

Mr. Bert Atsma  
Universal Cooperatives, Inc.  
P.O. Box 460  
Minneapolis, MN 55440

SEP 28 1987

Dear Mr. Atsma:

Subject: Amendments: Wheat, Barley  
Trifluralin 4EC Herbicide  
EPA Registration No. 1386-609  
Pesticide Advisory Service Letter Dated September 22, 1987

The amendment referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
  - a. Under Insert III, Fall application, add the additional sentence on timing of applications--Apply anytime between October 1 and December 31.
  - b. Note correct spelling of wild oat.
  - c. Under the Endangered Species restriction, add reference to barley and the February 1, 1988 date from which restrictions apply.
  - d. Under the reentry statement, change the signal word CAUTION to WARNING.

BEST AVAILABLE COPY


-2-

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

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 label is enclosed for your records.

Sincerely yours,

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

Enclosure

2065

INSERTED TEXT

Insert I

... to water or wetlands (swamps, bogs, or marshes). Drift or runoff from treatment areas may be hazardous to aquatic organisms in neighboring aquatic sites.

Insert II

Do not apply this product through any type of irrigation system.

Insert III

WHEAT (SPRING), DURUM AND BARLEY -- Trifluralin 4EC Alone: This product recommended as a postplant incorporated treatment to control foxtail (pigeongrass).

Apply this product at a broadcast rate of 1 pint per acre on coarse and medium soils and 1½ pints on fine soils. ✓

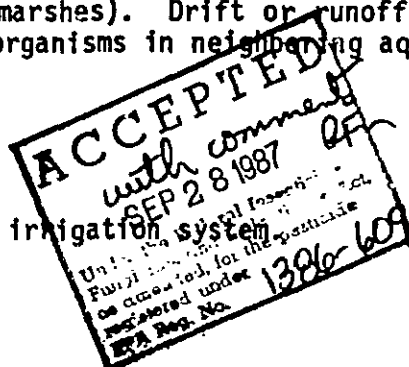
Plant 2 to 3 inches deep in a well-tilled seedbed. Apply this product after seeding but before the crop emerges. To incorporate, use flex-tine or diamond harrows operated two times in different directions at speeds of at least 5 mph. Incorporate by operating equipment 1 to 1½ inches deep. ✓ Application and the first incorporation should be done in the same operation if possible. Both incorporations must be done within 24 hours.

WHEAT (SPRING), DURUM, BARLEY (FALL APPLICATION) -- Foxtail/Pigeongrass control: This product may be fall applied for foxtail/pigeongrass control in spring wheat, durum and barley planted the following spring. This product may be applied to ground that has a manageable trash level, has been fallowed or pre-tilled. The first incorporation is required within 24 hours after application. A second incorporation is required prior to planting to destroy emerged weeds and to ensure an even distribution of Trifluralin treated soil.

Broadcast Rates Per Acre

<u>Soil Texture</u>	<u>Trifluralin 4EC</u>
	(pints)
Coarse	1
Medium	1
Fine	1½

Incorporation Directions -- Any of the following tools are recommended for fall incorporation. The disc or field cultivator may be used for the spring incorporation pass. Care should be taken to operate the tool at a more shallow depth than the fall incorporation.



apply  
anytime  
before  
Oct 15 +  
Dec 31

10163-101  
long

1. Chisel plow: May be used for the first pass only. Operate at 4-5 inches deep at 4-6 mph. A chisel plow is defined as having 3 rows of up to 18-inch sweeps on no greater than 12-inch centers. Stagger sweeps so that no soil is left unturned.
2. Tandem disc: Operate at 3-4 inches deep at 4-6 mph.
3. Field cultivator: Operate at 3-4 inches deep at 5 mph or more. A field cultivator is defined as having 3 to 4 rows of sweeps with "c" or "s" shaped shanks spaced 7 inches or less and staggered so that no soil is left unturned.

Planting Directions -- Wheat, durum, or barley should be approximately 2 inches deep.

Precaution -- While use of this practice may result in a stand reduction, slight stand reductions do not normally affect yield.

WHEAT (SPRING), DURUM, AND BARLEY -- Trifluralin 4EC/Far-Go tank mix: Trifluralin 4EC/Far-Go applied as a postplant incorporated treatment will control foxtail (pigeongrass) and wild cat *cat*

Plant 2 to 3 inches deep in a well-tilled seedbed. Apply Trifluralin 4EC/Far-Go after seeding but before crop emerges. To incorporate, use flex-tine or diamond harrows two times operated in different directions at speeds of at least 5 mph. Incorporate by operating equipment 1 to 1½ inches deep. Application and the first incorporation should be done in the same operation if possible. If not, incorporate immediately after application.

Broadcast Rates Per Acre

Soil Texture	Trifluralin 4EC		Far-Go	
	Barley	Durum	Durum	Barley
	Spring Wheat	Spring Wheat	Spring Wheat	Barley
	(pints)	(pints)	(pints)	(pints)
Coarse	1	2½	2	2
Medium	1	2½	2	2
Fine	1½	2½	2	2

Precaution: Overapplication may result in crop injury. Read the Far-Go label carefully before using.

## PRECAUTIONARY STATEMENT HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### WARNING

Harmful if swallowed or absorbed through the skin. Avoid breathing vapors or spray mist. Do not get in eyes. Avoid contact with skin or clothing. Do not contaminate foodstuffs or feeds. Keep out of the reach of children.

### STATEMENT OF PRACTICAL TREATMENT

If in eyes, flush eyes for at least 15 minutes with water. Call a physician immediately. If on skin, wash affected areas with soap and water. Remove and wash contaminated clothing before reuse.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

### PHYSICAL OR CHEMICAL HAZARDS

Avoid freezing. Store above 40°F. Do not store near heat or flame.

### DIRECTIONS FOR USE

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

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. 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 reentry 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. Read the above reentry statement and the precautionary statements to workers. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: "CAUTION: Area treated with TRIFLURALIN 4EC HERBICIDE on (date of application). Do not enter without appropriate protective clothing until sprays have dried. (Insert here Statement of Practical Treatment from label.)"

REFER TO ATTACHED PAMPHLET FOR COMPLETE USE DIRECTIONS.

### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

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

CONTAINER DISPOSAL: 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.

### WARRANTY AND LIMITATION OF DAMAGES

Seller warrants that this material conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use and Buyer assumes the risk of any use contrary to such directions. Seller makes no other express or implied warranty, including any other express or implied warranty of Fitness or of Merchantability, and no agent of Seller is authorized to do so except in writing with a specific reference to this warranty. In no event shall Seller's liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.

901505-1-86

Dear Mr. Atsma:

Subject: Amendments: Wheat, Barley  
Trifluralin 4FC Herbicide  
EPA Registration No. 1386-609  
Pesticide Advisory Service Letter Da

The amendment referred to above, submitted for registration under section 3(c)(7)(A) of the FIFRA and Rodenticide Act (FIFRA), is acceptable provided the following conditions are met:

1. Submit/cite all data required for registration of your product under FIFRA section 3(c)(7)(A). This requires all registrants of similar products to submit data.
2. Make the labeling changes listed below for the product for shipment bearing the amended label.
  - a. Under Insert III, Fall application, add the sentence on timing of application: "Apply from October 1 and December 31."
  - b. Note correct spelling of wild oat.
  - c. Under the Endangered Species restriction, add "barley and the February 1, 1988 deadline" to apply.
  - d. Under the reentry statement, change "CAUTION" to WARNING.

15657; I: Mountfort; MF-2; FUNCO: 9/25/87; 10/07/87

CONCURRENCES					
SYMBOL					
SURNAME					
DATE					

5

-2-

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

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Sincerely yours,

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

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INSERTED TEXTInsert I

... to water or wetlands (swamps, bogs, or marshes). Drift or runoff from treatment areas may be hazardous to aquatic organisms in neighboring aquatic sites.

Insert II

Do not apply this product through any type of irrigation system.

Insert III

WHEAT (SPRING), DURUM AND BARLEY -- Trifluralin 4EC Alone: This product recommended as a postplant incorporated treatment to control foxtail (pigeongrass).

Apply this product at a broadcast rate of 1 pint per acre on coarse and medium soils and 1½ pints on fine soils. ✓

Plant 2 to 3 inches deep in a well-tilled seedbed. Apply this product after seeding but before the crop emerges. To incorporate, use flex-tine or diamond harrows operated two times in different directions at speeds of at least 5 mph. Incorporate by operating equipment 1 to 1½ inches deep. Application and the first incorporation should be done in the same operation if possible. Both incorporations must be done within 24 hours. ✓

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## Broadcast Rates Per Acre

<u>Soil Texture</u>	<u>Trifluralin 4EC</u>
	(pints)
Coarse	1
Medium	1
Fine	1½

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#### Broadcast Rates Per Acre

<u>Soil Texture</u>	<u>Trifluralin 4EC</u>	<u>Far-Go</u>	
	Barley Durum Spring Wheat ✓	Durum Spring Wheat	Barley ✓
	(pints)	(pints)	(pints)
Coarse	1	2½	2
Medium	1	2½	2
Fine	1½	2½	2

Precaution: Overapplication may result in crop injury. Read the Far-Go label carefully before using.

**PRECAUTIONARY STATEMENT  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
WARNING**

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**STATEMENT OF PRACTICAL TREATMENT**

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**PHYSICAL OR CHEMICAL HAZARDS**

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**DIRECTIONS FOR USE**

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REFER TO ATTACHED PAMPHLET FOR COMPLETE USE DIRECTIONS.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

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

**CONTAINER DISPOSAL:** 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.

**WARRANTY AND LIMITATION OF DAMAGES**

Seller warrants that this material conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use and Buyer assumes the risk of any use contrary to such directions. Seller makes no other express or implied warranty, including any other express or implied warranty of Fitness or of Merchantability, and no agent of Seller is authorized to do so except in writing with a specific reference to this warranty. In no event shall Seller's liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.

901505-1-86