tank mix can be applied when the specified annual grasses are less than 2 inches in length. Grasses of this size generally occur at the second application of the split treatment of Betamix.

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

Application Information

Apply the tank mix to actively growing weeds when they are at the proper growth stage. Do

not apply to weeds under stress due to lack of moisture or cold temperature, as unsatisfactory control may result.

The tank mix should be kept agitated and sprayed out immediately under continuous agitation. Do not allow the tank mix to stand for a prolonged period of time.

Additives

No additives are recommended in this tank mix.

Ground Equipment

Thorough spray coverage of foliage 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 with control drop applicator (CDA) nozzles is not recommended due to erratic coverage, which causes inconsistent weed control. Use a volume of 20 gallons of spray solution per acre. When using standard high pressure hollow cone or flat fan nozzles, adjust pressure to a minimum of 40 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.

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

Air Equipment

Thorough spray coverage of foliage is essential. Use a minimum of 5 gallons of water per acre. Increase water volume to 10 gallons per acre if grass foliage is dense.

Cultivation Information

Do not cultivate within 5 days prior to application or within 7 days following application of the tank mix.

Mixing/Spraying

Fill tank of a thoroughly clean sprayer half to two-thirds full with clean water. Start agitation and add Betamix then

Poast, in that order, allowing to thoroughly mix after the addition of each component. Maintain constant agitation during application.

Restrictions and Limitations

Observe all cautions and limitations on the labels of both products. The most restrictive labeling applies to tank mixes.

Do not apply if rainfall is expected within six hours following application as weed control will be unsatisfactory.

Do not apply tank mix if crop shows injury (leaf phytotoxicity and/or plant stunting) produced by any other prior herbicide treatment as injury may be enhanced and/or prolonged.

Do not apply tank mix if crop has been subjected

to stressful conditions, hail damage, flooding, drought, unseasonable cold, or widely fluctuating temperatures as injury or unsatisfactory control may result.

If stress conditions are present, delay application in order to give plants a chance to recover.

Do not apply this tank mix within 100 days of harvest if tops are fed. If tops are not fed, do not apply within 75 days of harvest.

Do not exceed a total of 12 pints of Betamix or 5 pints of Poast per acre per season.

Do not apply Poast and Betamix as a tank mix unless all environmental restrictions on the Betamix label can be followed.

Do not add UAN solution or ammonium sulfate to a Poast plus Betamix tank mix.

Do not apply this tank mix through any type of irrigation system.

Do not use this tank mix if all weeds to be controlled are not at the correct growth stage for treatment at the same time.

Do not use this tank mix if grasses to be controlled include rhizome Johnsongrass, quackgrass, Bermudagrass, wirestem muhly, volunteer corn, shattercane, red rice or itchgrass.

Do not apply this tank mix when wind speed is over 10 miles per hour. Avoid applications when conditions favor drift.

Time and Rate of Application

Apply the tank mix according to the table below:

GRASS	MAX. LENGTH (INCHES)	POAST (PINTS/A)	BETAMIX* (PINTS/A)
Barnyardgrass	2	1 1/2	up to 6
Foxtail, Giant	2		
Green	2		
Yellow	2		
Wild Proso Millet	2		
* Consult label for local requirements since dosage will vary in different geographic areas.			

Procedure For Cleaning Equipment

Clean sprayer thoroughly prior to application, particularly if a herbicide was used which has the potential to injure crops.

Consult the label of previously used herbicides for cleaning instructions. If no instructions are available, these steps listed below are suggested for cleaning of spray equipment prior to or following applications.

1. H o s e d o w n thoroughly the inside as well as the outside of equipment while filling

the spray tank half full of water. Flush by operating sprayer until the system is purged of this rinse water.

2. Refill tank with water while adding 1 gallon household ammonia or 1 pint household dish washing detergent per 100 gallons of water. Or add a commercial sprayer cleaner according to the manufacturer's directions. Operate the pump to circulate the detergent solution through the sprayer system for 5 to 10 minutes and discharge a small amount of solution through the boom and

nozzles. Let the solution stand for 24 hours.

3. Flush the detergent solution out of the spray tank through the boom.

4. Remove the nozzles and screens and flush the system with two tankfuls of water.

Storage and Disposal

Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are toxic. Improper disposal of excess pesticides, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Triple-rinse container (or equivalent). Then offer for recycling, reconditioning, or

puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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 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. 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 EXPRESSED OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED**

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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.

Betamix is a registered trademark of NOR-AM Chemical Company.

Poast is a registered trademark of BASF AG.

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BASF Corporation
PO Box 13528
Research Triangle Park, NC 27709

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