

SPECIMEN LABEL

ACCEPTED

MAR 7 1990

Unlabeled Federal Insecticide, Fungicide, or
Rodenticide Act, as amended, for U.S.
pesticide market under
EPA Reg. No. 715639-87

FOR AGRICULTURAL USE ONLY

Betamix

SUGAR BEET HERBICIDE

Postemergence Herbicide for Control of Weeds in Sugar beets

ACTIVE INGREDIENTS:

Phenmedipham

8.0%

Desmedipham

8.0%

INERT INGREDIENTS

84.0%

Total 100.0%

Contains 13.0% active ingredient per gallon.

This product contains the toxic inert ingredient, naphthalene.

*3-methoxy-4-phenyl-1,3-dimethyl-2-pyridone

**Ethyl 1-m-hydroxy-4-phenyl-2-pyridylate ester

EPA Reg. No. 45639-87

PRECAUCION AL USUARIO: Si usted no lee inglés, no use este producto hasta que la etiqueta haya sido explicada ampliamente.

KEEP OUT OF REACH OF CHILDREN **WARNING—AVISO** STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. WITH

NOTE TO PHYSICIAN: EMPTIE STOMACH CONTENT BY GASTRIC LAVAGE AND INDUCE

IF IN EYES: RUSH WITH LARGE AMOUNTS OF WATER FOR MEDICAL ATTENTION

IF ON SKIN: WASH IMMEDIATELY WITH LOTS OF SOAP AND WATER

DO NOT REUSE THIS CONTAINER. DESTROY WHEN EMPTY

NOR-AM

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A FARMER'S COMPANY

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PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS 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.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic organisms. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Drift and runoff from treated areas may be hazardous to fish and aquatic organisms in adjacent aquatic sites. Do not contaminate water by cleaning of equipment or disposal of wastes.

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.

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.

IN CASE OF FIRE, LEAKY OR DAMAGED CONTAINERS, OR OTHER EMERGENCY, REPORT AT ONCE BY TOLL-FREE TELEPHONE TO: 800-424-9300.

GENERAL INFORMATION

BETAMIX* is a selective postemergence herbicide for use in sugar beets (including beets grown for seeds): Annual cowhistle (*Sonchus oleraceus*), Black nightshade (*Solanum nigrum*), Coast bindweed (*Amsinckia intermedia*), Common chickweed (*Stellaria media*), Common lambsquarters (*Chenopodium album*), Common ragweed (*Ambrosia artemisiifolia*), Green foxtail (*Setaria viridis*), Groundcherry (*Physalis lanceifolia*), Kochia* (*Kochia scoparia*), London rocket (*Sisymbrium irio*), Nettleleaf goosefoot (*Chenopodium murale*), Pigeon grass (yellow foxtail) (*Setaria glauca*), Prostrate pigweed (*Amaranthus gracilis*), Purslane (*Portulaca oleraceus*), Redroot pigweed (*Amaranthus retroflexus*), Shepherdspurse (*Capsella bursa-pastoris*), Wild buckwheat (*Polygonum convolvulus*), Wild mustard (*Brassica kaber*).

*Spray kochia while in the rosette stage, less than 1 in. in diameter. For best results, spray when the weeds are at the two-leaf stage.

USE PRECAUTIONS: DO NOT APPLY BETAMIX TO SUGAR BEETS LATER THAN 75 DAYS PRIOR TO HARVEST

DO NOT EXCEED A TOTAL OF 12 PINTS BETAMIX PER ACRE PER SEASON.

DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.

BETAMIX MAY CAUSE BEET INJURY IF THE CROP IS UNDER STRESS FROM ONE OR MORE OF THE FOLLOWING CONDITIONS:

Rapid climatic changes from cool, overcast days, to hot (85° or over), bright days.
Windy conditions or drought.

Use of a preplant or postemergence herbicide or other chemicals

Insect or disease injury.

Close cultivation.

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

If extreme weather conditions are of short duration, delay spraying until the end of such a period. If BETAMIX applications must be made on days with extreme temperature and/or brightness, delay spraying until evening.

DO NOT OVERTREAT: The use of higher than recommended rates may cause bee injury.

Do not spray while dew is present

Rainfall within 6 hours of spraying may reduce weed kill. Do not allow spray drift to contact adjacent crops which may be injured by spray drift.

IMPORTANT: BETAMIX may cause temporary growth retardation and/or chlorosis or tipburn on sugar beets. Beets usually resume normal growth within 10 days.

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.

REENTRY STATEMENT: 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.

Reentry into treated areas is prohibited until leaves are completely dry.

Do not enter treated areas without protective clothing.

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. (Indicate specific oral warnings which inform workers of areas or fields that may not be entered without specific protective clothing, period of time field must be vacated 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 reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information:

WARNING: Area treated with BETAMIX* on (date of application). Do not enter without appropriate protective clothing until leaves are completely dry. In case of accidental exposure see Statement of Practical Treatment on the label.

When used as directed, BETAMIX is selective in beets past the two-true leaf stage. Beets may be severely injured if treated before the two-true leaf stage. 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. Best results are obtained when the weeds are actively growing and are not under water or heat stress.

Mixing the Spray: Make sure the Sprayer is CLEAN. BETAMIX emulsifiable concentrate formulation contains sufficient wetting agents for optimum coverage. Do not add additional wetting agents or other spray adjuvants. Add sufficient water to fill the lines. Then add the desired amount of BETAMIX and the remaining quantity of water with the bypass agitator or running. Bypass agitation is sufficient. Mechanical agitation is not necessary. Only use freshly prepared spray emulsions.

Always spray immediately after preparing the spray solution. Prepare only enough spray solution to last less than 24 hours.

RATE OF APPLICATION: By Ground: Apply BETAMIX at the rate of 4 1/2 to 7 1/2 pints in 20 to 50 gallons of water broadcast basis. For band application, see dosage chart.

By Air: Apply BETAMIX at the rate of 4 1/2 to 7 1/2 pints per acre using 5 to 15 gallons of spray per acre. Use the 7 1/2 pint rate only on well-established beets which are not under stress.

In order to avoid phytotoxic spray drift to non-target 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, Tomato	300 feet

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

To avoid excessive phytotoxicity to fall-planted sugar beets in Arizona and south of the Tehachapi Mountains in California when temperatures are above 85°F, apply BETAMIX at the rate of 4 pints per acre (broadcast equivalent). Evening applications are recommended.

For further information, contact your County Agricultural Agent, Farm Advisor or NOR-AM Chemical Company.

REPEAT APPLICATION OF BETAMIX: For control of later germinating weeds, make a second application of BETAMIX. Use 4 1/2 to 6 pints of BETAMIX. Allow at least 7 days between first and second applications. Apply when 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 beets are under stress as explained on the left panel.

SPLIT (LOW RATE) APPLICATIONS: (ALL SUGAR BEET AREAS EXCEPT CALIFORNIA): Split (low rate) applications of BETAMIX at 2 to 3 pints per acre broadcast equivalent in 5 to 10 gallons of water may be applied to sugar beets at any stage of growth when necessary to control early germinating, difficult to control weeds. The spray must be applied when the earliest emerging weeds have reached cotyledon size.

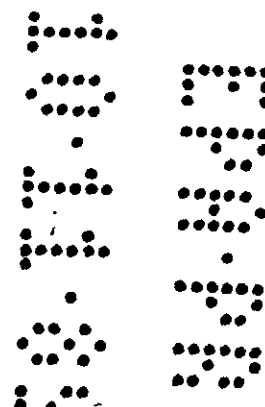
Any weeds which are not completely controlled by the first treatment will usually be checked and controlled by repeat applications. The following application should be made 5 to 7 days after the preceding application or when another flush of weeds germinates. If the second application is delayed, conventional treatment as described above will be necessary.

Apply the 4 1/2 to 7 1/2 pint rates only to sugar beets past the two-true leaf stage.

SPLIT APPLICATIONS—CALIFORNIA: Split applications of BETAMIX at 2 1/2 to 6 pints per acre broadcast equivalent may be made when the sugar beets have at least two true leaves. Use the lower rate when temperatures are above 85°F or the crop is under stress. Allow 4 to 7 days between applications.

DOSAGE CHART FOR BAND APPLICATION

Broadcast Equivalent	Band Width	Band Rate		
		Row Spacing		
		22"	28"	32"
2 pints/acre	5"	7.3 fl. oz.	5.7 fl. oz.	5.3 fl. oz.
	7"	10.1 fl. oz.	8.0 fl. oz.	7.5 fl. oz.
3 pints/acre	5"	10.9 fl. oz.	8.5 fl. oz.	8.0 fl. oz.
	7"	15.2 fl. oz.	12.0 fl. oz.	11.2 fl. oz.
4 1/2 pints/acre	5"	16.4 fl. oz.	12.9 fl. oz.	12.1 fl. oz.
	7"	22.9 fl. oz.	18.0 fl. oz.	16.9 fl. oz.
6 pints/acre	5"	21.8 fl. oz.	17.1 fl. oz.	16.0 fl. oz.
	7"	30.5 fl. oz.	24.0 fl. oz.	22.5 fl. oz.
7 1/2 pints/acre	5"	27.3 fl. oz.	21.4 fl. oz.	20.1 fl. oz.
	7"	38.2 fl. oz.	30.0 fl. oz.	28.1 fl. oz.



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IMPORTANT: READ BEFORE USE

By using this product, user 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 and soil conditions, manner of use and other factors beyond NOR-AM Chemical Company's control, it is impossible for NOR-AM to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible.

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 NOR-AM Chemical Company is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. UNDER NO CIRCUMSTANCES SHALL NOR-AM CHEMICAL COMPANY BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM FAILURE TO USE THIS PRODUCT IN ACCORDANCE WITH LABEL DIRECTIONS.

LIMITATIONS OF LIABILITY: In no event shall NOR-AM Chemical Company's liability for damages arising out of the use of this product exceed the purchase price of the product used.

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