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MAR 20 1986

Ms. Mary J. Griffin
Velsicol Chemical Corporation
341 East Ohio Street
Chicago, IL 60611-3371

Dear Ms. Griffin:

Subject: Label Revisions: Additional Weeds and Tank Mixes
Probe[®] 75 Wettable Powder
EPA Registration No. 876-195
Your Submission Dated March 11, 1986

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

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
 - a. Delete "Prolonged" before "Skin contact may result in acneform reaction." There is no basis for adding this term.
 - b. Modify "Keep out of lakes, streams or ponds" to read:

Do not apply directly to water or wetlands.
 - c. In the Compatibility Test Section, specify examples of compatibility agents cleared for application to growing crops.
 - d. You can delete the duplicated statement "Do not contaminate water by cleaning of equipment or disposal of waste" in the Hazards to Humans section.
 - e. The drift and runoff statements should be moved to the Environmental Hazards section. Correct the spelling of "precautions" in statement "Observe all . . . products used in tank mixtures."

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CONCURRENCES

SYMBOL ▶								
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2. Submit one (1) copy of your final printed labeling before you release the product for shipment.

A stamped copy of the labeling is enclosed for your records.

We note that you will be submitting chemistry data on your new manufacturing process.

Sincerely yours,

Richard F. Mountfort *RFM*
Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (TS-767C)

Enclosure

PROPOSED LABEL

PROBE® HERBICIDE

ACTIVE INGREDIENTS:

Methazole*.....	75.0%
Related Compounds.....	3.9%
INERT INGREDIENTS.....	21.1%
TOTAL	100.0%

*2-(3,4-dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3, 5-dione.

ACCEPTED
with comments
MAR 20 1986
 U.S. Environmental Protection Agency
 EPA Reg. No. 876-195

**KEEP OUT OF
 REACH OF CHILDREN
 WARNING**

See left Side Panel for
Additional Precautionary Statements

E.P.A. Reg. No. 876-195
E.P.A. Est. No.

NET CONTENTS:

Velsicol Chemical Corporation
 341 East Ohio Street
 Chicago, Illinois 60611

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

WARNING

Harmful if swallowed, inhaled or absorbed through the skin or eyes. Do not get in eyes, on skin or on clothing. Avoid breathing dust or spray mist. Keep out of the reach of children. Avoid contamination of feed and foodstuff.

In case of skin contact, wash immediately with soap and water. Prolonged skin contact may result in acneform reaction. For eyes, flush with plenty of water for at least 15 minutes and get medical attention.

Wear impervious gloves and protective clothing when handling. Wash hands, arms and face thoroughly with soap and water before eating or smoking. Wash all contaminated clothing with detergent and hot water before reuse.

Do not contaminate domestic or irrigation waters. Do not apply when weather conditions favor drift from areas treated. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment or disposal of wastes. Observe all precautions on labels of all products used in tank mixtures.

ENVIRONMENTAL HAZARDS

Keep out of lakes, streams or ponds. Do not contaminate water by cleaning of equipment or disposal of wastes.

DIRECTIONS FOR USE

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

Refer to the Use Directions Booklet attached to this container for proper use directions and additional precautionary statements. Apply this product only as directed on the label.

For additional copies of the Use Directions Booklet, write to the manufacturer.



STORAGE AND DISPOSAL

Prohibitions

Do not contaminate water, food or feed by storage or disposal.

Storage

Store in original container in a well ventilated area separately from fertilizer, feed and foodstuffs. Avoid cross-contamination with other pesticides. Spillage or leakage should be contained, moistened, and carefully swept up avoiding inhalation of dust. Wash area of spill with detergent and water.

Pesticide Disposal

Wastes resulting from the use of this product may be disposed of on site or at an approved disposal facility.

Container Disposal

Plastic containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Plastic bags: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

LIMITED WARRANTY AND LIABILITY

NOTICE: Read this Limited Warranty and Liability before buying or using this product. If the terms are not acceptable, return it at once unopened.

It is critical that this product be used and mixed only as specified on the label. The laws of a State may make some or all of this paragraph inapplicable or may give you rights in addition to your rights hereunder. Except to the extent prohibited by applicable law, the exclusive remedy of the user or buyer and the limit of liability of this Company or any other Seller for any and all losses, personal injuries or damages resulting from the use of this product, shall be the purchase price paid by the user or buyer for the quantity of product involved. Except to the extent prohibited by State law, there is no warranty, and this Company and other Sellers disclaim all liability for losses, personal injury or damages: (i) arising from any use of this product in a manner or for a purpose not recommended in its label directions, or from mixing this product before use with any substance except as recommended by the product's label, (ii) arising from handling or storage in violation of label instructions, (iii) for all indirect, special or consequential damages, (iv) when not reported to this Company within one year of discovery, and (v) arising from product not used within the label-designated shelf life of four years from date of purchase, whichever first occurs. THERE ARE NO IMPLIED WARRANTIES AND NO WARRANTIES OF MERCHANTABILITY OR FITNESS.

PROBE• HERBICIDE

A selective herbicide for use in cotton.

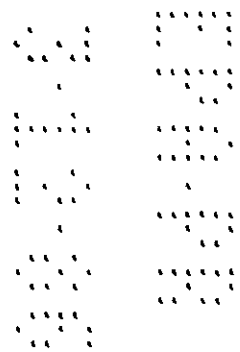
DIRECTIONS FOR USE

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 the pesticide application.

EPA Reg. No. 876-195

Velsicol Chemical Corporation
341 East Ohio Street
Chicago, Illinois 60611



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Registered Trademarks

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PROBE HERBICIDE

IMPORTANT

The following directions apply to all uses of Probe Herbicide. Additional precautions and restrictions will be found in each specific use section.

Do not graze or feed forage from treated areas to livestock.

Crops growing under stress conditions such as drought, disease, poor fertility or foliar damage due to hail, wind, sand blasting, or insects, can exhibit various injury symptoms that may be more pronounced if herbicides are applied.

Do not rotate with any other crops within one year of treatment, except cover crops, which must be plowed under and not grazed.

Consult your local or state authorities for possible application restrictions and advice concerning these and other special local use situations.

DIRECTIONS FOR USE

Probe Herbicide is a selective herbicide for use in cotton. This product can be used preemergence. Directed applications can be made early postemergence (to cotton 3-6 inches tall) or late postemergence (to cotton over 6 inches tall). Post directed applications may be made at lay-by.

MIXING AND APPLICATION

Probe Herbicide should be applied in water solutions. Premix the proper amount of Probe Herbicide with a small amount of water. Add this mixture to the spray tank already filled with 3/4 of the required volume of water. Maintain agitation while filling and spraying. If spray mixture is allowed to settle at any time, thorough agitation is required to resuspend the mixture before spraying is resumed. Keep by-pass line on or near bottom of tank to minimize foaming. Ground equipment with 50 mesh or coarser screens in the nozzles and in-line strainers should be used.

Probe Herbicide may be applied as a directed broadcast or band treatment. Apply the equivalent of 20-40 gallons of water carrier per acre on a broadcast basis.

Thoroughly clean the sprayer immediately after use by flushing the system with water containing a detergent.

BAND TREATMENTS

Probe Herbicide may be applied as a band treatment. Use the formulas below to determine the appropriate rate and volume per treated acre.

$$\frac{\text{Band Width in Inches}}{\text{Row Width in inches}} \times \text{Broadcast Rate per treated acre} = \text{Band Rate per treated acre}$$

$$\frac{\text{Band Width in Inches}}{\text{Row Width in Inches}} \times \text{Broadcast Volume per treated acre} = \text{Band Volume per treated acre}$$

COMPATIBILITY TEST

Before mixing in the spray tank, it is advisable to test compatibility by mixing all components in a small container in proportionate quantities (see following table).

Amount of Herbicide to Add to One Pint of Spray Carrier
(Assuming Volume is 25 Gallons per Acre)

<u>HERBICIDE FORMULATIONS</u>	<u>RATE PER ACRE</u>	<u>LEVEL TEASPOONS</u>
Dry	1 lb.	1-1/2
Liquid	1 pt.	1/2

If herbicide(s) do not ball-up or form flakes, sludge, gels, oily films or layers, or other precipitates, then the tested spray mix is compatible. Usually incompatibility in any of the above described forms will occur within 5 minutes after mixing.

If components are incompatible, the use of a compatibility agent is recommended. Rerun the above COMPATIBILITY TEST with a suitable compatibility agent (1/4 teaspoon is equivalent to 2 pints per 100 gallons of spray carrier).

General Weed List

When applied according to label directions, Probe Herbicide will control the following broadleaf weeds.

- | | |
|-----------------------|-------------------------|
| anoda, spurred | purslane |
| cocklebur, common | sesbania, hemp |
| lambsquarters, common | sicklepod |
| morningglory (annual) | sida, prickly (teaweed) |
| pigweed | spurge, prostrate |
| | spurge, spotted |

RATES AND TIMINGS

For cotton grown in Texas, Oklahoma and areas west thereof, only 2 applications per season may be made. In other states, 4 applications per season may be made.

PREEMERGENCE USES

Probe Herbicide may be applied immediately after planting but before cotton emergence. If rainfall (or irrigation) is not anticipated before weed emergence, a shallow incorporation may be used for activation. The following table gives the recommended rate based on soil texture and organic matter content. Use the appropriate level of the listed rate range based on specific soil organic matter content of area to be treated.

<u>SOIL TEXTURE</u>	<u>BROADCAST RATE PER TREATED ACRE</u> <u>(pounds of Probe Herbicide)</u>	
	<u>2% or less</u> <u>organic matter</u>	<u>greater than 2%</u> <u>but less than 4%</u> <u>organic matter</u>
COARSE SOILS		
sand, loamy sand, and sandy loam.....	1.5-2.0	2.0-2.5
MEDIUM SOILS		
loam, silt loam, silt, sandy clay loam, and sandy clay.....	2.0-2.5	2.5-3.3
FINE SOILS		
silty clay loam, clay loam, silty clay, and clay.	2.5-3.3	NOT RECOMMENDED

PROBE HERBICIDE IS NOT RECOMMENDED FOR PREEMERGENCE USE ON SOILS CONTAINING GREATER THAN 4% ORGANIC MATTER.

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POSTEMERGENCE USES

Probe Herbicide may be applied as a post-directed spray when cotton is 3 inches or greater in height. In addition, Probe Herbicide may be applied post-directed up to lay-by. Do not exceed 1.0 lb. of Probe Herbicide on cotton less than 6 inches in height. Where initial application is made to dense weed populations, or where stress conditions exist, a follow-up application may be necessary for optimum control. Apply only as a directed spray to the base of the cotton plants whereby contact with the cotton foliage is minimized and weed coverage is maximized. For best performance make application when broadleaf weeds are small (2 inches in height or less). Repeat postemergence applications may be made as needed, however, do not exceed a total of 4.0 lbs. of product (3.0 lbs. active) per cropping season. (Note: In Texas, Oklahoma and areas west thereof, only one postemergence application maybe made if a preemergence treatment is used.)

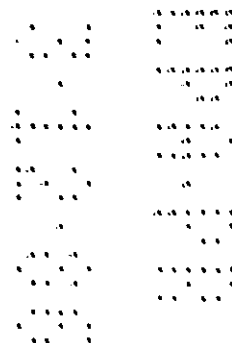
The following table gives the recommended rate of application.

<u>Weed Height (inches)</u>	<u>Broadcast Rate Per Acre (pounds of Probe Herbicide)</u>
cotyledon to 3	0.66 - 2.0

For lay-by treatment, refer to the following table:

<u>Weed Height (inches)</u>	<u>Broadcast Rate Per Acre (pounds of Probe Herbicide)</u>
cotyledon to 3	2.0

Use the higher level of the listed rate ranges when weeds approach 3 inches or when weeds are drought stressed. Use an agriculturally approved non-ionic surfactant with all Probe Herbicide postemergence applications.



POSTEMERGENCE TANKMIX TREATMENTS

Probe Herbicide may be tank mixed with one or more of the following herbicides for control of grasses and improved control of broadleaf weeds. Read and follow the label of each tank mix product used for precautionary statements, directions for use, rates and timings and other restrictions. Use an agriculturally approved non-ionic surfactant with all Probe Herbicide postemergence tank mix applications.

Probe Herbicide plus DSMA. Apply after cotton is 3 inches high and before the first bloom. Do not make more than two applications. Use 3.6 lbs. a.i. DSMA per treated acre.

Probe Herbicide plus MSMA. Apply after cotton is three inches high and before the first bloom. Do not make more than two applications. Use 2.0 lbs. a.i. MSMA per treated acre.

Probe Herbicide plus dinoseb. Apply after cotton is six inches high and when broadleaf weeds are up to 3 inches high. No grass control should be expected. Do not apply when soil surface is wet or when cotton plants are extremely succulent. Use 1.5 lbs. a.i. dinoseb per treated acre.

Overlay (Sequential) Treatments

Probe Herbicide may be applied to ground previously treated with one or more of the following herbicides.

<u>HERBICIDE</u>	<u>MAXIMUM RATE PER TREATED ACRE (lbs. a.i.)</u>
diuron (Karmex®, other name brands)	1.6
fluometuron (Cotoran®)	2.0
norflurazon (Zorial®)	2.0
pendimethalin (Prowl®)	1.5
prometryn (Caparol®)	2.8
trifluralin (Treflan®, other name brands)	1.0

Read and follow the label of each of the above products for precautionary statements, directions for use and other restrictions.

REGISTERED TRADEMARKS

Prowl® is a registered trademark of American Cyanamid Company.

Caparol® and Cotoran® are registered trademarks of Ciba-Geigy Corporation, Agricultural Division.

Karmex® is a registered trademark of E.I. duPont de Nemours and Co., Inc.

Treflan® is a registered trademark of Elanco Products Company, (a division of Eli Lilly and Co.).

Zorial® is a registered trademark of Zoecon Corporation, (a Sandoz company) Crop Protection Division.