

PM 19 264-331

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File



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

APR 28 1994

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Warren A. Davis
RHONE-POULENC AG COMPANY
BOX 12014
RESEARCH TRIANGLE PARK, NC 27709

Subject: Label Amendment Submission of 03/21/94 in Response to PR Notice 93-7
EPA Reg. No. 264-331
TEMIK 10% GRANULAR ALDICARB PESTICIDE FOR AGRIC. U

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

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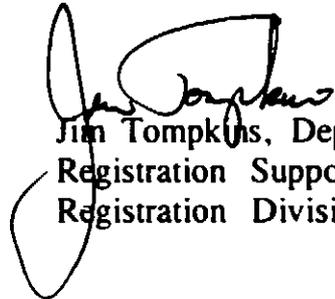
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made o

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division

Warren A. Davis
RHONE-POULENC AG COMPANY
BOX 12014
RESEARCH TRIANGLE PARK NC 27709

Comment for: EPA Reg Nr.264-331
TEMIK 10% GRANULAR ALDICARB PESTICIDE FOR AGRIC. U

The following specific comments pertain to your WPS labeling submission concerning the product cited above:

Add the following statement to the "Personal Protective Equipment" section of your label: "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." The exact location for this statement is shown in Section A on Part 1 of the Product Worksheet in Supplement Three-A to PR Notice 93-7.

Delete the crossed-out statements on your proposed label. They are redundant statements or phrases.

Correct the typographical errors circled on your proposed label.

WORKER PROTECTION STANDARD
CERTIFICATION STATEMENT

I certify that the revised labeling being submitted for:

TEMIK® Brand 10G Ag
EPA REG NO. 264-331

is in complete accordance with the labeling requirements of PR Notice 93-7, which reflects the requirements of EPA's labeling regulations for worker protection statements (40 CFR part 156, subpart K). Where exact language is specified in the PR Notice, I have used that language exactly, in the location specified. I further certify that no revisions are being submitted other than those directed by PR Notice 93-7. I understand that it would be a violation of FIFRA if I or my supplemental registrants were to sell or distribute this product after April 21, 1994, without amended labeling complying with the requirements of 40 CFR part 156, Subpart K.

Warren A. Davis
Warren A. Davis
Senior Registration Manager

The acute toxicity categories (I, II, III, IV) for this product as entered in blocks 3-7 on Part I of the Product Worksheet are:

- 1 Acute oral toxicity
- 2 Acute dermal toxicity
- Skin irritation potential
- Eye irritation potential
- Acute inhalation toxicity

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RESTRICTED USE PESTICIDE

ACUTE ORAL TOXICITY AND GROUNDWATER CONTAMINATION

For retail sale to and use only by Certified Applicators or persons under the direct supervision of a Certified Applicator, and only for those uses covered by the Certified Applicator's certification.

TEMIK® brand 10G ALDICARB PESTICIDE

For Control of Certain Insects, Mites, and Nematodes

ACTIVE INGREDIENT: Aldicarb [2-methyl-2-(methylthio) propionaldehyde-O-(methylcarbamoyl)oxime] 10%

INERT INGREDIENTS: 90%

EPA Reg. No. 264-331

EPA Est. No. 10352-GA-01



KEEP OUT OF REACH OF CHILDREN DANGER POISON PELIGRO



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

For **MEDICAL** And **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours A Day 1-800-334-7577
For **PRODUCT USE** Information Call 1-800-334-9745

STATEMENT OF PRACTICAL TREATMENT

Aldicarb is a n-methyl carbamate.

IF SWALLOWED: Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything orally to an unconscious or convulsing person. Call a physician and follow General advice listed below.

IF IN EYES: Flush eyes with plenty of water and get medical attention.

IF ON SKIN: Wash thoroughly with soap and water.

IF INHALED: Call a physician and follow General advice listed below.

GENERAL

Contact a physician immediately in all cases of suspected poisoning. Illness may be produced rapidly following over-exposure to TEMIK® Aldicarb. If breathing stops, establish an airway and start artificial respiration, and provide oxygen. Make certain to remove all sources of continuing contamination. Transport the patient to a physician or hospital immediately and **SHOW A COPY OF THIS LABEL TO THE PHYSICIAN.** If poisoning is suspected in animals, contact a veterinarian.

ANTIDOTE STATEMENT

ATROPINE SULFATE IS HIGHLY EFFECTIVE AS AN ANTIDOTE. See NOTE TO PHYSICIAN.

NOTE TO PHYSICIAN

TEMIK® brand aldicarb is an n-methyl carbamate insecticide which is a cholinesterase inhibitor. Overexposure to this substance may cause toxic signs and symptoms due to stimulation of the cholinergic nervous system. These effects of overexposure are spontaneously and rapidly reversible.

Gastric lavage may be used if this product has been swallowed. TEMIK® brand aldicarb poisoning may occur rapidly after ingestion and prompt removal of stomach contents is indicated.

Specific treatment consists of the administration of parenteral atropine sulfate. Caution should be exercised to prevent over-atropinization. Mild cases may be given 1 to 2 mg intra-muscularly every 10 minutes until full atropinization has been achieved and repeated thereafter whenever symptoms reappear. Severe cases should be given 2 to 4 mg intravenously every 10 minutes until the patient is fully atropinized, then intramuscularly every 30 to 60 minutes as needed to maintain the effect for at least 12 hours. Dosages for children should be appropriately reduced. Complete recovery from overexposure is to be expected within 24 hours.

Narcotics and other sedatives should not be used. Further, drugs such as (pyridine-2-aldoxime methiodide) are NOT recommended unless organophosphate intoxication is also suggested.

To aid in confirmation of a diagnosis, urine samples must be obtained within 24 hours of exposure and immediately frozen. Analyses will be arranged by Rhône-Poulenc Ag Company.

Consultation on therapy can be obtained at all hours by calling the Rhône-Poulenc emergency number 1-800-334-7577.
In EPA Letter Dated

ACCEPTED

APR 28 1994

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Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 264-331

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

FATAL IF SWALLOWED. Causes cholinesterase inhibition. 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 in eyes. Do not breathe dust. Keep away from domestic animals.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

Salivation, Muscle tremor, Nausea, Watery eyes, Difficult breathing, Vomiting, Pinpoint eye pupils, Excessive sweating, Diarrhea, Blurred vision, Abdominal cramps, Weakness, Headache.

In severe cases, convulsions, unconsciousness, and respiratory failure may occur.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Applicators and other handlers must wear coveralls over short-sleeved shirts and short pants, waterproof gloves, chemical-resistant footwear plus socks, chemical-resistant headgear for overhead exposure, protective eye wear, chemical-resistant apron when cleaning equipment, mixing or loading and a dust/mist filtering respirator (NIOSH DFM approval number prefix TC-21C).

Follow manufacturer's instructions for cleaning/maintaining PPE. Keep and wash PPE separately from other laundry. Wash contaminated clothing in strong washing soda solution and rinse thoroughly before reuse.

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) (4-8)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove clothing immediately if pesticide gets inside. Then wash body thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

DECOMPOSITION AND MOVEMENT IN SOIL: This product is readily decomposed into harmless residues under most use conditions. However, a combination of permeable and acidic soil conditions, moderate to heavy irrigation and/or rainfall, use of 20 or more pounds per acre, and soil temperature below 50°F (10°C) at application time tend to reduce degradation and promote movement of residues to groundwater. If the above describes your local use conditions and groundwater in your area is used for drinking, do not use this product without first contacting Rhône-Poulenc at 1-(800) 334-8577.

TOXIC TO FISH, BIRDS, AND WILDLIFE: This product is toxic to fish, birds, aquatic invertebrates and other wildlife. Birds feeding on exposed granules in treated areas may be killed. Cover or incorporate granules in spill areas.

Run-off from treated areas may be hazardous to fish in neighboring areas. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Keep out of lakes, streams, and ponds. Do not contaminate water when disposing of equipment washwaters. Apply this product only as specified on this label.

NOTICE: Under the Endangered Species Act, it is a Federal Offense to use any pesticide in a manner that results in the death of a member of an endangered species.

This Act protects Attwater's Greater Prairie Chicken in the Texas counties of Aransas, Austin, Brazoria, Colorado, Galveston, Goliad, Harris, Refugio, and Victoria.

Prior to making applications in these counties, the user must determine that this species is not located in or immediately adjacent to the area to be treated. If the user is in doubt whether or not the above named endangered species may be affected, he should contact either the regional U.S. Fish & Wildlife Service office (Endangered Species Specialist) or personnel of the State Fish and Game office.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
Read entire label 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 regulations.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. The standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted entry intervals. The requirements in this box only apply to uses of the product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours.

Exception: If the product is soil-incorporated or soil-injected, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated. Once the REI has expired, do not allow persons to come into direct contact with treated soil wet as the result of the initial irrigation or rainfall after treatment unless they are wearing the PPE specified below for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water. Wear long-sleeved shirt and long pants, waterproof gloves, chemical-resistant footwear plus socks, protective eyewear and chemical-resistant headgear for overhead exposure.

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

STORAGE AND DISPOSAL

STORAGE

Store unused TEMIK® brand Aldicarb Pesticide in original container only, in well ventilated clean dry area out of reach of children and animals. Do not store in areas where temperature averages 115°F (46°C) or greater. Do not store in or around the home or home garden.

CONTAINER DISPOSAL

If container is broken, before cleaning up, put on long-sleeved shirt, full-length trousers, head-covering and rubber gloves. Do not get dust or granules on skin or in eyes. Do not breathe dust. Always stand upwind from spill when cleaning up. Sweep up and bury any small spills or excess TEMIK® Aldicarb at least 18 inches deep in soil, isolated from water supplies and food crops.

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

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide 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

Completely empty container into application equipment. Then dispose of empty container in a sanitary landfill or by incineration, or if allowed by state and local authorities, by open burning. If container is burned, stay away from and do not breathe or contact smoke.

IN CASE OF TRANSPORTATION OR WAREHOUSE EMERGENCY INVOLVING A SPILL, FIRE, OR EXPOSURE, CALL 1-800-334-7577 TWENTY-FOUR HOURS A DAY IN THE USA.

GENERAL INFORMATION

TEMIK® brand 10G Aldicarb Pesticide controls certain insects, mites, and nematodes. When applied into moist soil at planting and/or postemergence the active ingredient aldicarb is rapidly absorbed by roots and translocated to all parts of the plant. Rainfall or irrigation soon after application will ensure prompt uptake of aldicarb. 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® brand 10G Aldicarb Pesticide.

GENERAL CAUTIONS

Use TEMIK® brand 10G Aldicarb Pesticide only in accordance with label directions, warnings, and precautions.

DO NOT USE ON ANY CROP NOT LISTED ON THIS LABEL OR SUPPLEMENTAL LABELING 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 exceed the maximum label rate. Applications at higher rates or at more frequent intervals than is stated on the label may result in illegal residues in crop, meat, and milk. Treatments in excess of 10.5 pounds per acre made directly in the seed furrow of cotton, sugar beets, soybeans, or drybeans may delay plant emergence and reduce 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, TEMIK® brand 10G Aldicarb Pesticide 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. For any left over material, see instructions for STORAGE AND DISPOSAL in this booklet.

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

Do not wash, load, or empty application equipment near any well, as this practice is a potential source of ground water contamination.

Do not apply this product in Del Norte and Humboldt counties in California; Nassau or Suffolk counties in New York; or in Curry County, Oregon.

PRE-HARVEST AND GRAZING LIMITATIONS

TO AVOID EXCESSIVE RESIDUES IN OR ON:

COTTONSEED

- Do not make more than one 'at planting' application and one postemergence application per crop.
- Do not apply within 90 days of harvest.
- Do not feed cotton forage to livestock or allow livestock to graze in treated area.

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 vines to livestock.

SUGAR BEETS

- Do not make more than one 'at planting' application and two postemergence 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.

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.

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 pods 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.

PECANS

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

SORGHUM

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

OTHER CROPS

- Do not plant any crop not listed on this label in soil treated with TEMIK® 10G Aldicarb Pesticide within six months after last application.

MEAT AND MILK

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

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GROUNDWATER

- Observe Environmental Hazard precautions regarding Decomposition and Movement in Soil, and carefully follow Directions For Use.
- Do not wash, load, or empty application equipment near any well, as this practice is a potential source of groundwater contamination.
- Do not apply this product in Del Norte, and Humboldt Counties in California; Nassau or Suffolk Counties in New York; or in Curry County, Oregon.

COMPATIBILITY

Pesticidal activity of TEMIK® brand 10G Aldicarb Pesticide is not affected by normal applications of fertilizers or other pesticides. Its effectiveness may be reduced or lost if applied with alkaline materials such as lime. To minimize potential exposure hazards, do not mix TEMIK® aldicarb with other materials before application.

DIRECTIONS FOR USE AND RECOMMENDED APPLICATIONS

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 spills at row ends immediately to prevent birds from feeding on granules. When a range or rates are recommended, use the higher rate if pest infestations are expected to be severe.

Crop & Time Of Application	Pests Controlled	Pounds/Acre	Ounces/1000 Feet of Row	Recommended Application
COTTON At-planting	Aphids, Thrips	3 to 5	<u>40" row spacing</u> 4 to 6	Drill granules just below seed line or place in seed furrow and cover with soil. If seeds and TEMIK® are hill-dropped, TEMIK® rates may be reduced by one-half.
	Fleahoppers, Leafminers, Mites, Overwintering boll weevil (adults feeding on foliage), Plant bugs, including Lygus	6 to 10.5	7.5 to 12	
	Nematodes	5 to 15 (Except Far West)	6 to 18	If rate exceeds 10.5 pounds per acre, apply granules in a 4 to 6-inch band and work into the soil or cover with soil; plant seed in or above treated zone.
	Nematodes	21 to 40.5 (Far West Only)	25.5 to 49.5	
At first squaring	Leafhoppers, Fleahoppers	10.5 to 21	12 to 25.5	Side-dress granules 8 to 16 inches to one side of the plant row and 2 to 6 inches deep (usually at or below bottom of water furrow).
	Mites, Boll weevil, Plant bugs, including Lygus	21 to 30	25.5 to 36	
From squaring through early bloom	Cotton leaf perforator	21	25.5	
	Whiteflies	21 to 30	25.5 to 36	
GRAIN SORGHUM At-Planting	Nematodes	10	<u>36" row spacing</u> 11	Apply granules in seed furrow and cover with soil.
		5 (Texas and Oklahoma only)	5.5	
	Greenbug And Chinch Bug (early season control)	10	11	

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Crop & Time Of Application	Pests Controlled	Pounds/Acre	Ounces/1000 Feet of Row	Recommended Application
PEANUTS At-planting	Thrips	10.5 to 21	<u>35" row spacing</u> 11 to 22.5	Apply granules in seed furrow and cover with soil. In Southwest use high rate only.
	Nematodes	21 to 30	22.5 to 33	Apply granules in a 6 to 12 inch band to a depth of 2 to 4 inches. Plant seed in treated zone.
SUGAR BEETS At-planting or within one week before planting.	Nematodes	40.5 to 49.5	<u>22" row spacing</u> 27 to 33	Apply granules in a 4 to 6 inch band and immediately work into the soil or cover with soil to a depth of 2 to 4 inches. Plant seed in or above treated zone. OR Where furrow irrigation is employed for seed germination, drill granules 3 to 4 inches deep and 3 inches from seed row on water furrow side.
	At-planting	<u>Aphids</u> Leafminers Leafhoppers	<u>10 to 20</u> 21 to 30	<u>6.7 to 14</u> 14 to 20
	Sugar beet root maggot	10.5 to 21	6.7 to 14	Apply granules in a 2 to 4 inch band over seed row and immediately work into the soil or cover with soil. OR Where furrow irrigation is employed for seed germination, drill granules 2 inches deep and 2 inches from seed row on water furrow side. For the 10.5 lbs. rate, apply granules in a 1 to 2 inch band in front of the press wheel as the furrow is closing.
At-planting plus to postemergence (split applications). Do not make any post-emergence application if 40.5 to 49.5 lbs/acre were applied at planting or 1 week before planting. Do not make more than 1 at-planting application and 2 postemergence applications per crop.	Nematodes	21 at-planting and at postemergence	14 at-planting and at postemergence	AT PLANTING: Apply granules in a 4 6-inch band and immediately work into the soil or cover with soil to a depth of 2 to 4 inches. Plant seed in or above treated zone. OR Drill granules 1.5 to 3 inches to one side of seed row and 2 to 4 inches deep. POSTEMERGENCE: Side-dress granules 4 to 8 inches to one side of plant row and 3 to 6 inches deep (furrow depth), and 40 to 60 days after planting.

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Crop & Time Of Application	Pests Controlled	Pounds/Acre	Ounces/1000 Feet of Row	Recommended Application
SUGAR BEETS (cont.) Postemergence (If at-planting, plus post-emergence applications are made, do not exceed a total of 60 lbs per acre.)	Sugar beet root maggot	10.5 to 21	6.7 to 14	Apply granules to both sides of plant row and immediately work into the soil.
	Aphids Leafminers, Leafhoppers	10.5 to 21	6.7 to 14	Side dress granules 4 to 8 inches to one side of plant row and 2 to 6 inches deep. A repeat application may be required for continued protection against virus vectors (aphids, leafhoppers).
	Nematodes	21 to 30	14 to 20	
SOYBEANS At-planting	Mexican bean beetle Thrips Suppression of three cornered alfalfa hopper	<u>7.5 to 15</u> (Based on 36 inch row spacing)	<u>30" to 48" row spacing</u> 8 to 16.5	Drill granules 2 to 3 inches below seed line. OR Two to 3 inches to the side of the seed row and 2 to 3 inches deep. Granules can be applied in seed furrow if rate does not exceed 7.5 lbs. per acre.
BEANS (Dried only) At-Planting	Seedcorn maggot	<u>5 to 7.5</u> (Based on 36 inch row spacing) (Michigan and New York Only)	<u>22" to 48" row spacing</u> 6 to 8	Apply granules in seed furrow and cover with soil.
	Aphids	<u>7.5 to 10.5</u> (Based on 36 inch row spacing)	8 to 11	Drill 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 lbs. per acre.
	Leafhoppers Mexican bean beetle Mites	<u>10 to 21</u> (Based on 36 inch row spacing)	11 to 22.5	
	Nematodes	<u>10 to 21</u> (Based on 36 inch row spacing)	11 to 22.5	Apply granules in a 6-inch band and immediately work into the soil or cover with soil. Plant seed in treated zone. Where furrow irrigation is employed soon after planting, drill granules 3 to 4 inches deep and 3 inches from seed row on water furrow side.

Crop & Time Of Application	Pests Controlled	Pounds/Acre	Ounces/1000 Feet of Row	Recommended Application
SWEET POTATOES At-planting	Nematodes	15 to 30 (Based on 48 inch row spacing)	22.5 to 45	Apply granules in a 12-inch band in opened row. Cover immediately with soil by hilling up 8 to 10 inches. Plant in center of treated zone.
SUGARCANE At-planting	Nematodes	21 to 30 (Louisiana Only)	60" row spacing 39 to 55.5 Only)	Apply granules in open row on top of newly planted cane and cover immediately with at least 6 inches of soil.
PECANS (Southeast Only) Producing trees During period from bud break to nut set, or about April 15 to May 15.	Aphids, Mites	50 (Florida Only) 50 to 100 (Except Florida) 33 (Florida Only)	Not Applicable	Apply as a 4 to 6-foot band along dripline on both sides of tree row by spreading granules uniformly and immediately working into soil, OR By shanking 2-3 inches into soil on 12 inch centers. In Florida, apply between January 1 and April 30 only.
One to two weeks before bud break.	Suppression of pecan leaf phylloxera			
<u>Newly transplanted trees</u> (1-5 years old) During period of bud break, or about April 15 to May 15 (except Florida)	Aphids Mites	Dosage Ounces TEMIK® 10G/Tree 7.5 to 30	Not Applicable	Apply as a 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 In Florida, do not exceed 33 lbs/A and apply between January 1 and April 30 only.
One to two weeks before bud break.	Bud moth Suppression of pecan leaf phylloxera			

SEE PREHARVEST AND GRAZING LIMITATIONS

PLANT GROWTH STIMULATION: In the absence of recognizable target pests and under certain growing conditions, stimulation of plant growth by TEMIK® aldicarb on certain crops has been demonstrated under laboratory, greenhouse, and field conditions. Plants may be visibly taller, greener, and denser. Faster grow-off and an increase in fruiting rate and size often are results of the growth enhancement by TEMIK® aldicarb. However, such effects do not occur with all crops or under all conditions. Therefore, this product should not be used solely as a plant growth regulator, and its effect as one, should be considered a side benefit which may or may not occur as a consequence of its use.

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TEMIK® BRAND 10G (GYPSUM) ALDICARB PESTICIDE CALIBRATION GUIDE

APPROXIMATE APPLICATOR SETTINGS* FOR TEMIK® BRAND 10G ALDICARB PESTICIDE (GYPSUM) AT 4, 5 & 6 MPH

NOTE: This calibration chart is applicable only to TEMIK® brand 10G Aldicarb Pesticide in this container which is formulated for use on a gypsum carrier. All settings are APPROXIMATIONS and must be confirmed by using a calibration tube (See Calibration Guide provided with tube). Calibration tubes are available from your TEMIK® brand 10G Aldicarb supplier.

TYPE OF GRANULAR APPLICATOR

POUNDS TEMIK® 10G PER ACRE FOR VARIOUS ROW SPACINGS

ROW SPACING					GANDY GAUGE SETTING			JOHN DEERE (7100) SETTING			NOBLE E-Z FLOW GAUGE SETTING			CLAMPCO 3/8" FEEDER DIAL RPM
					MPH			MPH			MPH			MPH
22"	34"	36"	40"	48"	4	5	6	4	5	6	4	5	6	5
1.8	1.2	1.1	1	.8	7	8	9	3**	3**	4**	2	2	3	3
3.6	2.4	2.2	2	1.7	10	11	12	4**	5**	6**	3	4	5	6
5.5	3.5	3.3	3	2.5	12	13	14	6**	7**	8	5	6	7	8
7.3	4.7	4.4	4	3.3	13	15	16	7**	9	10	6	7	8	11
9.1	5.9	5.5	5	4.2	14	16	18	9	11	13	7	9	10	14
10.9	7.1	6.7	6	5.0	16	18	19	11	13	15	8	10	12	16
12.7	8.2	7.8	7	5.8	17	19	21	12	15	18	9	11	13	18
14.5	9.4	8.9	8	6.7	18	20	22	14	17	20	10	12	14	21
16.4	10.6	10.0	9	7.5	19	21	23	16	19	23	11	13	15	23
18.2	11.8	11.1	10	8.3	20	22	24	17	21	25	12	15	16	26
21.8	14.1	13.3	12	10.0	22	24	26	20	25	28	14	16	19	31
25.5	16.5	15.6	14	11.7	23	26	29	24	28	30	16	18	21	37
29.1	18.8	17.8	16	13.3	25	28	31	26	29	32	17	20	23	42
32.7	21.2	20.0	18	15.0	26	30	33	28	31	33	19	21	24	48
36.4	23.5	22.2	20	16.7	28	31	34	30	32	35	20	23	26	54
43.6	28.2	26.7	24	20.0	31	34	37	32	34	37	22	26	29	65
49.1	31.8	30.0	27	22.5	33	36	40	33	36	38	24	28	31	74

*All settings for one hopper box outlet per row

**For John Deere gauge setting below 8 there will be great variations in flow rate. A gauge setting of 6 is the lowest recommended setting.

TEMIK® BRAND 10G (CORNCOB) ALDICARB PESTICIDE CALIBRATION GUIDE

APPROXIMATE APPLICATOR SETTINGS* FOR TEMIK® BRAND 10G ALDICARB PESTICIDE (CORNCOB) AT 4, 5 & 6 MPH

NOTE: This calibration chart is applicable only to TEMIK® brand 10G Aldicarb Pesticide in this container which is formulated for use on a corncob carrier. All rates are APPROXIMATIONS must be confirmed by using a calibration tube (See Calibration Guide provided with tube). Calibration tubes are available from your TEMIK® brand 10G Aldicarb supplier.

TYPE OF GRANULAR APPLICATOR

POUNDS TEMIK® 10G PER ACRE FOR VARIOUS ROW SPACINGS

ROW SPACING					GANDY GAUGE SETTING			JOHN DEERE MAX EMERGE GAUGE SETTING**			NOBLE E-Z FLOW GAUGE SETTING			CLAMPCO 1/2" FEEDER DIAL RPM
					MPH			MPH			MPH			MPH
22"	34"	36"	40"	48"	4	5	6	4	5	6	4	5	6	5
1.8	1.2	1.1	1	.8	14	16	17	8	9	10	5	6	7	4
3.6	2.4	2.2	2	1.7	19	21	22	11	13	14	10	11	13	8
5.5	3.5	3.3	3	2.5	22	24	27	14	16	18	13	15	17	11
7.3	4.7	4.4	4	3.3	25	28	30	17	19	21	16	18	21	15
9.1	5.9	5.5	5	4.2	28	31	33	19	21	23	18	22	24	19
10.9	7.1	6.7	6	5.0	30	33	35	21	23	25	21	24	26	22
12.7	8.2	7.8	7	5.8	32	35	37	22	25	26	23	26	29	26
14.5	9.4	8.9	8	6.7	34	37	39	24	26	28	25	28	31	30
16.4	10.6	10.0	9	7.5	35	38	41	25	27	29	26	30	33	33
18.2	11.8	11.1	10	8.3	37	40	43	26	28	30	28	31	34	37
21.8	14.1	13.3	12	10.0	39	43	47	28	30	33	31	34	37	44
25.5	16.5	15.6	14	11.7	42	46	50	29	32	35	33	36	40	52
29.1	18.8	17.8	16	13.3	44	49	54	31	34	37	35	39	44	59
32.7	21.2	20.0	18	15.0	47	52	59	33	36	38	37	42		67
36.4	23.5	22.2	20	16.7	49	56	66	34	37	40	39	45		76
43.6	28.2	26.7	24	20.0	54	66		37	40	44	44			95
49.1	31.8	30.0	27	22.5	59			38	42					

*All settings for one hopper box outlet per row

**Odd Numbered Housing

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions; and (c) that the directions, warnings and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants, and of residues on food crops, and upon reports of field experience. Tests have not been made on all varieties or in all states or under all conditions. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE, ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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