

US EPA ARCHIVE DOCUMENT



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

A N L

6/1/81

OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

SUBJECT: Request for Estimated Environmental Concentration(s)  
and Fate Data For:

Temik 15G \*  
Temik 10G \*

FROM: Chief, Ecological Effects Branch

TO: Chief, Environmental Fate Branch

The Registration Division (RD) has requested that the Ecological Effects Branch (EEB) Review Temik 15G and Temik 10G for use on Sorghum, Citrus (lemons, limes, grapefruit) tomatoes (field + greenhouse). The product name(s) and Registration number(s) are: 264-330, 264-331.

In order to complete this review EEB requires (an) Estimated Environmental Concentration(s) (EEC's) from the Environmental Fate Branch (EFB) for the parent compound(s) (and major degradates/metabolites, when appropriate). Specifically, EEB requires the following data for the proposed pesticide(s):

A. Estimated Environmental Concentration(s)

1. EEC's in Water

EEC's for the parent compound(s) (and major degradates/metabolites, when appropriate) in the following aquatic sites likely to be exposed to application(s) of the pesticide(s), and determination of the extent and duration (including frequency of occurrence) of such EEC's for the scenario(s) checked below:

a. Lentic Situation(s)

- (1) Standard scenario for CITRUS use pattern (reference attached). X
- (2) Other scenario (reference attached). X  
SEE attached reference for Sorghum

\* - ~~to~~ Labels attached.

b. Lotic Situations(s)

(1) Stream (5m width, 0.75m depth, 10 CFS flow rate). X

(2) River (100m width, 3m depth, 1000 CFS flow rate). X

(3) Other scenario (reference attached). \_\_\_\_\_

c. Special Situation(s)

\_\_\_\_\_  
(Reference attached). \_\_\_\_\_

2. EEC's in Hydrosol

Estimated residues for the parent compound(s) (and major degradates/metabolites, when appropriate) in hydrosol associated with the aquatic sites of 1(a), (b) and/or (c) above. Also, determination of extent and duration (including frequency of occurrence) of such residue(s) and identification of composition of hydrosol.

X

~~3.~~ Estimated Residues in Terrestrial Environment

a. Estimated foliar residue(s) for the parent compound(s) (and major degradates/metabolites, when appropriate) in/on the following mammalian or avian food items likely to be exposed to direct application(s) of the pesticides(s), and determination of the extent and duration (including frequency of occurrence) of such residues.

- i. Short Grasses X
- ii. Long Grasses X
- iii. Leaves and Leafy Items X
- iv. Dense Foliage X
- v. Pods Containing Seeds X
- vi. Grain and Seeds X
- vii. Fruit X
- viii. Nuts X
- ix. Insects X

~~4.~~ Soil Residues

Estimated residue(s) for the parent compound(s) (and major degradates/metabolites, when appropriate) in soils found under typical use situations.

- 0.1 Inch Soil Depth X
- 1.0 Inch Soil Depth \_\_\_\_\_
- 1.1-3.0 Inch Soil Depth \_\_\_\_\_
- >3.0 Inch Soil Depth \_\_\_\_\_

B. Pertinent environmental fate information needing clarification in relation to the EEC include: X

C. Estimated environmental mobility (i.e., terrestrial movement, volatility, etc.) X

D. Estimated bioaccumulation potential \_\_\_\_\_

In closing, note that EEB began review on 6/1/81 and expects to complete the review by approximately 7/3/81. Your projected completion date is requested to permit any needed amendment to our projected completion date. The proposed label(s) is (are) attached. Please return your completed review to D. J. Doherty / R. Hitch / Bowen of EEB.\*

*for* Clayton Bushong

75651  
telephone 557-0596. Please call and I will  
Pick up Review personally.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

L

DATE: \_\_\_\_\_  
SUBJECT: Final Aquatic ETD Scenario for Pesticide Application to Florida Citrus

FROM: Fishery Biologist, Section #2, National Office Branch

TO: All EEB Scientists and EPP Section #1 Scientists

Norm J. Cook, Head, Section #2, EEB

Clayton Bushong, Chief, EEB

Willa Garner, Head, Section #1, EPP

Following the Ecological Effects Branch (EEB) and Ecotoxicology and Fate Branch (EEB) review of the 4-20-81 proposed scenario, the calculation of estimated environmental concentrations (EECs) in aquatic habitats resulting from pesticide applications to citrus fruit, the following assumptions have been adopted and should be used for all future calculations:

- (a) The basin size was 1.3 acres including the pond.
- (b) The pond was 13 feet deep and 1.3 acre surface area.
- (c) The runoff input was difficult to estimate. The standard Wauchop reference gives no standard for slope as the essentially flat terrain.
  - (1) One value chosen from a study with endrin on a 0.2% slope and 3 cm runoff was 0.19% runoff of pesticide accompanying 1 inch of water runoff (scenario 1).
  - (2) In addition, these sites are tile-drained and EEB has little data to judge leaching or runoff except for a calculated  $K_p$  using an approximate water solubility. A worst case assumes that 50% of the chemical leaches the pond accompanying 5" of rainfall via the tile system or open irrigation systems (a worst-case runoff situation) (scenario 2).

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE:

SUBJECT: Interim Aquatic EEC Scenario for Pesticide Application to  
Nebraska Sorghum

FROM: Fish and Wildlife Biologist  
Ecological Effects Branch, HED

TO: Willa Garner, Head, Section #1  
Environmental Fate Branch, HED

THRU: Les Touart, EEC Coordinator  
Ecological Effects Branch, HED

The Ecological Effects Branch (EEB) proposes the following interim scenario for calculation of estimated environmental concentrations (EEC's) in aquatic habitats resulting from pesticide applications to Sorghum. The following assumptions have been made, and should be used for all such EEC calculations:

- (a) The basin size was 200 acres (including the pond).
- (b) The pond was 10 feet deep and 2 acres in surface area.
- (c) Runoff was estimated to be 1.5 inches or 5.5 percent of annual precipitation (27 inches/year) based upon watershed data collected by Soil Conservation Service, Dee Creek Survey.
- (d) Terrain was rolling (8 to 10 degrees slope).
- (e) Field size range from 20 to 120 acres (average = 40 acres).
- (f) Approximately 6.5 % of Nebraska's total sorghum acreage (ca. 1,902,000) is irrigated.



# UNION CARBIDE TEMIK

ALDICARB PESTICIDE

## 15% GRANULAR

### GENERAL DIRECTIONS FOR USE

#### GENERAL INFORMATION

TEMIK 15% granules control certain insects, mites and nematodes when applied into most soil at planting and to post-emergence in the active ingredient, Aldicarb, is highly absorbable by plants and soils. Also the granules are made of a polymer which prevents them from being washed away by rain or irrigation water. Control is usually obtained within 24 to 48 hours after application.

#### GENERAL CAUTIONS

Use TEMIK 15% granules only in accordance with the directions on the label and do not use in any other manner. Do not use on any crop or soil which is known to be sensitive to Aldicarb. Do not use on any crop or soil which is known to be sensitive to Aldicarb. Do not use on any crop or soil which is known to be sensitive to Aldicarb. Do not use on any crop or soil which is known to be sensitive to Aldicarb.

in cotton with irrigation within one week. If alternate furrows are to be planted after side dress application, the TEMIK and water must be on the same side of the plant row.

Do not use on any soil which is known to be sensitive to Aldicarb. Do not use on any soil which is known to be sensitive to Aldicarb. Do not use on any soil which is known to be sensitive to Aldicarb. Do not use on any soil which is known to be sensitive to Aldicarb.

#### COMPATIBILITY

TEMIK 15% granules are compatible with most commonly used agricultural chemicals. However, it is recommended that you consult the manufacturer's label for any special precautions.

### DIRECTIONS FOR USE AND RECOMMENDED APPLICATIONS

Crop	Application	Rate	Remarks and Use
COTTON	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil. If alternate furrows are to be planted after side dress application, the TEMIK and water must be on the same side of the plant row.
	At first squaring	1.0 to 1.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
	From squaring through early bloom	1.0 to 1.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
PEANUTS	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
POTATOES	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
SUGAR CANE	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
SUGAR BEETS	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.

## FOR CONTROL OF CERTAIN INSECTS, MITES AND NEMATODES

### PRE-HARVEST AND GRAZING USE INFORMATION AND LIMITATIONS

To obtain further information:

- COTTONSEED**
  - Do not use more than one at planting application and one post-emergence application per crop.
  - Do not apply within 60 days of harvest.
- PEANUTS**
  - Do not use more than one application per crop.
  - Do not apply within 60 days of application.
  - Do not use on treated areas.
  - Do not feed to any livestock.
- POTATOES**
  - Do not use more than one application per crop.
  - Do not apply within 60 days of application.
  - Do not use on treated areas.
  - Do not feed to any livestock.
- SUGAR BEETS**
  - Do not use more than one at planting application and one post-emergence application per crop.
  - Do not apply within 60 days of application.
  - Do not use on treated areas.
  - Do not feed to any livestock.

### SUGARCANE AND SWEET POTATOES

- Do not use more than one application per crop.
- Do not harvest within 120 days of application.
- Do not feed to any livestock.

### ORANGES

- Do not use more than one application per year.

### DRY BEANS

- Do not use more than one application per year.
- Do not harvest within 60 days of application.
- Do not feed to any livestock.

### SOYBEANS

- Do not use more than one application per year.
- Do not harvest within 60 days of application.
- Do not feed to any livestock.

### PECANS

- Do not use more than one application per year.
- Do not harvest within 60 days of application.
- Do not feed to any livestock.

### OTHER CROPS

- Do not use on any crop not listed on the label in a treated area in 15 days before harvest.
- Do not use on any crop not listed on the label in a treated area in 15 days before harvest.

### MEAT AND SILK

- Do not use on any crop not listed on the label in a treated area in 15 days before harvest.

Crop	Application	Rate	Remarks and Use
SUGAR BEETS	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
SWEET POTATOES	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
ORANGES	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
BEANS	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
SOYBEANS	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
PECANS	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.
	At planting	2.0 to 2.5 lbs/acre	Apply granules in a 4 to 6 inch band along the side of the plant row and cover with soil.



Added to Use Directions for Cotton, Peanuts, Sugar Beets, Potatoes and  
 In Louisiana only, Sugarcane and Sweet Potatoes as on TMH 152 Granular  
 Aldicarb Pesticide label MFC 1/15/98 30 lb. bag: Each Panel

Crop & Time of Application	Insects Controlled	Pounds/Acre	Ounces/1000 Feet of Row	Recommended Application
Sorghum		18 to 60	18 to 60	Apply granules in seed furrow and cover with soil.
At-planting	Insects	3.5 to 7.0 (based on 36 inch row spacing).	4.0 to 7.5	

Pre-harvest and grazing use information and limitations

Sorghum

- Do not make more than one application per crop
- Do not harvest within 90 days of application
- Do not feed green forage or hay to livestock

This information will appear on the back panel of  
 TMH 152 granular Aldicarb pesticide 30 lb. bag.

Added to the Directions for Cutworm, Grubs, Sugar Beets, Potatoes and In Low's and Only, Sugarcane and Sweet Potatoes as on LEWIS 150 granular and 150 granular pesticide label (effective 2016 bag; Back Panel)

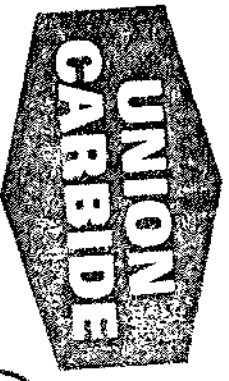
Type of Host Plant	Pests Controlled	Pounds/Acre	Concns./1000 feet of row	Recommended Application
Stems (Field Grow)	Colorado potato beetle	54 to 74 inch row spacing	None applicable	Apply granules uniformly in a 12 to 18 inch band over the row. Disk or till thoroughly to a depth of 2 to 3 inches. Plant crop in usual manner into treated zone.
Prior to or at time of transplanting or seeding.	Colorado potato beetle	14 to 27 (Based on 44 inch row spacing)	27 to 54.5	Apply granules uniformly in a 12 to 18 inch band over the row. Disk or till thoroughly to a depth of 2 to 3 inches. Plant crop in usual manner into treated zone.
Stems (Greenhouse)	Aphids Colorado potato beetle	20 to 27 pounds  7 to 20 (Based on 50 inch row spacing)	None applicable  10 to 37	None applicable  Urtill granules 1 to 2 inches below seed line or transplant line and cover with soil. If rate exceeds 7 pounds per acre apply granules sideways 4 to 5 inches from seed or transplants on one or both sides of plant row and 3 to 4 inches deep. OR Apply granules uniformly in a 12 to 18 inch band over the row. Disk or till thoroughly to a depth of 2 to 3 inches and plant crop in usual manner into treated zone.
Within one week after transplanting plants planted.	Whitefly	20 to 27 pounds	7 to 10  Quince/1000 sq. feet of Plant Bed	Apply granules as overall broadcast to plant beds and thoroughly work or water into the soil. Wash off granules adhering to foliage.

Pre-harvest and grazing use information and limitations.

*Don't take and*

35-10-17  
EPA 16811

NET WT. 50 LBS. CONTAINS 2 x 25 LB. BAGS P 84183



# TENMILK

ALACER PESTICIDE FOR AGRICULTURAL USE

FOR CONTROL OF CERTAIN INSECTS, MITES AND NEMATODES

For more information, contact the Union Carbide Agricultural Products Division

# 10% GRANULAR

Active ingredient: Alacrisin [2-methyl-2-(methylthio) propionamide] 90%  
Inert ingredients: 10%  
EPA Reg. No. 264-131

EPA Est. No. 10352 GA-01

**KEEP OUT OF REACH OF CHILDREN  
DANGER POISON**

POISONOUS IF SWALLOWED. MAY BE FATAL. IRRITATION BY CONTACT WITH EYES. CONTACT OR BREATHING DUST RAPIDLY ASSOCIATED WITH IRRITATION OR LESIONS OF THE EYE. GLOVES, GOGGLES, AND PROTECTIVE CLOTHING IS ADVISED. READ THE ENTIRE LABEL BEFORE USING THIS PRODUCT.

### LIMITED WARRANTY AND DISCLAIMER

1. The manufacturer warrants that the product is free from defects in material and workmanship under normal use and handling for the period of time specified on the label. The manufacturer does not warrant the product for use in any other manner or for any other purpose. The manufacturer does not warrant the product for use in any other manner or for any other purpose. The manufacturer does not warrant the product for use in any other manner or for any other purpose.

2. The manufacturer warrants that the product is free from defects in material and workmanship under normal use and handling for the period of time specified on the label. The manufacturer does not warrant the product for use in any other manner or for any other purpose. The manufacturer does not warrant the product for use in any other manner or for any other purpose.

3. THE WARRANTY IS LIMITED TO THE PRODUCT AS SHOWN ON THE LABEL AND DOES NOT EXTEND TO ANY OTHER PRODUCT OR TO ANY OTHER USE. THE WARRANTY IS LIMITED TO THE PRODUCT AS SHOWN ON THE LABEL AND DOES NOT EXTEND TO ANY OTHER PRODUCT OR TO ANY OTHER USE. THE WARRANTY IS LIMITED TO THE PRODUCT AS SHOWN ON THE LABEL AND DOES NOT EXTEND TO ANY OTHER PRODUCT OR TO ANY OTHER USE.

UNION CARBIDE AGRICULTURAL PRODUCTS COMPANY, INC.  
7825 BAYMEADOWS WAY, JACKSONVILLE, FLORIDA 32216

MADE IN U.S.A. U.S.G. 2401-1125RND

ACCEPTED

JAN 22 1981

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under 264-131 EPA Reg. No. 264-131



# TEMIK 10% GRANULAR

ALDICARB PESTICIDE FOR AGRICULTURAL USE

## DIRECTIONS FOR USE AND RECOMMENDED APPLICATIONS

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. To provide maximum performance and to minimize hazard to birds, work granules into or cover with soil to a depth of 2 inches or more. Deep disc any spots at row ends immediately to prevent birds from feeding on granules.

**FOR CONTROL OF CERTAIN INSECTS, MITES AND NEMATODES**

(SEE BACK AND END PANELS FOR ADDITIONAL USE DIRECTIONS AND LIMITATIONS)

Crop & Time of Application	Pests Controlled	Pounds/Acre	Ounces/1000 feet of row	Recommended Application	
<b>SOYBEANS</b>		30 to 48 inch row spacing		Dish granules 2 to 3 inches below seed line or 2 to 3 inches to side of seed row and 2 to 3 inches deep. OR Granules can be placed in seed furrow if rate does not exceed 7.5 pounds per acre.	
	At Planting	Mexican bean beetle	7.5 to 15 (based on 35 inch row spacing)		6 to 16
	Nematodes	15 to 30 (based on 35 inch row spacing)	16 to 32	Apply granules in a 6 to 8 inch band and work into soil or cover with soil to a depth of 2 to 4 inches. Plow and in treated zone.	
<b>PECANS</b>	15 Southern states bud break period High bud break to nut set or about April 15 to May 15	Spittle bugs Mites	50-800	Not applicable	Apply as a 4-6 foot band along dripline on both sides of tree row by spreading granules uniformly and immediately working into soil OR by spreading 2-3 inches into soil on 15 inch centers.
	One to two weeks before bud break	Scale, mites, etc. (see label for details)			
Newly transplanted trees 3 years old during period of bud break or about Apr. 15 to May 15	Aphids Aphids	Dose rate Ounces TEMIK 10% Tree	6-32	Not applicable	Apply as a 4 side dress to individual trees by spreading the granules uniformly around the tree and immediately working into the soil to a depth of 2-3 inches.
	One to two weeks before bud break				

UCC-2807-41253ND

RECEIVED  
12-10-50  
EPA/OPP/RED



# TEMIK 10% GRANULAR

ALDICARB PESTICIDE FOR AGRICULTURAL USE

## GENERAL DIRECTIONS FOR USE

### GENERAL INFORMATION

(See Back and End Panels For Crop Use Directions)

TEMIK 10% Aldicarb Pesticide For Agricultural Use controls certain insects, mites and nematodes. When applied into moist soil at planting and/or post-emergence the active ingredient is rapidly absorbed by roots and translocated throughout all parts of the plant. Control often lasts more than six weeks, varying with growing conditions, rate of use and pests. Crop yields are usually increased with treatments of TEMIK 10% Aldicarb Pesticide For Agricultural Use.

### GENERAL CAUTIONS

Use TEMIK 10% Aldicarb Pesticide For Agricultural Use only in accordance with label directions, warnings and cautions. Do not use on any crop not listed on this label. As any residues remaining may be illegal or harmful, DO NOT STORE OR USE IN OR AROUND THE HOME OR HOME GARDEN.

Use high rate on heavy organic or clay soils. Do not overapply. Treatments in excess of 10 pounds per acre made directly in the seed furrow of cotton or sugar beets, and 7.5 pounds per acre of soybeans or dry beans may delay emergence and plant stand.

Make side-dress applications close enough to plants to allow good uptake by the roots without injury to the plants from root pruning. In irrigated areas follow application with irrigation within one week. If alternate furrows are irrigated after side-dress application, the TEMIK and water must be on the same side of the plant row.

Calibrate and adjust application equipment to insure proper rate and accurate placement. Clean application equipment thoroughly after use. Bury any excess material in soil (see instructions on TOP PANEL of this carton for DISPOSAL OF SPILLED OR EXCESS TEMIK and EMPTY CONTAINERS).

Deep-disk any spills at row ends immediately to prevent birds from feeding on exposed granules.

DO NOT APPLY THIS PRODUCT IN SUFFOLK COUNTY, LONG ISLAND, NEW YORK, USA.

### COMPATIBILITY

Preplant activity of TEMIK 10% Aldicarb Pesticide is not affected by routine applications of fertilizers or other pesticides. It may be reduced or lost if applied with alkaline materials such as lime. To minimize potential exposure hazards, do not mix TEMIK Aldicarb Pesticide with other materials before application.

### PRE-HARVEST AND GRAZING USE INFORMATION AND LIMITATIONS

To avoid illegal residues:

#### COTTONSEED

- Do not make more than one at-planting application and one post-emergence application per crop.
- Do not apply within 90 days of harvest.

#### PEANUTS

- Do not make more than one application per crop.
- Do not harvest within 90 days of application.
- Do not hog off treated fields.
- Do not feed hay or viny to livestock.

#### POTATOES

- Do not make more than one application per crop.
- Do not harvest within 90 days of an at-planting application.
- Do not apply a post-emergence application within 50 days of harvest.
- Do not apply this product in Suffolk County, Long Island, New York, USA.

#### SUGAR BEETS

- Do not make more than one at-planting application and two post-emergence applications per crop.
- Do not exceed a total of 60 pounds per acre.
- Do not apply within 90 days of harvest.
- If tops are to be fed to livestock, do not apply within 120 days of harvest.
- Do not use tops as food for humans.

#### SUGARCANE AND SWEET POTATOES

- Do not make more than one application per crop.
- Do not harvest within 120 days of application.
- Do not feed sweet potato vines to livestock.

#### ORANGES

- Do not make more than one application per year.

#### DRY BEANS

- Do not make more than one application per crop.
- Do not harvest within 90 days of application.
- Do not feed green forage hay or straw to livestock.
- Do not use green forage as food for humans.

#### SOYBEANS

- Do not make more than one application per crop.
- Do not harvest within 90 days of application.
- Do not feed green forage hay or straw to livestock.

#### PECANS

- Do not make more than one application per year.
- Do not allow livestock to graze in treated areas.
- Do not harvest forage or hay from treated areas.

#### OTHER CROPS

- Do not plant any crop not listed on this label in soil treated with TEMIK 10% within six months after last application.
- Do not apply this product in Suffolk County, Long Island, New York, USA.

#### MEAT AND MILK

- Do not allow livestock to graze in treated areas before harvest.

UCC-2407-412535-0

12-10-90  
EPA 100PP1RD



# TEMIK 10% GRANULAR

## FOR CONTROL OF CERTAIN INSECTS, MITES AND NEMATODES

(SEE END PANELS FOR ADDITIONAL USE DIRECTIONS AND LIMITATIONS)

ALSO AVAILABLE FOR AGRICULTURAL USE

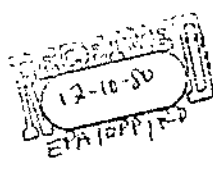
### DIRECTIONS FOR USE AND RECOMMENDED APPLICATIONS

It is a violation of Federal law to use this product for a purpose not intended by the manufacturer. For complete information on the proper use of this product, please refer to the label on the container. Use only for the purposes listed on the label. Do not use this product for any other purpose. Do not use this product on any crop or animal which is known to be sensitive to this product. Do not use this product on any crop or animal which is known to be resistant to this product. Do not use this product on any crop or animal which is known to be tolerant to this product. Do not use this product on any crop or animal which is known to be susceptible to this product. Do not use this product on any crop or animal which is known to be resistant to this product. Do not use this product on any crop or animal which is known to be tolerant to this product. Do not use this product on any crop or animal which is known to be susceptible to this product.

Crop & Time of Application	Formulation	Rate (lb/acre)	Preparation	Remarks
COTTON	At planting	1 lb/5-10 rows	Apply granules to soil in rows	Control of root-knot, nematodes, and other soil-borne pests.
	At flowering	1 lb/5-10 rows	Apply granules to soil in rows	Control of root-knot, nematodes, and other soil-borne pests.
PEANUTS	At planting	1 lb/5-10 rows	Apply granules to soil in rows	Control of root-knot, nematodes, and other soil-borne pests.
	At flowering	1 lb/5-10 rows	Apply granules to soil in rows	Control of root-knot, nematodes, and other soil-borne pests.
POTATOES	At planting	1 lb/5-10 rows	Apply granules to soil in rows	Control of root-knot, nematodes, and other soil-borne pests.
	At flowering	1 lb/5-10 rows	Apply granules to soil in rows	Control of root-knot, nematodes, and other soil-borne pests.

Crop & Time of Application	Formulation	Rate (lb/acre)	Preparation	Remarks
SUGAR BEETS	At planting	1 lb/5-10 rows	Apply granules to soil in rows	Control of root-knot, nematodes, and other soil-borne pests.
	At flowering	1 lb/5-10 rows	Apply granules to soil in rows	Control of root-knot, nematodes, and other soil-borne pests.
SUGAR CANE	At planting	1 lb/5-10 rows	Apply granules to soil in rows	Control of root-knot, nematodes, and other soil-borne pests.
	At flowering	1 lb/5-10 rows	Apply granules to soil in rows	Control of root-knot, nematodes, and other soil-borne pests.

Crop & Time of Application	Formulation	Rate (lb/acre)	Preparation	Remarks
SUGAR BEETS	At planting	1 lb/5-10 rows	Apply granules to soil in rows	Control of root-knot, nematodes, and other soil-borne pests.
	At flowering	1 lb/5-10 rows	Apply granules to soil in rows	Control of root-knot, nematodes, and other soil-borne pests.
SWEET POTATOES	At planting	1 lb/5-10 rows	Apply granules to soil in rows	Control of root-knot, nematodes, and other soil-borne pests.
	At flowering	1 lb/5-10 rows	Apply granules to soil in rows	Control of root-knot, nematodes, and other soil-borne pests.
ORANGES	At planting	1 lb/5-10 rows	Apply granules to soil in rows	Control of root-knot, nematodes, and other soil-borne pests.
	At flowering	1 lb/5-10 rows	Apply granules to soil in rows	Control of root-knot, nematodes, and other soil-borne pests.
BEANS	At planting	1 lb/5-10 rows	Apply granules to soil in rows	Control of root-knot, nematodes, and other soil-borne pests.
	At flowering	1 lb/5-10 rows	Apply granules to soil in rows	Control of root-knot, nematodes, and other soil-borne pests.



**KEEP DRY**  
Moisture can increase handling hazards

**STORAGE AND DISPOSAL**

STORE UNUSED TEMK IN ORIGINAL CONTAINER ONLY IN WELL VENTILATED CLEAN DRY AREA OUT OF REACH OF CHILDREN AND ANIMALS. DO NOT STORE IN AREAS WHERE TEMPERATURE REACHES 115 F OR GREATER. DO NOT STORE IN OR AROUND THE HOME OR HOME GARDEN. DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.

IF CONTAINER IS BROKEN, HANDLE WITH RUBBER GLOVES. DO NOT GET DUST ON GLOVES OR ON SKIN OR EYES. DO NOT BREATHE DUST. SNEEZE UP AND BLINK ANY SMALL SPILLS OR EXCESS TEMK AT LEAST 10 FEET.

KEEP IN SOIL, ISOLATED FROM WATER SUPPLIES AND FOOD CROPS.

DISPOSE OF PESTICIDE CONTAINER IN AN APPROVED INCINERATOR OR LANDFILL. NEVER REUSE EMPTY CONTAINER.

CONSULT FEDERAL, STATE OR LOCAL DISPOSAL AGENCIES FOR APPROVED ALTERNATIVE PROCEDURE. SUCH AS BURNING, BURIAL, STAYAWAY FROM AND DO NOT BREATHE OR CONTACT SMOKE.

IN CASE OF A TRANSPORTATION OR WAREHOUSE EMERGENCY INVOLVING A SPILL, FINE DUST OR EXCESSIVE CALL COLLECT 1244 744-3187 TWENTYFOUR HOURS A DAY IN THE USA.



**KEEP OUT OF REACH OF CHILDREN**  
**DAANGER POISON**



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

POISONOUS IF SWALLOWED. MAY BE FATAL OR HARMFUL BY SKIN OR EYE CONTACT OR BY BREATHING DUST RAPIDLY ABSORBED THROUGH SKIN OR EYES. DO NOT GET ON SKIN OR EYES. DO NOT BREATHE DUST AND DO NOT GET ON SKIN OR EYES. SEE STATEMENT OF PRACTICAL TREATMENT AND OTHER DETAILED WARNINGS ON THIS PACKAGE READ THE ENTIRE LABEL BEFORE USING THIS PESTICIDE.

WEAR LONG SLEEVED CLOTHING AND PROTECTIVE GLOVES WHEN HANDLING. WASH HANDS AND FACE BEFORE EATING OR SMOKING. BATHE AT THE END OF WORK DAY WASHING ENTIRE BODY AND HAIR WITH SOAP AND WATER. CHANGE CONTAMINATED CLOTHING DAILY AND WASH IN STRONG WASHING SOAP SOLUTION AND RINSE THOROUGHLY BEFORE REUSING.

**SYMPTOMS OF POISONING**

May be one or more of the following:

Weakness	Nausea	Headache	Swelling	Itching	Redness in Chest	Respiratory	Unconsciousness
Headache	Swelling	Itching	Redness in Chest	Respiratory	Unconsciousness	Profound Eye Pain	Abnormal Flow of Saliva
Headache	Swelling	Itching	Redness in Chest	Respiratory	Unconsciousness	Abnormal Flow of Saliva	Abnormal Flow of Saliva

CONTACT A PHYSICIAN IMMEDIATELY IN ALL CASES OR SUSPECTED POISONING.

**ENVIRONMENTAL HAZARDS**  
**TOXIC TO FISH, BIRDS, AND WILDLIFE**

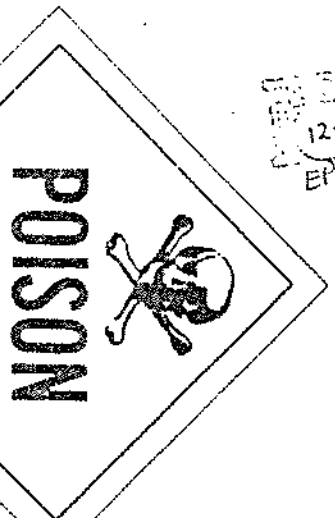
This product is toxic to fish, birds, and game animals. Handle according to label directions. Do not contaminate water by cleaning of equipment or disposal of excess. Allow the product only as specified on this label.

**STATEMENT OF PRACTICAL TREATMENT**

**ANTIDOTE**  
ANTIDOTE is Atropine Sulfate.

**FIRST AID TREATMENT**  
If symptoms are moderate, give atropine sulfate tablets as directed by the physician. Do not give antidote unless symptoms of poisoning have occurred. Transport patient to a physician or hospital, whichever is faster. Keep patient warm and quiet. Rebreathing is difficult, give oxygen. Start artificial respiration immediately if breathing stops. SHOW A COPY OF THIS LABEL TO THE PHYSICIAN.

**IN CASE OF SKIN OR EYE CONTACT**, wash skin immediately and thoroughly with soap and water and flush eyes with plenty of water for 15 minutes. Remove contaminated clothing and wash under running water.



Dept of Agriculture  
Marketing name Carb. Fertilizer  
Product name Sand N O  
Approved 10-1  
11/2/57

**INFORMATION FOR PHYSICIAN**

This product is a Carbamate Pesticide containing 2-methyl-12-Imethylthio-1,3-bis(4-methylphenyl)carbamoylpyrimidine. It is a moderately irreversible cholinesterase inhibitor causing parasympathetic nerve stimulation. Preferred treatment of poisoning in adults is atropine sulfate given with quiescence. As much as 2 to 4 mg may be administered every 10 to 12 minutes until patient is fully atropinized. Dosage for children is approximately 1 mg and atropinization should be maintained for 12 hours by intramuscular administration of atropine. In severe cases given at appropriate time intervals. If oral administration is in doubt, intravenous injection of atropine. Artificial respiration, if necessary, may be necessary. Oxygen patient continuously for at least 24 hours. Allow patient exposure to any fresh outdoor products until consciousness level is returned by direct test.

**IN CASE OF EMERGENCY**  
**PHONE COLLECT (24 HOURS A DAY)**  
**IN U.S.A. (304) 744-3187**

Adapt to Use Directions for Cotton, Peanuts, Sugar Beets, Potatoes and  
 in Louisiana only, Soybeans and Sweet Potatoes as on ITHIX 101 Granular  
 Allicarb Pesticide label SPC 2407J 50 lb Carton: Back Panel

*Carton 13, 694, 500  
 Pesticide 1, 388, 200*

Crop & Time of Application	Pests Controlled	Pounds/Acre	Ounces/1000 Feet of Row	Recommended Application
Soybeans		1# to 4# 48 inch row spacing		
Alfalfa	Herbicides	5 to 10 (based on 36 inch row spacing).	4.5 to 11	Apply granules in seed furrow and cover with soil.

Pre-harvest and grazing use information and limitations

Soybeans

- Do not make more than one application per crop
- Do not harvest within 90 days of application
- Do not feed green forage or hay to livestock

This information will appear on the back panel of ITHIX 101 granular aldicarb pesticide for alfalfa - (oral use 50 lb. carton).



---

Page 16 is not included in this copy.

Pages \_\_\_\_\_ through \_\_\_\_\_ are not included in this copy.

---

The material not included contains the following type of information:

- Identity of product inert ingredients
  - Identity of product impurities
  - Description of the product manufacturing process
  - Description of product quality control procedures
  - Identity of the source of product ingredients
  - Sales or other commercial/financial information
  - A draft product label
  - The product confidential statement of formula
  - Information about a pending registration action
  - FIFRA registration data
  - The document is a duplicate of page(s) \_\_\_\_\_
  - The document is not responsive to the request
- 

The information not included is generally considered confidential by product registrants. If you have any questions, please contact the individual who prepared the response to your request.

---

Added to Use Directions for Cotton, Peanuts, Sugar Beets, Potatoes and In Louisiana Only, Sugarcane and Sweet Potatoes as on TENU-160 granular aldicarb pesticide label UCC2407J 50 lb carton: Back Panel

Crop & Time of Application	Pests Controlled	Pounds/Acre	Ounces/1000 feet of Row	Recommended Application
Tomatoes (field grown) Just prior to or at the time of transplanting or seeding.	Root-knot nematode	20 to 40 (Based on 64 inch row spacing)	40.5 to 82	Apply granules uniformly in a 12 to 16 inch band over the row. Disk or till thoroughly to a depth of 2 to 3 inches. Plant crop in usual manner into treated zone.
		30 to 40 pounds	Not applicable	
Tomatoes (Greenhouse)	Aphids Colorado potato beetle	10 to 30 (Based on 60 inch row spacing)	15.5 to 55.5	Crill granules 1 to 2 inches below seed line or transplant line and cover with soil. If rate exceeds 7 pounds per acre apply granules sideways 4 to 5 inches from seed or transplants on one or both sides of plant row and 2 to 4 inches deep. OR Apply granules uniformly in a 12 to 18 inch band over the row. Disk or till thoroughly to a depth of 2 to 3 inches and plant crop in usual manner into treated zone.
			Ounces/1000 sq. feet of plant bed	
Within one week after transplanting plants to plant bed.	Whitefly	30 to 40 pounds	10.5 to 15	Apply granules as overall broadcast to plant beds and thoroughly work or water into the soil. Wash off granules adhering to foliage.

1/ Pre-harvest and grazing use information and limitations.