

File 12 264-322

4

RESTRICTED USE PESTICIDE

FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.

TEMIK® brand 10G

Aldicarb Pesticide

ACCEPTED
APR 20 1989
for the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 64-322

FOR CONTROL OF INSECTS, MITES AND NEMATODES ON COMMERCIALY GROWN ORNAMENTALS

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

INERT INGREDIENTS: 90%

EPA Reg. No. 264-322

EPA Est. No. 10352-GA-01

KEEP OUT OF REACH OF CHILDREN

DANGER POISON

PELIGRO

PRECAUCION AL USUARIO: SI USTED NO LEE INGLES NO USE ESTE PRODUCTO HASTA QUE LA INFORMACION EN LA ETIQUETA LE HAYA SIDO EXPLICADA AMPLIAMENTE.

TRANSLATION TO THE USER: IF YOU CANNOT READ ENGLISH DO NOT USE THIS PRODUCT UNTIL THE LABEL HAS BEEN FULLY EXPLAINED TO YOU.

STATEMENT OF PRACTICAL TREATMENT

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.

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

ON SKIN: Wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse.

IF INHALED: Call a physician and follow General advice.

For EMERGENCY Information ONLY Call 24 Hours A Day 1-800-334-7577
For PRODUCT USE Information Call 1-800-334-9745

Active ingredient protected by U. S. Patent No. 3,217,037.

RHONE-POULENC AG COMPANY
P.O. Box 12014, 2 T.W. Alexander Drive
Research Triangle Park, NC 27709

TEMIK® is the registered trademark of RHONE-POULENC NEDERLAND B.V. for aldicarb pesticide.

MADE IN U.S.A.

10/8

7

PRECAUTIONARY STATEMENTS

DANGER

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

FATAL IF SWALLOWED. May be fatal or harmful by skin or eye contact or by breathing dust. Causes cholinesterase inhibition. Rapidly absorbed through skin or eyes. Do not get on skin or in eyes. Do not breathe dust. Keep away from domestic animals.

Wear long-sleeved clothing, full-length trousers, head covering, and protective gloves when handling. Wash hands and face before eating, drinking, or using tobacco. Bathe at the end of work day, washing entire body and hair with soap and water. Change clothing daily. Wash contaminated clothing in strong washing soda solution and rinse thoroughly before reusing.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

- | | |
|--------------------|---------------------|
| Salivation | Muscle Tremors |
| Excessive Sweating | Nausea |
| Diarrhea | Watery Eyes |
| Blurred Vision | Difficult Breathing |
| Abdominal Cramps | Vomiting |
| Weakness | Pinpoint Eye Pupils |
| Headache | |

SEVERE CASES, CONVULSIONS, UNCONSCIOUSNESS AND RESPIRATORY FAILURE MAY OCCUR.

ANTIDOTE STATEMENT

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

STATEMENT OF PRACTICAL TREATMENT

GENERAL

Contact a physician immediately in all cases of suspected poisoning. Illness may be produced rapidly following overexposure to TEMIK® brand aldicarb. If breathing stops, establish an airway, start artificial respiration, and provide oxygen. Make certain to remove all sources of continuing contamination. Remove clothing and wash skin and hair immediately with large amounts of soap and water. 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.

NOTE TO PHYSICIAN

TEMIK® aldicarb is a methyl carbamate pesticide, 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.

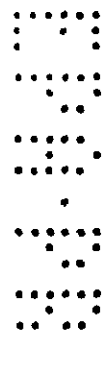
Gastric lavage may be used if this product has been swallowed. TEMIK® brand aldicarb poisoning may occur rapidly after ingestion and prompt removal of stomach contents is indicated.

Specific treatment consists of the administration of parenteral atropine sulfate. Caution should be exercised to prevent overatropinization. Mild cases may be given 1 to 2 mg intramuscularly 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 like 2-PAM (pyridine-2-aldoxime methiodide) are NOT recommended unless organophosphate intoxication is also suggested.

To aid in confirmation of a diagnosis, urine samples should 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.



2/25

**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 30 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 this 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 and other wildlife. Birds feeding on treated areas may be killed. Cover or incorporate granules in spill areas. Runoff 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, Fluvio, and Victoria.

Prior to making outdoor 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.

GENERAL INFORMATION AND PRECAUTIONS

FOR USE ONLY BY TRAINED PERSONNEL IN COMMERCIAL PRODUCTION OF ORNAMENTAL PLANTS. READ ENTIRE LABEL BEFORE USING.

GENERAL INFORMATION

TEMIK® 10G Aldicarb Pesticide is a granular product that provides systemic control of certain insects, mites, and nematodes. When applied to soil, the active ingredient is rapidly absorbed by root systems and translocated throughout all parts of the plant. To assure effectiveness, application to very dry soil must be followed by irrigation or rainfall. Residual activity varies with dosage and pests involved, but often lasts more than 6 weeks.

TEMIK® brand 10G Aldicarb Pesticide has been used experimentally with excellent results against many species of aphids, leafhoppers, leaf miners, spider mites, thrips, whiteflies, and parasitic nematodes. Control outlasts many of the other systemic insecticides used in ornamental plant culture.

For most effective results, irrigate immediately after application. Do not over-irrigate container grown or bedded ornamentals. Do not exceed the water holding capacity of the soil or potting media. Water running from treated pots or beds may contain aldicarb residues. See Environmental Hazards Statement.

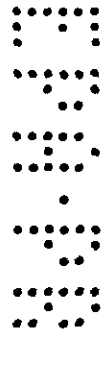
Since the amount of foliage varies with plant species, age and container size or growing area, it is recommended that the maximum rate of TEMIK® brand 10G Aldicarb Pesticide be used when excess foliage or plant growth is to be treated, regardless of pests involved. On large trees or plants with woody stems, control is delayed for 2-3 weeks due to slower systemic action. Maximum efficacy is obtained when TEMIK® brand 10G pesticide is applied during active plant growth.

To prevent root injury, distribute granules evenly over the soil surface of plant containers with a suitable mechanical applicator or shaker jar.

GENERAL CAUTIONS

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

Calibrate and adjust application equipment to insure proper rate and accurate placement. Do not exceed recommended rates as plant injury may result. Do not mix TEMIK® brand 10G Aldicarb Pesticide with potting soil; use only on standing plants. Do not apply to open blooms. For outdoor applications, granules should be worked into the soil to a depth of at least 2 inches or covered with soil to a depth of at least 2 inches to provide maximum performance and to minimize hazard to birds. Deep disc any spills of granules at row ends immediately to prevent birds from feeding on exposed granules.



4

Clean application equipment thoroughly after use. See Storage and Disposal instructions for disposal of excess product, spillage, and empty containers.

SPECIAL PRECAUTIONS FOR HUMAN SAFETY

- Do not store or use in the home or home garden.
- "POISON" signs should be posted on treated greenhouse benches or beds for a period of 4 weeks after treatment with TEMIK® brand 10G Aldicarb Pesticide. Keep unauthorized personnel and pets out of treated areas.
- Apply only with properly calibrated application equipment. Do not use hand to apply.
- Do not use applicators that will indiscriminately scatter or grind the granules. Applications that scatter granules may result in direct product exposure to applicators or treatment of non-target areas. Applicators that grind the granules may cause inhalation hazard. Use of a respirator mask and rubber gloves is recommended while filling and cleaning application equipment.
- Avoid contact with granules. Always wear long-sleeved protective clothing during application. Rubber gloves should be worn when using hand-held application devices. When using in greenhouses or under wet conditions, waterproof boots should be worn. Do not allow granules to get into boots, gloves, and hair, or to become entrapped in clothing.
- Do not apply to wet plant foliage as plant injury may result. In addition granules adhering to wet foliage may be hazardous to humans.
- Do not premix granules with water as the resultant solution may be seriously hazardous.
- Avoid contact with treated plants or soil. Application of too much water will cause run-off that may contaminate walkways and work areas. If run-off does occur avoid contact. If treated pots or plants must be handled, use rubber gloves and other protective clothing.
- Do not treat overhead hanging baskets. Treatment in this manner may result in direct product exposure during application or to leachate during watering.
- Do not market treated potted plants or plant soil media (e.g., potted plants, balled plants) within 4 weeks after last applications as product residues remaining in treated soil may be hazardous.

To avoid illegal food residues:

- Do not use plant parts for food or feed purposes.
- Do not plant any crop not listed on this label in soil treated with TEMIK® 10G Aldicarb Pesticide within six months after last application.
- Do not treat nursery trees which will bear edible fruit within 2 years of treatment with TEMIK® brand 10G Aldicarb Pesticide.
- 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 in Del Norte or Humboldt counties in California; Nassau or Suffolk counties in New York; or in Curry County, Oregon.

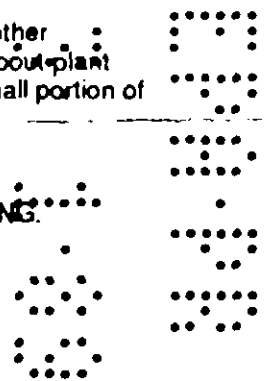
COMPATIBILITY

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. If uncertain about plant tolerance when applying TEMIK® brand 10G in conjunction with other pesticides, it is recommended that only a small portion of the crop be treated to determine tolerance to the combination.

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

FOR USE ONLY BY TRAINED PERSONNEL IN COMMERCIAL PRODUCTION OF ORNAMENTAL PLANTS.



3.8

5

GENERAL WORKER PROTECTION STATEMENTS

Do not apply this product in such a manner as to directly expose workers or other persons. The area being treated must be vacated by unprotected persons.

Do not enter treated area without protective footwear. Persons coming in direct contact with wet treated soil after the initial irrigation or rainfall following treatment shall wear coveralls, rubber or neoprene boots, and gloves. Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult you 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. Advise workers to stay out of fields during application. Regular long-sleeved shirt, full-length trousers, and head covering should be worn when working in treated fields. See PRECAUTIONARY STATEMENT, STATEMENT OF PRACTICAL TREATMENT, and NOTE TO PHYSICIAN for information on accidental exposures. 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: appropriate signal word (DANGER-POISON), area treated with TEMIK® brand 10G Aldicarb Pesticide, date of application, appropriate protective clothing, and re-entry requirements.

STORAGE AND DISPOSAL

STORAGE

Store unused TEMIK® brand 10G Aldicarb Pesticide in original container only, in well-ventilated, clean, dry, locked area out of reach of children and animals. Do not store in areas where temperature averages 115°F or greater. Do not store in or around a home or home garden.

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 eyes. Do not breathe dust. Sweep up and bury any small spills or excess TEMIK® pesticide at least 18 inches deep in soil isolated from water supplies and food crops.

PESTICIDE DISPOSAL

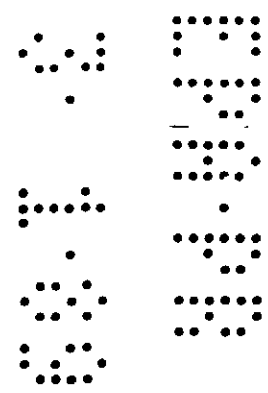
Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide is a violation of Federal Law. If 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 bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by open burning. If the bag is burned, stay away from and do not breathe or contact smoke.

In case of a transportation or warehouse emergency involving a spill, fire, or exposure, call 1-800-334-7577 Twenty-Four Hours A Day In The U.S.A.



52/8

6

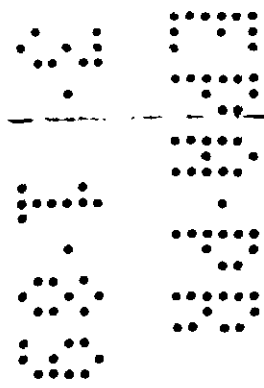
DIRECTIONS FOR USE AND RECOMMENDED APPLICATIONS

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Dosage TEMIK® 10G

For Use On Potted Plants Or Plant Beds In Commercial Greenhouses.

Crop	Pest Controlled	Pounds /Acre	Oz/1000 Sq. Ft. of Plant Bed or Closely Packed Pots	Time of Application	Recommended Application
CHRYSANTHEMUM	Aphids, Leafminers, Thrips	50 to 75	20 to 30	3 to 5 weeks after transplanting cuttings or just after pinching. Repeat in 6 to 8 weeks, if needed.	If beds are covered with leaf or compost type mulch, remove mulch or place granules beneath mulch. Work into soil and water thoroughly. Use the high rate on heavy organic or clay soils or if pest populations become severe. Apply granules evenly around base of plants. Wash off granules adhering to foliage.
	Spider mite, Whiteflies	75 to 100	30 to 40		
ORCHIDS (Cymbidiums)	Spider mites	75 to 100	30 to 40	Apply just prior to emergence of flower spikes. Repeat if needed.	
EASTER LILIES	Aphids	50 to 75	20 to 30	After plants are established and as they appear. Repeat in 6 to 8 weeks, if needed.	
POINSETTIA	Spider mites, Mealybugs, Whiteflies	75 to 100	30 to 40		
GERBERA	Aphids, Leafminers	50 to 75	20 to 30		
	Spider mites, Whiteflies	75 to 100	30 to 40		
CARNATIONS, ROSES	Aphids	50 to 75	20 to 30		On old well-established roses, use maximum rate for mite control.
SNAPDRAGONS	Spider mites	75 to 100	30 to 40		



8

1

FOR USE ON COMMERCIAL FIELD GROWN AND NURSERY PLANTINGS

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 splits at row ends immediately to prevent birds from feeding on granules.

Dosage TEMIK® 10G

Crop	Pest Controlled	Pounds/1000 Linear Row Feet (42-Inch Row Spacing)		Time of Application	Recommended Application
		Pounds/Acre	Row Spacing		
ROSES	Spider mites	70 to 100	5 to 8	As pests begin to appear. Repeat if need.	Apply granules as sidedress to both sides of plant or row. Work into soil at least 2 to 4 inches deep.
DAHLIAS	Aphids, Leafhoppers, Leafminers, Spider mites	50 to 80	4 to 6		
LILIES, BULBS	Nematodes (root lesion)	50 to 70 (on 40" row spacing)	4 to 6 (or 50 to 70 lbs/ 12,000 linear feet of row)	At planting time.	Apply in furrow with bulbet. Cover with soil.
BIRCH & HOLLY	Aphids, Leafminers	50 to 100	4.5 to 9 (or 1 to 2 ounces/ one inch diameter of trunk at soil level)	After spring growth begins and prior to occurrence of leaf-miner activity.	Apply granules as sidedress 3 to 4 inches deep and 10 to 12 inches to one or both sides of row. Cover with soil.

In Florida, nursery uses of greater than 50 pounds of TEMIK® 10G per acre are limited to containerized plants only. Outdoor applications to commercial field grown ornamentals and nursery plants shall not exceed 50 pounds of TEMIK® 10G per acre annually.

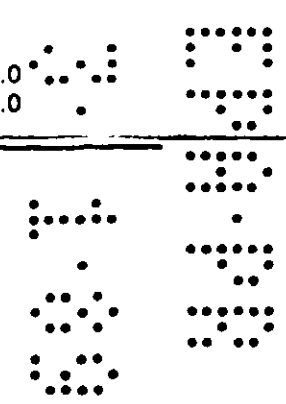
CALIBRATION AND DOSAGE CONVERSION INFORMATION FOR ORNAMENTALS AND NURSERY STOCK

Calibrate all mechanical devices for delivery of the required amount of TEMIK® brand 10G Aldicarb Pesticide. Refer to charts I and II for approximate dosage conversion.

(Chart I. Amount of TEMIK® brand 10G Aldicarb Pesticide to be Applied (Beds, Benches, and Row Stock):

Approximate Conversion from Pounds Per Acre	Pounds Per Acre (Broadcast Equivalent)		
	50	75	100
Ounces per 1000 ft. of row*	61	92	122
Ounces per 1000 sq. ft.	18	28	36
Ounces per 100 sq. yd.	16	25	32
Grams per sq. meter	5.0	7.5	10.0
Grams per sq. ft.	0.5	0.75	1.0

* Based on 40-inch row spacings.



7/18

4

Chart II. For Treatment of Individual Pots or Cans:

Pot/Can Size* (Inches Diameter)	Number of Grams TEMIK® 10G Pesticide to Use Per Container for the Equivalent Rate (lbs/Acre)**		
	50	75	100
3	0.025	0.038	0.05
4	0.05	0.075	0.10
5	0.075	0.11	0.15
6	0.1	0.15	0.2
8	0.2	0.3	0.4
10	0.3	0.45	0.6
12	0.5	0.75	1.0

* Based on surface area of pot.

**1/2 teaspoon (level measure) weighs 1.3 gram.

GUIDE FOR APPLICATION TO INDIVIDUAL CONTAINERS

Size	TEMIK® 10G (Approx. wt. in grams)
1/8 teaspoon	0.45*
1/4 teaspoon	0.91*
1/2 teaspoon	1.30*
1 teaspoon	3.20*
2 teaspoons	6.40*
1 tablespoon	9.45*

*These weights apply to common measuring spoons which were filled to the extent where granules did not spill off edges.

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.

THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS, OR CAUTIONS

BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT

10/8