

PM: 25

45639-87

4/22/98

1/11

APR 22 1998

Kenneth W. Chisholm
AgrEvo USA Company
Little Falls Centre One
2711 Centerville Road
Wilmington, DE 19808

Dear Mr. Chisholm:

Subject: Reduced Application Rate
Betanex Herbicide
EPA Registration No. 45639-86
Betamix Herbicide
EPA Registration No. 45639-87
Your Submissions Dated March 17, 1998

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

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

a. In the Environmental Hazards Section delete "For terrestrial uses,". Refer to PR Notice 93-8.

b. On the basic label the statement "(See Supplemental Label for use in North Dakota and Minnesota only)" isn't clear. We suggest text similar to the following:

Do not add additional wetting agents or other spray adjuvants except as specified on the Supplemental Label for use in North Dakota and Minnesota only.

c. Clarify the directions for use on the supplemental label. Specify the rates of UpBeet, Stinger and methylated seed oils that are added to specific spray volumes. According to PR Notice 82-2, the Tank Mix directions on the Supplemental Label must include statements similar to the following:

7/11

This product can be mixed with _____
(chemical name, including percentage of active ingredient
and type of formulation, or specific product name, or
both) for use on _____ (Crops/sites) in accordance
with the more (most) restrictive of label limitations and
precautions. No label dosage rates should be exceeded.
This product cannot be mixed with any product containing
a label prohibition against such mixing.

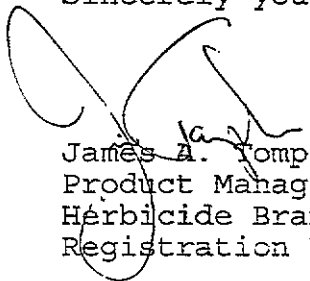
d. If the Precautionary Statements do not appear on the Front
Panel of the basic label, add the following referral
statement:

See side panel for additional precautionary statements

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.

Sincerely yours,



James A. Tompkins
Product Manager (25)
Herbicide Branch
Registration Division (7505C)

Enclosure



AGREVO®

Betamix®

HERBICIDE

FOR AGRICULTURAL USE ONLY

3/11

ACCEPTED
with comments
APR 22 1998
 Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 45639-87



Postemergence Herbicide for Control of Weeds in Sugar Beets

ACTIVE INGREDIENT:
 Phenmedipham* 8.0%
 Desmedipham** 8.0%
INERT INGREDIENTS: 84.0%
TOTAL 100.0%

Contains 1.3 lbs. active ingredient per gallon. This product contains the toxic inert ingredient isophorone.


*3-methoxycarbonylamino-phenyl-3-methyl-carbamate
 **Ethyl m-hydroxycarbonyl-carbamate (ester)

EPA Reg. No. 45639-87
 EPA Est. No. 407-1A-02

KEEP OUT OF REACH OF CHILDREN

WARNING — AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)



STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or poison control center. Do not induce vomiting.

NOTE TO PHYSICIAN: Empty stomach contents by gastric lavage. Avoid aspiration.

IF IN EYES: Flush with plenty of water. Get medical attention.

IF ON SKIN: Wash immediately with plenty of soap and water.

IN CASE OF *MEDICAL* EMERGENCIES OR HEALTH AND SAFETY INQUIRIES, OR IN CASE OF FIRE, LEAKING, OR DAMAGED CONTAINERS, INFORMATION MAY BE OBTAINED BY CALLING 800-228-5635, EXT. 202.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS (AND DOMESTIC ANIMALS) WARNING

HARMFUL IF SWALLOWED. MAY PRODUCE SEVERE IRRITATION OF EYES AND IRRITATION OF SKIN. AVOID BREATHING SPRAY MIST. AVOID CONTACT WITH SKIN AND EYES.

AVOID CONTAMINATION OF FEED AND FOODSTUFFS.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category F on an EPA chemical resistance category selection chart.

Applicators and Other handlers must wear:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or Viton[®]
- Chemical-resistant footwear plus socks
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing, or loading

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS STATEMENT

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

ENVIRONMENTAL HAZARDS

THIS PESTICIDE IS TOXIC TO FISH AND AQUATIC ORGANISMS. FOR TERRESTRIAL USES, DO NOT APPLY DIRECTLY TO WATER, OR TO AREAS WHERE SURFACE WATER IS PRESENT, OR TO INTERTIDAL AREAS BELOW THE MEAN HIGH WATER MARK. DRIFT AND RUNOFF FROM TREATED AREAS MAY BE HAZARDOUS TO FISH AND AQUATIC ORGANISMS IN ADJACENT AQUATIC SITES. DO NOT CONTAMINATE WATER THROUGH DISPOSAL OF EQUIPMENT WASHWATERS.

**PHYSICAL OR CHEMICAL HAZARDS
DO NOT USE OR STORE NEAR HEAT OR OPEN FLAME.**

STORAGE AND DISPOSAL

STORAGE: Store in original container and keep closed. Store in a cool, dry place. Do not use or store near heat or open flame.

PESTICIDE DISPOSAL: Do not contaminate water, food, or feed by storage or disposal. Pesticide wastes are toxic. Improper disposal of excess pesticide, 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.

WHEN PACKAGED IN PLASTIC CONTAINERS:

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

WHEN PACKAGED IN SVR CONTAINERS:

ECHO SYSTEM[®] SVR Return Procedure: Return the ECHO SYSTEM SVR container clean (outside only) and empty to the place of business from which the BETAMIX was purchased.

This ECHO SYSTEM SVR container is the sole property of AgrEvo USA Company.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read the entire Directions for Use before using this product.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

CONVENTIONAL APPLICATIONS

By Ground: Apply BETAMIX Herbicide at the rate of 4.5 to 7.5 pints per acre in 20 to 50 gallons of water broadcast basis. For band application, see Dosage Chart 2.

By Air: Apply BETAMIX Herbicide at the rate of 4.5 to 7.5 pints per acre using 5 to 15 gallons of spray per acre.

Apply the 4.5 to 7.5 pint rates only to sugar beets past the two true-leaf stage. Use the 7.5-pint rate only on well-established sugar beets which are not under stress. The stage of growth of the weeds is very important for satisfactory control. For best results, spray when the weeds are at the two true-leaf stage or smaller, are actively growing and are not under water or heat stress.

In order to avoid phytotoxic spray drift to nontarget crops during application of BETAMIX, the following buffer zones should be observed:

Cotton, Potatoes, Sunflowers,
Sorghum, Wheat 50 feet
Blackeye beans, Cabbage, Flax 100 feet
Lettuce, Rape, Tomatoes 300 feet

DO NOT APPLY WHEN WIND SPEED IS OVER 10 MILES PER HOUR. AVOID APPLICATIONS WHEN CONDITIONS FAVOR DRIFT.

REPEAT APPLICATION OF BETAMIX: For control of later germinating weeds, make a second application of BETAMIX Herbicide. Use 4.5 to 6 pints of BETAMIX. Allow at least 7 days between first and second applications. Apply when sugar beets have at least 4 leaves. For best results, use the higher rate and spray when weeds are at the two true-leaf stage. Apply lower rates when the sugar beets are under stress as explained in the "Use Precautions" section.

TANK MIX COMBINATIONS

When tank mixing, read and follow the label for each tank mix product used for precautionary statements, directions for use, weeds controlled, geographic and other restrictions. Use in accordance with the most restrictive of label limitations and precautions. No label dosage should be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing.

BETAMIX Herbicide can be tank mixed with the following broadleaf herbicides for improved broadleaf weed control if application timing is correct for the tank mix products.

Herbicide	Use Rate (pt./A)
Stinger**	0.25-0.50
BETANEX®	See Chart 4

*The BETAMIX + Stinger tank mix should be applied when sugar beets are in the two true-leaf stage or larger.

CHART 4
DOSAGE CHART FOR TANK MIXES OF
BETAMIX AND BETANEX

Desired Rate (Pints/acre Broadcast)	BETAMIX + BETANEX (Pints/acre Broadcast)
1.13	0.57 + 0.57
1.25	0.63 + 0.63
1.33	0.67 + 0.67
1.50	0.75 + 0.75
1.75	0.88 + 0.88
2.25	1.13 + 1.13
3.25	1.63 + 1.63
5.0	2.50 + 2.50

TRADEMARK INFORMATION

†Viton is a registered trademark of DuPont Dow Elastomers L.L.C.
 ††Stinger is a registered trademark of DowElanco.

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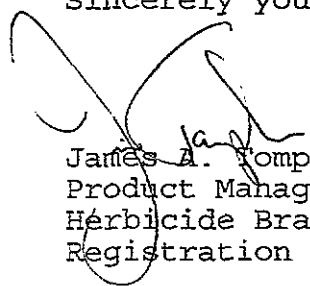
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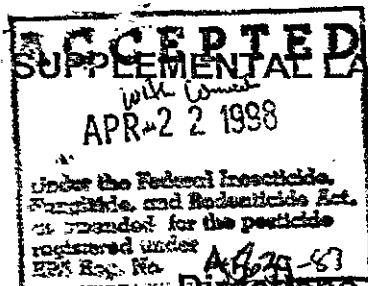
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Sincerely yours,



James A. Tompkins
Product Manager (25)
Herbicide Branch
Registration Division (7505C)

Enclosure



SUPPLEMENTAL LABEL FOR USE IN MINNESOTA AND NORTH DAKOTA ONLY

11/11

BETAMIX® Herbicide

EPA Reg. No. 45639-87

Directions for Use for Micro-Rate Applications to Sugarbeets

General Information

Multiple Micro-rate applications of Betamix® Herbicide in tank mixtures with reduced rates of ¹UpBeet™, ²Stinger™, and methylated seed oils may be applied by air or ground equipment to sugar beets to control early germinating weeds in the states of North Dakota and Minnesota only. The rate of Betamix® **must not exceed 0.5 pint/acre** (broadcast application) when in combination with these spray adjuvants. The use of wetting agents or spray adjuvants with conventional rates (4.5 to 7.5 pints/acre) or multiple low rate (1.5 to 4.5 pints/acre) applications of Betamix is prohibited on the Betamix master label. Favorable climatic conditions (good conditions for plant growth and development) are essential for adequate weed control. **All other use precautions and restrictions on the Betamix master label must be followed.**

Directions for Using Micro-rate Multiple Applications of Betamix:

Apply Betamix Herbicide in broadcast applications only at a rate of 0.5 pints/acre in tank mixture with the tank mixture partners selected following the Directions for Use on the tank mixture partner label. A minimum of three sequential applications should be utilized. Accurate timing is essential; make initial application immediately after weeds emerge, and make repeat applications on 5-day intervals. If weed control is not adequate due to climatic conditions, spray coverage or other factors, return to conventional application rates as recommended on the Betamix master label.

Use Precautions for Micro-rate applications: (see Betamix master label for additional use precautions)

Not all weeds will be adequately controlled, even with favorable climatic conditions. Conventional rates of Betamix Herbicide and/or hand labor may be required if multiple micro-rate applications do not adequately control weeds. Plugging of spray nozzles may be encountered due to the potential for formation of a precipitate in the spray solution that is often associated with micro rate applications. AgrEvo will not be responsible for any nozzle plugging that may occur with the use of multiple micro- rate applications. Methylated seed oils **must not be added** if the Betamix® rate exceeds 0.5 pint/acre broadcast, as the addition of methylated seed oils could increase the possibility of crop injury at dosage rates greater than 0.5 pints/acre.

IMPORTANT: READ BEFORE USE

By using this product, user or buyer accepts the following conditions, warranty, disclaimer of warranties and limitations of liability. **CONDITIONS:** The directions for use of this product are believed to be adequate and should be followed carefully. However, because of extreme weather conditions and soil conditions, manner of use and other factors beyond AgrEvo USA Company's control, it is impossible for AgrEvo USA Company to eliminate all risks associated with the use of this product. **As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.**

DISCLAIMER OF WARRANTIES: THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of AgrEvo USA Company is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. AgrEvo USA Company disclaims any liability whatsoever for incidental or consequential damages, including, but not limited to, liability arising out of breach of contract, express or implied warranty (including warranties of merchantability and fitness for a particular purpose), tort, negligence, strict liability or otherwise.

LIMITATIONS OF LIABILITY: THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT AGREVO USA COMPANY'S ELECTION, THE REPLACEMENT OF PRODUCT

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¹UpBeet is a registered trademark of E.I. duPont de Nemours & Co., Inc.

²Stinger is a registered trademark of Dow AgroSciences.

