

RESTRICTED USE PESTICIDE

ACUTE TOXICITY and GROUND WATER 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 15G Lock 'n Load[®]

ALDICARB PESTICIDE

CLOSED HANDLING SYSTEM

For Control of Certain Insects, Mites, and Nematodes

ACTIVE INGREDIENT: Aldicarb [2-methyl-2-(methylthio) propionaldehyde O-(methylcarbamoyl)oxime] 15%

INERT INGREDIENTS: 85%

EPA Reg. No. 264-330

EPA Est. No. 264-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 1-866-99BAYER (1-866-992-2937)

FIRST AID

IF SWALLOWED:	<ul style="list-style-type: none">• Immediately call a poison control center or doctor for treatment advice.• Do not induce vomiting unless told to do so by a poison control center or doctor.• Have person sip a glass of water if able to swallow.• Do not give anything by mouth to an unconscious person.
IF IN EYES:	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.• Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice.
IF INHALED:	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.• Call a poison control center or doctor for further treatment advice.

For **MEDICAL** Emergencies Call 24 Hours A Day 1-800-334-7577.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

Aldicarb is a N-methyl carbamate.

GENERAL

Contact a physician immediately in all cases of suspected poisoning. Illness may be produced rapidly following overexposure 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. Remove clothing and wash skin and hair immediately with large amounts of 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.

ANTIDOTE STATEMENT

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

NOTE TO PHYSICIAN: TEMIK® brand aldicarb is a 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 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 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 Bayer CropScience.

Consultation on therapy can be obtained at all hours by calling the Bayer CropScience emergency number: 1-800-334-7577.

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.

Always stand up-wind from hopper when loading.

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 (MSHA/NIOSH D/M approval number prefix TC-21C) or a NIOSH approved respirator with any N, R, P or HE filter.

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. Discard clothing or other absorbent materials that have been heavily contaminated with this product. Do not reuse them.

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

The Lock 'n Load system, when used correctly, qualifies as a closed loading system under the WPS. Mixer/loaders correctly loading this product using the Lock 'n Load system are permitted to wear long-sleeved shirt and long pants, shoes and socks, a chemical-resistant apron, and waterproof gloves.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown. The PPE required for applicators and other handlers must be worn when performing all pesticide handling tasks other than loading and application, such as spill clean-up and equipment maintenance, cleaning and repair.

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.

Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Aldicarb residues may move into shallow ground water under certain conditions. The appended Environmental Precautions Booklet should be read and understood prior to making applications. If there are any questions, contact Bayer CropScience at 1-866-99BAYER (1-866-992-2937).

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 Bayer CropScience at 1-866-99BAYER (1-866-992-2937).

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, to areas where surface water is present or to intertidal areas below the mean high water mark. 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. This 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 this 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. PPE required for early entry to treated areas that is permitted under the Worker Protections Standard and that involves contact with anything that has been treated, such as plants, soil, or water is coveralls over short-sleeved shirt and short 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 15G Lock 'n Load® 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.

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.

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 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

Return empty Lock 'n Load containers to point of purchase.

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

READ ENTIRE LABEL BEFORE USING THIS PRODUCT.

TEMIK® brand 15G Lock 'n Load® 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; however, if irrigation is necessary care should be taken not to over irrigate to reduce the potential for residues leaching to ground water. 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 15G Lock 'n Load Aldicarb Pesticide.

GENERAL CAUTIONS

Use TEMIK® brand 15G Lock 'n Load Aldicarb Pesticide only in accordance with label directions, warnings, and cautions. **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 higher rates 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.

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 15G Lock 'n Load 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.

GENERAL GROUND WATER LIMITATIONS

- Observe Environmental Hazard precautions regarding Decomposition and Movement in Soil, and carefully follow Directions For Use.
- In fields having soils with less than 15% field moisture holding capacity, special care must be taken not to over-irrigate, since substantial over-irrigation promotes the leaching of chemicals.
- Do not apply within 50 feet of any drinking water well with the exception of Florida where more restrictive setbacks apply.
- 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 the states of Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont or Wisconsin, or in Del Norte or Humboldt counties in California or in Curry County, Oregon.
- For State Specific Ground Water Limitations, see the *Environmental Precautions and Soil Type Restriction Tables*.
- Apply only between March 1 and September 1 when used in California.

ROTATIONAL CROPS RESTRICTION

Do not plant any crop not listed on this label in soil treated with TEMIK® brand 15G Lock 'n Load® Aldicarb Pesticide within 10 months after the last application with the following exceptions:

Six-month plantback restriction

- Do not plant wheat or barley within 6 months after last application.
- Do not plant bulb crops (such as onions or garlic) within 6 months after the last application.
- Do not plant brassica crops (such as broccoli or cabbage) within 6 months after the last application.

Eight-month plantback restriction

- Do not plant corn within 8 months of last application.
- Do not plant melons within 8 months after last application.
- Do not plant other cucurbits (such as cucumbers and squash) within 8 months after last application.
- Do not plant fruiting vegetables (such as tomatoes or eggplant) within 8 months after the last application.

MEAT AND MILK

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

COMPATIBILITY

Pesticidal activity of TEMIK® brand 15G Lock 'n Load® 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 of rates are recommended, use the higher rate if pest infestations are expected to be severe.

COTTON

Crop & Time Of Application	Pests Controlled	Pounds/Acre	Ounces/1000 Feet of Row	Recommended Application
COTTON At planting	Aphids, Thrips	3.5 to 5 (Except Texas, Oklahoma and New Mexico)	<u>40" row spacing</u> 4.5 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.
		2 to 5 (Texas, Oklahoma, and New Mexico Only)	2.5 to 6	
	Fleahoppers, Leafminers, Mites, Overwintering boll weevil (adults feeding on foliage), Plant bugs, including Lygus	4 to 7	5 to 8.5	
	Nematodes (Suppression)	4 to 7 (California Only)	5 to 8.5	
	Nematodes	3.5 to 10 (Except Arizona and California)	4.5 to 12	
	Nematodes	14 to 27 (Arizona Only)	17 to 33	
At first squaring	Leafhoppers, Fleahoppers, Nematodes (suppression)	7 to 14	8.5 to 17	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, Nematodes (suppression)	14 to 20 (Except California)	17 to 24.5	
	Mites, Plant bugs, including Lygus, Nematodes	14 (California Only)	17	
From squaring through early bloom	Cotton leaf perforator, Nematodes (suppression)	14	17	Apply before populations reach an economic threshold. Apply for control of moderate populations. Only suppression may be expected for heavy populations of sweet potato whitefly, especially the poinsettia (B) strain (silver leaf).
	Nematodes	14 (California Only)	17	
	Whiteflies	14 to 20 (Except California) 14 (California Only)	17 to 24.5 17	

RESTRICTIONS AND PRECAUTIONS FOR COTTON

- Do not exceed a total of 21 pounds per acre per season in California or 33 pounds per acre per season in other states for all applications to cotton.
- Apply only between March 1 and September 1 when used in California.
- 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.
- Treatments in excess of 7 pounds per acre made directly in the seed furrow may delay plant emergence and reduce plant stand.

DRY BEANS

Crop & Time Of Application	Pests Controlled	Pounds/Acre	Ounces/1000 Feet of Row	Recommended Application
DRY BEANS At planting	Seedcorn maggot	3.5 to 5 (Michigan Only)	22" to 48" <u>row spacing</u> 4.0 to 5.5	Apply granules in seed furrow and cover with soil.
	Aphids	5 to 7	5.5 to 7.5	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
	Leafhoppers Mexican bean beetle Mites	7 to 14 (Except California)	7.5 to 15	Granules can be placed in seed furrow if the rate does not exceed 5 pounds per acre.
		7 (California Only)	7.5	
	Nematodes	7 to 14 (Except California)	7.5 to 15	Apply granules in a 6-inch band and immediately work into the soil or cover with soil. Plant seed into treated zone.
		7 (California Only)	7.5	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.

RESTRICTIONS AND PRECAUTIONS FOR DRY BEANS

- Apply only between March 1 and September 1 when used in California.
- 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 allow livestock to graze in treated areas before harvest.
- Do not use green pods as food for humans.
- Do not exceed a total of 7 pounds per acre per season in California and 14 pounds per acre per season in other states.
- Treatments in excess of 5 pounds per acre made directly to the seed furrow may delay plant emergence and reduce plant stand.

PEANUTS

Crop & Time Of Application	Pests Controlled	Pounds/Acre	Ounces/1000 Feet of Row	Recommended Application
PEANUTS At planting	Thrips	7 to 14	<u>36" row spacing</u> 7.5 to 15	Apply granules in seed furrow and cover with soil. In Southwest use high rate only.
	Nematodes	14 to 20	15 to 22	Apply granules in a 6 to 12 inch band and work into the soil or cover with soil to a depth of 2 to 4 inches. Plant seed into treated zone.

RESTRICTIONS AND PRECAUTIONS FOR 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 allow livestock to graze in treated areas before harvest.
- Do not feed hay or vines to livestock.
- Do not exceed a total of 20 pounds per acre.

PECANS

Crop & Time Of Application	Pests Controlled	Pounds/Acre	Ounces/1000 Feet of Row	Recommended Application
PECANS (Southeast U.S. and Arizona) Producing Trees During period from bud break to nut set	Aphids	17 to 33 (California Only) 33 to 47 (Arizona 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.
	Aphids Mites	33 to 67 (except California, Florida and Arizona)		
	Suppression of Pecan leaf phylloxera	33 (Florida only)		
One to two weeks before bud break	Suppression of Pecan leaf phylloxera	33 (Florida only)		
Newly Transplanted Trees (1-5 years old) During period of bud break	Aphids Mites	Dosage Ounces <u>TEMIK®</u> <u>15G/Tree</u> 5 to 20	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.
	One to two weeks before bud break	Bud moth Suppression of Pecan leaf phylloxera		

RESTRICTIONS AND PRECAUTIONS FOR 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.
- In California and Florida do not exceed a total of 33 pounds per acre.
- In Arizona do not exceed a total of 47 pounds per acre.
- In other states do not exceed a total of 67 pounds per acre.

POTATOES

Crop & Time Of Application	Pests Controlled	Pounds/Acre	Ounces/1000 Feet of Row	Recommended Application
POTATOES At planting or within one week prior to planting. Do not apply after planting. FOR USE ONLY IN: Florida and the Pacific Northwest ¹ (Idaho, Montana, Oregon and Washington) and COUNTIES IN THE FOLLOWING STATES: UTAH: Beaver, Boxelder, Cache, Carbon, Davis, Duchesne, Iron, Millard, Plute, Salt Lake, Sanpete, Sevier, Uintah, Utah, Wasatch, Washington and Weber NEVADA: Humboldt, Pershing	Flea Beetles	20	21	Apply granules with the seed pieces in the planting furrow and cover with soil.
	Aphids Colorado potato beetle Leafhoppers	14 to 20	14.5 to 21	
	Nematodes (Except Golden Nematode and Root-knot nematodes). Verticillium wilt has been suppressed where nematode populations have been controlled. Root-knot nematodes are suppressed. Despite suppression of root-knot nematode, tuber quality may not be adequately protected. If root-knot nematode is a severe economic pest, the use of other control measures should also be employed.	20	21	Apply granules with the seed pieces in the planting furrow and cover with soil <p style="text-align: center;">OR</p> apply granules in a 6-inch band and work into the soil or cover with soil into a depth of 4 inches. Plant seed pieces into the treated zone.

Required Application Equipment

All applications must be made with Positive Displacement Applicators such as Horstine Microband® or Gandy PDM® or with other Positive Displacement Applicators approved under the Bayer CropScience Equipment Certification Program. The end user (i.e., applicator) must be certified through the Bayer CropScience Stewardship program.

(1) See General Use Restrictions for ground water protection.

RESTRICTIONS AND PRECAUTIONS FOR POTATOES

- Do not harvest within 100 days of an application for potatoes grown in Florida and within 150 days of an application for potatoes grown in the Pacific Northwest (Idaho, Montana, Oregon, Washington and certain counties in Nevada and Utah).
- Do not apply after planting.
- Do not make more than one application per crop. If replanting is necessary, do not retreat the second crop with TEMIK®.
- Do not allow livestock to graze in treated areas before harvest.
- Do not exceed 20 pounds per acre.
- In the Pacific Northwest (Idaho, Montana, Oregon and Washington as well as certain counties in Utah and Nevada), do not use furrow irrigation on TEMIK® treated potatoes.
- Do not use this product on potatoes in any state other than those immediately listed above.

SORGHUM

Crop & Time Of Application	Pests Controlled	Pounds/Acre	Ounces/1000 Feet of Row	Recommended Application
GRAIN SORGHUM At planting	Nematodes	7 (Except Texas and Oklahoma)	<u>36" row spacing</u> 7.5	Apply granules in seed furrow and cover with soil.
		3.5 to 7 (Texas and Oklahoma Only)	4 to 7.5	
	Greenbug Chinch Bug	7	<u>36" row spacing</u> 7.5	

RESTRICTIONS AND PRECAUTIONS FOR 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.
- Do not exceed a total of 7 pounds per acre.
- Do not allow livestock to graze in treated areas before harvest.

SOYBEANS

Crop & Time Of Application	Pests Controlled	Pounds/Acre	Ounces/1000 Feet of Row	Recommended Application
SOYBEANS At planting	Mexican bean beetle Thrips Suppression of three cornered alfalfa hopper	5 to 10	<u>30" to 48" row spacing</u> 5.5 to 11	Drill granules 2 to 3 inches below seed line OR 2 to 3 inches to the side of the seed row and 2 to 3 inches deep. Granules can be applied to seed furrow if rate does not exceed 5 pounds per acre.
	Nematodes	10 to 20	11 to 22	Apply granules in a 6 to 8-inch band and immediately work into the soil or cover with soil. Plant seed into treated zone.

RESTRICTIONS AND PRECAUTIONS FOR SOYBEANS

- Do not make more than one application per crop.
- Do not harvest within 90 days of application.
- Do not allow livestock to graze in treated areas before harvest.
- Do not feed green forage, hay, or straw to livestock.
- Do not exceed a total of 20 pounds per acre.
- Treatments in excess of 5 pounds per acre made directly to the seed furrow may delay plant emergence and reduce plant stand.

SUGAR BEETS

Crop & Time Of Application	Pests Controlled	Pounds/Acre	Ounces/1000 Feet of Row	Recommended Application
SUGAR BEETS At planting or within one week before planting.	Nematodes	27 to 33 (Except California)	<u>22" row spacing</u> 18 to 22	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 into 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.
		14 (California Only)	9.5	
At planting	Aphids	7 to 14	4.5 to 9.5	Drill granules 1 to 3 inches below seedline. Granules can be placed in seed furrow if rate does not exceed 7 pounds per acre. Repeat applications will be required for continued protection against virus vectors (aphids and leafhoppers)
	Leafminers Leafhoppers	14 to 20 (Except California)	9.5 to 13.5	
	Sugar beet root maggot	7 to 14	4.5 to 9.5	
14 (California Only)		9.5		
At planting plus postemergence (split applications)	Nematodes	14 to 20 at planting and 14 to 20 at postemergence (Except California)	9.5 to 13.5 at planting and 9.5 to 13.5 at postemergence	AT PLANTING: 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 into 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. POSTEMERGENCE: Apply granules to both sides of plant row and immediately work into the soil or cover with soil to a depth of 2 to 4 inches; OR for furrow irrigation side-dress granules 4 to 8 inches to water furrow side of plant row at furrow depth. Irrigate soon after application. Apply within 60 days after planting.
		14 at planting and 14 at postemergence (California Only)	9.5 at planting and 9.5 at postemergence	

SUGAR BEETS (Continued)

Crop & Time Of Application	Pests Controlled	Pounds/Acre	Ounces/1000 Feet of Row	Recommended Application
Postemergence Do not make any post - emergence application if 27 to 33 lbs./acre were applied at planting or one week before planting. Do not make more than one at planting application and two postemergence applications per crop.	Sugar beet root maggot	7 to 14	4.5 to 9.5	Apply granules to both sides of plant row and immediately work into the soil or cover with soil to a depth of 2 to 4 inches; <p style="text-align: center;">OR</p> for furrow irrigation side-dress granules 4 to 8 inches to water furrow side of plant row at furrow depth. Irrigate soon after application. Apply within 60 days after planting.
	Aphids	7 to 14	4.5 to 9.5	Apply as above. A repeat application may be required for continued protection against virus vectors (aphids, leafhoppers).
	Leafminers Leafhoppers	14 to 20 (Except California)	9.5 to 13.5	Apply within 60 days after planting.
		14 (California Only)	9.5	
	Nematodes	27 (Except California)	18	Apply as above. Apply within 60 days after planting. In California, apply within 30 days after planting.
		14 (California Only)	9.5	

RESTRICTIONS AND PRECAUTIONS FOR SUGAR BEETS

- Apply only between March 1 and September 1 when used in California.
- Do not make more than one at planting application and two postemergence applications per crop.
- 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.
- Do not exceed a total of 28 pounds per acre per season in California and 33 pounds per acre per season in other states for all applications to sugar beets.
- Treatments in excess of 7 pounds per acre made directly in the seed furrow may delay plant emergence and reduce plant stand.

SUGARCANE

Crop & Time Of Application	Pests Controlled	Pounds/Acre	Ounces/1000 Feet of Row	Recommended Application
SUGARCANE At planting	Nematodes	14 to 20	<u>60" row spacing</u> 26 to 37	Apply granules in open row on top of newly planted cane and cover immediately with at least 6 inches of soil.

RESTRICTIONS AND PRECAUTIONS FOR SUGARCANE

- For use in Louisiana only.
- Do not make more than one application per crop.
- Do not harvest within 120 days of application.
- Do not exceed a total of 20 pounds per acre.
- Do not feed cane forage.

SWEET POTATOES

Crop & Time Of Application	Pests Controlled	Pounds/Acre	Ounces/1000 Feet of Row	Recommended Application
SWEET POTATOES At planting	Nematodes	10 to 20 (Except California)	<u>48" row spacing</u> 15 to 30	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. Apply only with positive displacement applicators such as the Horstine Farmery Microband (see calibration chart at end of label), or the Gandy Orbit.
	Nematodes (suppression)	10 to 14 (California Only)		

Required Application Equipment

All applications must be made with Positive Displacement Applicators such as Horstine Microband® or Gandy PDM® or with other Positive Displacement Applicators.

RESTRICTIONS AND PRECAUTIONS FOR 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.
- Do not exceed a total of 20 pounds per acre.

TEMIK® BRAND 15G (GYPSUM) LOCK 'N LOAD ALDICARB PESTICIDE CALIBRATION GUIDE

APPROXIMATE APPLICATOR SETTINGS* FOR TEMIK® BRAND 15G LOCK 'N LOAD® ALDICARB PESTICIDE (GYPSUM) AT 4, 5 & 6 MPH

NOTE: This calibration chart is applicable only to TEMIK® brand 15G Lock 'n Load® Aldicarb Pesticide in this container which is formulated for use on a gypsum carrier. All rates are APPROXIMATIONS and must be confirmed by using a calibration tube (See Calibration Chart provided with tube). Calibration tubes are available from your TEMIK® brand 15G Lock 'n Load® Aldicarb Pesticide supplier.

TEMIK BRAND 15G (GYPSUM) LOCK 'N LOAD® ALDICARB PESTICIDE CALIBRATION GUIDE TYPE OF GRANULAR APPLICATOR

POUNDS TEMIK® 15G LOCK 'N LOAD® PER ACRE FOR VARIOUS ROW SPACING

ROW SPACING					GANDY GAUGE SETTING			JOHN DEERE MAX EMERGE GAUGE SETTING**			JOHN DEERE MAX EMERGE II GAUGE SETTING			CASE-IH SERIES 800/900 GAUGE SETTING****		
					MPH			MPH			MPH			MPH		
22"	34"	36"	40"	48"	4	5	6	4	5	6	4	5	6	4	5	6
5.5	3.5	3.3	3	2.5	12	13	14	6***	7***	8	8	9	11	1/6.0	1/6.5	1/7.5
7.3	4.7	4.4	4	3.3	13	15	16	7***	9	10	10	12	13	1/7.0	1/7.5	1/8.5
9.1	5.9	5.5	5	4.2	14	16	18	9	11	13	12	14	15	1/8.0	1/8.5	1/9.5
10.9	7.1	6.7	6	5.0	16	18	19	11	13	15	13	15	18	1/9.0	1/9.5	2/1.0
12.7	8.2	7.8	7	5.8	17	19	21	12	15	18	15	18	21	1/9.5	2/0.5	2/2.0
14.5	9.4	8.9	8	6.7	18	20	22	14	17	20	16	20	23	2/0.0	2/2.0	2/3.5
16.4	10.6	10.0	9	7.5	19	21	23	16	19	23	18	22	27	2/1.0	2/3.0	2/5.0
18.2	11.8	11.1	10	8.3	20	22	24	17	21	25	20	25	29	2/2.0	2/4.0	2/6.5
21.8	14.1	13.3	12	10.0	22	24	26	20	25	28	23	29	35	2/3.5	2/7.0	3/0.0
25.5	16.5	15.6	14	11.7	23	26	29	24	28	30	27	35	41	2/5.5	2/8.5	3/4.5
	18.8	17.8	16	13.3	25	28	31	26	29	32	31	39	45	2/7.5	3/2.5	3/8.0
	21.2	20.0	18	15.0	26	30	33	28	31	33	36	44	48	3/0.5	3/6.0	4/2.0
	23.5	22.2	20	16.7	28	31	34	30	32	35	40	46	50	3/2.5	3/9.0	4/5.5
			24	20.0	31	34	37	32	34	37	45	49	53	3/7.5	4/6.0	5/3.0
			27	22.5	33	36	40	33	36	38	48	52	56	4/2.5	5/0.0	5/9.5

*All settings for one hopper box outlet per row

**Odd Numbered Housing (0 – 45)

***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.

****Gate/Dial

HORSTINE FARMERY MICROBAND*

(Using one 3/16" rotor per outlet, part #094006)

POUNDS TEMIK® 15G (GYPSUM) LOCK 'N LOAD PER ACRE FOR VARIOUS ROW SPACINGS

ROW SPACING	SPROCKET** COMBINATION					DRIVER/DRIVEN					
	19-34	22-34	25-34	28-34	25-28	22-22	28-25	34-28	34-25	34-22	34-19
22"	5.50	6.40	7.30	8.20	8.90	10.00	11.20	12.10	13.60	15.40	17.80
30"	4.00	4.60	5.30	5.90	6.50	7.30	8.10	8.80	9.90	11.20	13.00
36"	3.30	3.90	4.40	5.00	5.40	6.10	6.80	7.30	8.20	9.40	10.90
40"	3.00	3.50	4.00	4.50	4.80	5.50	6.10	6.60	7.40	8.40	9.80
48"	2.50	2.90	3.30	3.70	4.00	4.60	5.10	5.50	6.20	7.10	8.20
RATIO:	0.550	0.640	0.730	0.820	0.890	1.000	1.120	1.210	1.360	1.545	1.789

• The Microband is based on positive metering. Settings do not need to be changed with different tractor speeds.

• All settings for one hopper box outlet per row.

• For alternative dose rates, different width rotors can be fitted. For example, a 3/8" wide rotor will deliver twice the rates indicated in the above table.

*Calibrations based upon use of a Horstine Farmery or Canaan 29.5 inch diameter Landwheel drive.

**Sprocket numbers, example: 19 - 34, indicate number of teeth on the DRIVER and DRIVEN Sprockets.

IMPORTANT: READ BEFORE USE

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