

PESTICIDE INCIDENT REPORT

Please complete this form and return it to Beyond Pesticides by email: info@beyondpesticides.org, Fax: (202) 543-4791 or mail: 701 E Street, SE, Washington, DC 20003

Disclosure Approval:
Please Initial One:
I give my permission to release this form and/or the information contained herein to the media, policy makers, and other victims.
I will only permit the release of this form if it is done anonymously. However, you may use my city and state only for reference purposes. Signature: Usual Lafty Both Date: 16/4/2021
May we contact you again? Yes No No
Today's Date: Name of Person Completing This Form: Clyde Jeffrey Bragg
Your Address: City: Idaho Falls State: Idaho
Zip Code: Email Address Phone Number:
Date of Incident: 1960 forward Name of Injured Person or Type of Animal/Plant: Clyde Jeffrey Bragg Age of Injured Person: 63 Gender: Male Your Relationship to Injured Person: Am the person Injured Person's Contact Information, if different from above:
PLACE OF EXPOSURE: NAPI Polato Storages, Fresh Packs, Seed Cutting operations
■ Indoors—Please Specify (home, school, workplace, etc.):
Outdoors—Please Specify (yard, farm, golf course, park, etc):
Food Residues and/or Water—Please list consumable item:
PESTICIDE(S) EXPOSED TO (IF KNOWN):
Please include the product name and/or active ingredient. If you have a label, please attach a copy: Think (Thiram) original content continued do years ago. Addicath (Termis), Vaporn, Nooricanostis, Quadris, Matrix, Sensor, Glyptosash, Rusticathi, Strobilitims. Copper Saltele, Nonley, Obyyston, Chloropopham (Sproutris-nov banned globally 2020), 1, 4 Seed. 1, 4 Saght (Both new potato sprout controls), Chlorylynos, 2, 4-0, Distribunitims, Sulphuric acid, London, DOT (in late 1950's and 1960's), Trefers, Eptam, endosulpham, Entrust, These are the short fat. Started getting symptoms in 1963 when allergies
Insacts, Fungus, Bacteriacides, General Biofurnigants, Sprout Controls in Potations TYPE OF PEST TARGETED:
*
PESTICIDE APPLICATOR:
■ Self ■ Neighbor ■ Farmer □ Golf Course □ Utility Company □ School
■ Public (local or state government) □ Commercial (name of company):
□ Other:

METHOD OF APPLICATION: ■ Aerial ■ Aerosol ■ Fogger □ Wood Preservative ■ Fumigation/Tenting ■ Other:
ROUTE OF EXPOSURE(S): ■ Inhalation ■ Dermal (through the skin) ■ Ingestion □ Other:
Did the incident occur as a result of use according to label instructions? Yes No No
Did the incident occur as a result of use according to labor mode of the incident occur as a result of use according to labor surges and plant samples on 100's of feeds. Our systemically positioned by Phorate (Phorate/Thrami) through skin Please describe: Island soil sampling professionally in 1980 and was exposed laborg soil samples and plant samples on 100's of feeds. Our systemically positioned by Phorate (Phorate/Thrami) through skin Please describe:
Please describe. exposure ended up return salpray and up with a salpray and upon the salpray
Were you notified in advance that a pesticide was used?
Yes: How and when were you notified? It was always commonly used.
No: How did you discover that the pesticide had been applied? Always used
EXPOSURE INCIDENT
Please provide an account of the incident below (attach additional sheets if necessary):
riedse provide all decument

Wrote this all out and then it blanked out!!!! Will send in a word document

FOLLOW-UP:
Are you chemically sensitized?
Yes: Was it a result of this particular incident? I f No, please describe the reason for sensitization: Thiram/Phorate
□ No
Have you taken or are you considering taking legal action regarding this incident?
If Yes, please elaborate on the results/status of the case: YEsbeen poisoned for decades
Would you recommend your attorney to others? □ Yes □ No
If Yes, please provide your attorney's name, address, and telephone number:
Did you notify a public authority or agency about this incident? ☐ Yes ☐ No If Yes, please elaborate on what took place (Was there an investigation? Was any action taken? Were any tests conducted?): Need Help
Did you see a doctor? □ Yes □ No If Yes, please indicate which medical tests were conducted (if any): ■ Blood Count ■ Biochemical Screen □ Urinalysis □ Routine Liver Profile ■ Red Blood Cell/Serum Cholinesterase with Dibucane Level □ Nerve Conduction Timing Test □ Other: Fat cells biopsy Did the results show pesticide residues or poisoning? ■ Yes □ No If Yes, what did the results show?: Thiram leading to rare untreatable dermatitis Please elaborate about diagnosis, treatment, etc. No Treatments

Beyond Pesticides Poisoning Information Clyde Jeffrey Bragg SuperFood Consulting



Official Idaho Office Address



New Mexico Address where we reside:



October 4, 2021

Dear Beyond Pesticides,

I had all of my background information on your form, but right at the end I hit a button that must have erased it all! So, here it is in a word document. I am laying out a background that you will have a better understanding of why I am susceptible to certain compounds, and likely more susceptible than other ag workers. I recently had two small lesions show up, on my legs, as I was in a humid potato storage in November 2020. The same thing happened to me on one leg in Summer of 2018, but went away as I had no more exposure. Right now I have lesions on 90 percent of my body. Here are background facts:

- 1) In 1960 forward, I was in many hospitals with food allergies. The first sweet corn I ate I ended up with hives and asthma and made it to the Jerome, Idaho hospital. Then I ate a strawberry and ended up in the Nampa, Idaho hospital with hives and asthma. I then took a respirator in a suitcase everywhere I went. As allergies were just getting "popular", the nearest specialist was in Reno, Nevada. It helped a little, but then ended up in Portland, Oregon's facil.ity. I began 3x immunization shots/week until finishing high school in 1976. I was allergic to all grasses, all trees but Evergreens. Only nuts I could eat were pine nuts. Bananas have sent me to the hospital 3 times. Don't eat them! I was also allergic for years to:
 - A) All berries
 - B) All cereals except rye
 - C) Tomatoes
 - D) Mustard
 - E) Sweet Corn
 - F) All flowering plants except evergreeds
 - G) All nuts (now I can eat all but Hazelnuts)

- H) Cherries
- I) Apples
- J) Peaches

My assumption is that this was created by Green Revolution chemistry changing the face of our soils. One thing dawned on me yesterday on my intense exposure is that I had started wearing my Grandfather's Stetson from the late 1950's. I will stop wearing it as it may have DDT in the leather band around the inside of the hat. It hadn't been worn by him since 1965, but I started wearing it in earnest the past several months-remembering farm heritage.

2) In 1980 I began work for a soils laboratory in Southern Idaho. This was where my first big exposure began, as a consulting agronomist-specializing on potatoes. The soil probe I used took samples next to the potato seed piece. We used the "feel" method to understand irrigation scheduling versus the in field Electric monitors the competition used. This is where the organophosphate/carbamate compound Thimet (Phorate)/Thiram was placed, during planting, next to the potato seed piece. The chemical went up into the foliage to kill above ground insects like aphids and Colorado Potato Beetles, then translocated back to the tubers to kill wireworms. The half life in the tubers was more than 50 days. It was removed, and replaced, by Temik (ALDICARB). Thiram is in use today as a seed coating for all vegetable seeds. You see, birds eat untreated seed! Can have Birds doing that!

I also took between 2 and 300 leaf samples daily during this time. My hands were green from the chlorophyll of the potato leaf samples for fertility. I was getting headaches, but became much worse when my hired man stepped in a pile near a planter and got it into the carpeting of the pickup. The headaches would leave by afternoon, but I was sick. Got diagnosed with Organophospate poisoning in Idaho Falls, Idaho in the early 1980's and was told it would always stay in my fat cells. I was mad watching the migrant workers leveling off the "Gandy" boxes with cotton gloves, and not telling us about the issues with working with these compounds. I went to Idaho State Department of Agriculture and worked on getting worker safety standards began.

Thimet left potatoes, and then so did Aldicarb. Seems McDonalds may have had some poisoning with these compounds in French Fries. But my Thiram issues continue today. My wife and I use our Idaho Falls house as a place holder for our business. We came back in the fall of 2017, to a instant headache. Fifteen seconds into our home I was sick. I smelt something familiar (This product has an intense smell so people wouldn't want their smell to be that if they went home with resiudye). I found an onion seed bag in my library, that had a common air return to our heating system. The mouse that found the bag died, but the smell had taken over our house. I have been in at least ten other ranches/farms where owners save the stuff to kill rats or other rodents-same affect.

Move to November 2020, and my first walk into a very over humidified building showed two lesions starting where my sock line was. Several months in this "organic storage", showed me that the soil in the floor reached saturation point and the

"Condensation/Rain event" brought moisture to the ceiling and then "rained back" into the bins of potatoes. The soil and structures were now on the skins and surfaces of the potatoes and bins, and were then sorted with me, by hand, to take the rot out. This is what happened, on a smaller scale, in 2018, after being in a potato storage in Oregon with same humidity events.

- 3). We then went to take these potatoes into where they did their potato "seed Cutting", to sack up umwashed seed for a company. This building is where they house a bad product, I also helped bring into the market called Quadris. This compound has been spelled out as a possible COVID relationship to food. The ingredient is Fludioxinil, and shown to kill glutathione in our bodies-the compound that gives us resistance. This product is widely used. I spent January to April in this building, at NAPI, that also was their home to fresh packing years ago. So another exposure would be to this compound. And I recommended it, in N. America as a "DR" to all of my potato growers as VP Product Development for Green Giant Fresh's Potandon Produce. Sometimes up to 7 applications a year. But first of these applications goes on the seed cutting. The Dermatologist also found some fungicide residue in my biopsy.
- 4). The next stop was March to May, where NAPI washed the floors and walls, recorded it, and we packed potatoes. Here we would find fungicide residue and sprout nip residue. Sprout Nip is a compound formulated in Idaho where it was applied on ALL potatoes Non Organic worldwide. It was removed, globally, in 2020 October. There is no applications of it now. But Consumer Reports finding it in ALL samples, including Organic in October 2020 edition. This would have also been in the other buildings as well-Old Storage, Old Fresh Pack (went on tubers as they were washed), New Fresh Pack, and the eldest of the Fresh Pack where they unloaded seed in June and July, 2021. Here would have been all of the products. I believe I also have ingested, through my lungs, this compound as well. Sprout Nip or Chloropropham.
- 5) My symptoms were spelled out in New Mexico by a Paramedic. I then went to San Juan Medical Center, where they sent me to a Dermatologist. He was suggested by my daughter in Idaho Falls, Idaho. He took the analysis out of my fat tissue in the stomach area.

My family Dr, married to a potato grower, took an A1C, and cholinesterase test from my blood. AIC normal, but she didn't share the results with me, but said negative on pesticides. The dermatologist, found Thiram, and says I have a extremely rare autoimmune disease. Idaho, by the way, is not a safe place for something unbiased-particularly when GM foods began there (only four of us would know as we worked for Plant Genetics, and then Calgene).

The lesions are awful, no remedy from any Dr. Family Dr is saying Prednisone and 4 Zyrtec a day. Dermatologist says a prescribed ointment and no prednisone. He says let's find exactly the source. I believe I have a combination of compounds doing this. It hasn't been good for me since quitting Big Farma, and Now quitting chemicals! Quite the opposite as

we have been attacked and slandered over and over by Big Farma. I helped put the following into the market as first field trials:

- -GM Potatoes Naturemark (Monsanto)
- -Neonicanoiods (These could also be in play with my body)
- -Fludioxinil
- -Metam Sodium(Vapam)
- -Matrix herbicide

What do I look like?





Arms and back covered. The dark spot on lower left leg is where a ¾ inch lesion first started. My beltline could have chemical residue in it. It was from a worker and he wore the belt for thirty years. I wore it, with a second long sleeved Patagonia shirt underneath, until I started storage management. The leather could be harboring something, too, and now I just stopped wearing it as well. These are recent pictures and not the horror of how it has begun.



The circular rings look exactly like the Organophosphate poisoning the paramedic referred to. All of my body is covered, except my face.



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

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

OCT 5 2006

Mr. John C. Wood Director of Registrations Amvac Chemical Corporation 4695 MacArthur Court, Suite 1250 Newport Beach, CA 92660

Subject:

Thimet 20G

EPA Reg. No. 5481-530

Your Application of August 10, 2006

Dear Mr. Wood:

The labeling amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, As Amended (FIFRA), is acceptable as a registration amendment, provided that you submit two copies of your final printed label incorporating the following corrections before you release the product for shipment.

1. Correct the typo in the First Aid statement for the "if swallowed" statement from "Do no give " to "Do not give ".	
2. Correct the statement under engineering controls on page 3 from "loaders must be provided and must have immediately available for use in case of read as cited below.	_" t
"loaders must be provided and must have immediately available for use and must wear if a broken package, spill or equipment breakdown occurs: ".	

3. Correct the warranty and disclaimer statements so that they are consistent with the Agency policy regarding such statements. The current Label Review Manual (guidance document on the OPP website at http://www.epa.gov/oppfead1/labeling/lrm/) incorporates these policy statements.

The attachment contains examples of problematic warranty statements. The problematic portions of the label statements are stricken, and necessary language is added in red.

The attachment shows the addition of the phrase, "to the extent consistent with applicable law" to the disclaimers of liability and damages to avoid the statements being false or misleading. Some states or localities may not allow certain disclaimers of liability or damages; therefore, the user/buyer may have a remedy under other law governing warranties.

If this condition is not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e).

A stamped copy of the label is enclosed for your records.

Acceptance of the label does not constitute reregistration of the subject product. Any issuance of reregistration for the product must await resolution of the application rate reduction issue.

You are advised that use of this product in certain portions of California, Oregon and Washington is subject to the January 22, 2004 Order for injunctive relief in Washington Toxics Coalition, et al. v. EPA, C01-0132C, (W.D. WA). For further information, please refer to the following EPA website: http://www.epa.gov/espp/wtc/uselimitation.htm

The Agency has completed the cumulative assessment for the organophosphate pesticides (OP)s and finalized the Interim Reregistration Eligibility Decisions (IREDs) for the OP pesticides. The assessment and supporting documents may be found on the Agency's web site at www.epa.gov/pesticides/cumulative and in the docket (EPA-HQ-OPP-2006-0618).

Sincerely,

Marilyn A. Mautz

Biologist

Insecticide-Rodenticide Branch Registration Division (7504P)

Attachments: Stamped label

Examples of warranty statements

RESTRICTED USE CLASSIFICATION

Due to acute oral, dermal, and inhalation toxicity and avian hazards

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.

THIMET® 20-G

SOIL AND SYSTEMIC INSECTICIDE

Alternate Wording when packaged in LOCK 'N LOAD: LOCK 'N LOAD® CLOSED LOADING SYSTEM Alternate Wording when packaged in SMARTBOX: SMARTBOX® CLOSED LOADING SYSTEM

ACTIVE INGREDIENT: INERT INGREDIENTS:80.0% TOTAL 100.0%

EPA Reg. No.: 5481-530

EPA Est. No.

ACCEPTED with COMENTS

in EPA Letter Dated:

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.)

Under the Federal Insecticide. As amended, for the pesticide Reg. No.

	FIRST AID Registered under EPA
	Contains an organophosphate that inhibits cholinesterase
If swallowed:	Call a poison control center or doctor immediately for treatment advice.
	Have a person sip a glass of water if able to swallow.
	 Do not induce vomiting unless told to do so by a poison control center or doctor.
	Do no give anything by mouth to an unconscious person.
If inhaled:	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.
If on skin or	Take off contaminated clothing.
clothing:	Rinse skin immediately with plenty of water for 15-20 minutes.
	 Call a poison control center or doctor for further treatment advice.
If in eyes:	 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 eye.
	Call a poison control center or doctor for treatment advice.
Antidote:	Atropine is an antidote.
	EMERGENCY INFORMATION

EMERGENCY INFORMATION

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY:

Transportation: CHEMTREC......1-800-424-9300

NOTE TO PHYSICIAN

Warning symptoms include weakness, headache, tightness in chest, blurred vision, nonreactive pinpoint pupils, salivation, nausea, vomiting, diarrhea, and abdominal cramps. Give atropine intramuscularly or intravenously, depending on severity of poisoning, 2 to 4 milligrams every 10 minutes until fully atropinized as shown by dilated pupils, dry flushed skin and tachycardia. Twenty to thirty milligrams, or more, may be required during the first 24 hours. Never give opiates or phenothiazine tranquilizers. Clear chest by postural drainage. Artificial respiration or oxygen administration may be necessary. Observe patient continuously for at least 48 hours. Allow no further exposure to any cholinesterase inhibitor until cholinesterase regeneration has taken place as deterrained by blood tests. Probable mucosal damage may contraindicate the use of gastric lavage.

Pralidoxime chloride (2-PAM; PROTOPAM chloride) may be effective as an adjunct to atropine. Use according to label directions.

SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE.

Net Contents:

As Marked on Container



Los Angeles, CA 90023 U.S.A 1-323-264-3910 • www.amvac-chemical.com

PRECAUTIONARY STATEMENTS

DANGER

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Fatal if swallowed, inhaled or absorbed through the skin. Do not breathe dust. Do not get in eyes, on skin, or on clothing.

Corrosive. Causes irreversible eye damage.

Do Not Breathe Dust.

Do Not Contaminate Food or Feed Products.

Once a container has been opened, use it completely. Make sure the hoppers are emptied while still in the field. Refer to STORAGE AND DISPOSAL statement for further instructions.

Keep Out of Reach of Domestic Animals. Not for Use or Storage in or around the Home.

WORK SAFETY RULE

REPEATED EXPOSURES TO CHOLINESTERASE INHIBITORS SUCH AS ARE CONTAINED IN THIS PRODUCT MAY, WITHOUT WARNING, CAUSE PROLONGED SUSCEPTIBILITY TO VERY SMALL DOSES OF ANY CHOLINESTERASE INHIBITOR.

Persons working with this product should have frequent blood tests of their cholinesterase levels. If the cholinesterase level falls below a critical point, no further exposures should be allowed until it has been determined by means of blood tests that the cholinesterase level has returned to normal. Before using this product consult the National Pesticide Information Center for recommendations regarding such blood tests, poisoning management, and other information regarding the toxicity of phorate. The toll free number for the National Pesticide Information Center is 1-800-858-7378.

If handled indoors, provide mechanical exhaust ventilation.

Keep all unprotected persons, children, livestock and pets away from treated areas or where there is danger of drift.

Do not rub eyes or mouth with hands. If you feel sick in any way, STOP work and get help right away. See FIRST AID section.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are those made of waterproof material. If you want more options, follow the instructions for Category A on an EPA chemical resistance category selection chart.

Loaders, applicators and other handlers using engineering controls must wear:

- Long sleeved shirt and long pants
- Shoes plus socks

In addition, loaders must wear:

• Chemical-resistant gloves (such as those made of waterproof material) See Engineering Controls for additional requirements.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Wash all PPE after each day's use.

Do not reuse contaminated clothing. Clothing and protection equipment heavily contaminated must be destroyed according to state and local regulations. HEAVILY CONTAMINATED CLOTHING CANNOT BE ADEQUATELY DECONTAMINATED.

IMPORTANT: All other handlers performing tasks such as spill clean up or equipment cleaning, for which engineering controls are not feasible must wear:

- Coveralls over long sleeved shirt and long pants
- Chemical resistant footwear plus socks
- Chemical resistant gloves
- Protective eyewear,
- A NIOSH approved dust/mist filtering respirator with a MSHA/NIOSH approval number prefix TC-21C or a NIOSH approved respirator with any N, R, P or HE filter, and
- Chemical resistant apron if exposed to the concentrate.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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.

Failure to follow precautions including wearing proper Personal Protective Equipment may result in serious or even life threatening poisoning requiring immediate medical attention. The active ingredient in this granular formulation can be absorbed through skin to cause poisoning.

ENGINEERING CONTROLS

This product is formulated into Lock 'N Load <u>Alternate Wording when packaged in SMARTBOX</u>: SMARTBOX, an enclosed system that meets the definition of a closed loading system as defined by the Worker Protection Standard for Agricultural Pesticides [40 CFR 170.240(d)(4)]. In addition to wearing the required PPE for handlers using engineering controls, loaders must be provided and must have immediately available for use in case of a broken package, spill or equipment breakdown:

- protective eyewear,
- chemical-resistant apron,
- chemical-resistant footwear, and
- NIOSH-approved dust/mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C or a NIOSH approved respirator with any N, R, P, or HE filter.

Applicators must use an enclosed cab that meets the definition in the Worker Protection Standard for Agricultural Pesticides for dermal protection. In addition the applicator:

- Must wear PPE required for handlers using engineering controls Must either use an enclosed cab that also
 provides equivalent respiratory protection to a dust/mist filtering respirator or wear a NIOSH-approved
 dust/mist filtering respirator with MSHA/NIOSH approval number prefix TC-21-C or a NIOSH approved
 respirator with any N, R, P, or HE filter
- Must be provided and must have immediately available for use and must wear if they must exit the cab in the treated area: protective eyewear, coveralls, chemical-resistant gloves, chemical-resistant footwear, and, if using an enclosed cab that provides respiratory protection, a NIOSH-approved dust/mist filtering respirator with MSHA/NIOSH approval number prefix TC-21-C or a NIOSH approved respirator with any N, P, P, or HE filter
- Take off any PPE that was worn in the treatment area before reentering the cab, and
- Store all such PPE in a chemical resistant container, such as a plastic bag, to prevent contamination of the inside of the cab.

ENVIRONMENTAL HAZARDS

This pesticide is very highly toxic to fish and wildlife.

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean highwater mark. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wastewater or rinsate.

Birds and mammals may be killed if granules are not properly covered with soil in all areas of the treated field and in loading areas.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This label must be in possession of the user at the time of pesticide application. 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 regulation.

Do not use this product on any crop on Long Island, New York. Do not apply this product by air.

Do not apply more than one application of **Thimet 20-G** per crop per season.

Do not apply this product to saturated soils. Do not apply in wet soil conditions that may prevent the equipment from covering pesticide granules. Do not apply while precipitation conducive to runoff is occurring or while conditions favor runoff from the treated area. Do not apply when forecasted precipitation event favors runoff from treated area.

Under some conditions phorate may have a high potential for runoff into surface water for several days following application. Do not apply in the following areas:

- Frequently flooded areas
- Areas where intense or sustained rainfall is forecast to occur within 48 hours

Use Best Management Practices (BMPs) for minimizing surface runoff in the following areas:

- Poorly drained or wet soils with readily visible slopes toward adjacent surface water
- Areas over-laying extremely shallow ground water
- Areas with in-field canals or ditches that drain to surface water
- Areas not separated from adjacent surface waters with vegetated filter strips
- Areas over-laying tile drainage systems that drain to surface water

When used on erodible soils, BMPs for minimizing runoff should be followed. Consult your local soil conservation service for recommendations in your use area.

In particular, where highly erodible land (HEL) is adjacent to aquatic bodies, a 66 foot buffer/setback area should be left in grass or other natural vegetation.

Do not apply within 50 feet of any drinking water well to minimize potential contamination.

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

<u>Alternate Wording when packaged in SMARTBOX</u>: Please refer to the SMARTBOX operator's manual for detailed information on system operation and calibration procedures.

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 interval. 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. Each 48-hour REI is increased to 72 hours in outdoor areas where average annual rainfall is less than 25 inches a year.

Exception: If the product is soil-injected or soil-incorporated, 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.

PPE required 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, is:

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves, such as those made of waterproof material
- Chemical-resistant footwear plus socks
- Protective eyewear

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

BEFORE USING, READ PRECAUTIONARY STATEMENTS

Thimet 20-G should be applied with a granular pesticide applicator properly calibrated to assure accurate placement and proper dosage. Cover granules that may be exposed on the ends of the treated rows and turns and loading areas by deep discing immediately after treating fields.

Crops	Pests Controlled	Rate of Thimet 20-G	Application	Remarks
BEANS At Planting	Mexican bean beetles	4.9-9.4 oz per 1,000 ft of row for any row spacing (30-inch minimum) or no more than 10.2 lb/A	Drill granules to the side of the seed. Granules must be incorporated into the soil.	Do not place Thimet 20-G granules in direct contact with seed. Do no graze or feed treated hay or forage to livestock. Do not apply later than
	Leafhoppers Aphids Lygus bugs Thrips Mites Seedcorn maggots Seedcorn maggots	4.5-7.0 oz per 1,000 ft of row for any row spacing (30-inch minimum) or no more than 7.6 lb/A	Apply granules in a band over the row and lightly incorporate into the soil using tines or a light drag chain. Granules must be incorporated into the soil.	Do not apply more than one application of Thimet 20-G per crop season. Use the high rate under heavy pest pressure.
FIELD CORN AND SWEET CORN (excluding popcorn) At Planting	Corn rootworms Wireworms White grubs Seedcorn maggots Seedcorn beetles Flea beetles Mites	4.5-6.0 oz per 1,000 ft of row for any row spacing (30-inch minimum) or no more than 6.5 lb/A	Place granules in a 7-inch band over the row directly behind the planter shoe in front of or behind the press wheel and lightly incorporate. Granules must be incorporated into the soil.	Do not use in-furrow application. For field corn: Accent® herbicide and Beacon® herbicide may be applied after BANDED applications of Thimet 20-G. Refer to the Accent and Beacon labels for pertinent use directions and precautions. Do not apply more than
			·	one application of Thimet 20-G per crop per season. Use the high rate under heavy pest pressure

Crops	Pests Controlled	Rate of Thimet 20-G	Application	Remarks
FIELD CORN	Corn rootworms	Kate of 1 minet 20-G	Apply granules to	Do not harvest, graze, or
AND SWEET CORN (excluding popcorn) At Cultivation			base of plants just ahead of cultivation shovels so as to cover granules with soil. Granules must be incorporated into the soil.	cut forage within 30 days of last treatment. Do not apply more than one application of Thimet 20-G per crop per season.
FIELD CORN (excluding sweet corn and popcorn) At Cultivation	Chinch bug nymphs (Arkansas, Colorado, Kansas, Louisiana, Mississippi, Nebraska, Oklahoma, Tennessee, Texas)		Apply granules to base of plants just ahead of cultivation shovels so as to cover granules with soil. Apply as soon as chinch bug nymphs are observed at base of plant. Granules must be placed at the infested region of the plants and adequately covered with soil. Granules must be incorporated into the soil.	Later infestations of chinch bugs may not be controlled. Do not harvest, graze, or cut forage within 30 days of last treatment. Do not apply more than one application of Thimet 20-G per crop per season. Use the high rate under heavy pest pressure.
COTTON At Planting	Early season control of: Thrips Leafminers	2.5-3.0 oz per 1,000 ft of row for any spacing (30-inch minimum) or no more than 3.3 lb/A	Distribute the granules evenly in the furrow at planting time. Soil temperature, moisture and tilth should be favorable for good germination and emergence. Granules must be incorporated into the soil.	Suggested for areas where limited period of protection against early season pests is necessary for good cotton growth. If seeds and Thimet 20-G are hill-dropped, Thimet 20-G rates may be reduced by one-half (to 1.6 lb Thimet 20-G per acre). Do not graze or feed treated hay or forage to livestock. Crop injury may occur if applications of diuroncontaining herbicides such as Karmex® herbicide or Direx® herbicide are made in conjunction with soilapplied organo-phosphate pesticides. Do not apply more than
				Do not apply more than one application of Thimet 20-G per crop

Crops	Pests Controlled	Rate of Thimet 20-G	Application	Remarks
				season.
				Use the high rate under
	1:			heavy pest pressure.
COTTON	Mites	6.0-9.0 oz per 1,000 ft	Distribute the	Recommended for areas
	Thrips	of row for any row	granules evenly in the	requiring an extended
At Planting	Aphids	spacing (36-inch	furrow at planting	period of mite control as
	Black cutworms	minimum) or no more	time. Soil	well as early season
	Leafhoppers	than 8.2 lb/A	temperature, moisture	protection against other
	Whiteflies	607510000	and tilth should be	cotton pests. The higher
	Leafminers	6.0-7.5 oz per 1,000 ft	favorable for good	rate is suggested for
	,	of row for 30-inch row	germination and	heavier soils. Do not
		spacing or no more than 8.2 lb/A	emergence. Under	graze or feed treated hay
		6.2 10/A	adverse conditions plant stand may be	or forage to livestock.
			affected.	Cron injury may coour if
			arrected.	Crop injury may occur if applications of diuron-
-			Granules must be	containing herbicides
			incorporated into the	such as Karmex and
			soil.	Direx are made in
				conjunction with soil-
				applied organophosphate
				pesticides.
			,	Do not apply more than
			,	one application of
				Thimet 20-G per crop
	,			season.
				Use the high rate under
				heavy pest pressure.
COTTON	Mites from spring to	9.0-12.0 oz per 1,000 ft	Incorporate granules	Irrigate as soon as
	early summer	of row for any row	into the soil as a side-	possible after treatment.
Side-Dressing		spacing (36-inch	dress application	Do not apply later than
(Irrigated Cotton		minimum) or no more	deep enough to avoid	60 days before harvest.
in Arizona and		than 10.9 lb/A	disturbance by future	Do not graze or feed
California Only)		7.5.10.0 1.000.0	cultivations.	treated hay or forage to livestock.
		7.5-10.0 oz per 1,000 ft of row for 30-inch row	Granules must be	livestock.
		spacing or no more than	incorporated into the	Crop injury may occur if
		10.9 lb/A	soil.	applications of diuron-
	,	10.9 10/A	5011.	containing herbicides
				such as Karmex®
				herbicide or Direx®
				herbicide are made in
				conjunction with soil-
				applied organophosphate
]		pesticides.
				_
•				Do not apply more than
				one application of
	'			Thimet 20-G per crop
				season. Use the high rate
				under heavy pest
				pressure.
		1		

Crops	Pests Controlled	Rate of Thimet 20-G	Application	Remarks
PEANUTS	Thrips	4.25 oz per 1,000 ft of	Distribute the	Do not graze or feed
At Planting	Leafhoppers	row for any row spacing (24-inch minimum) or no more than 5.8 lb/A	granules evenly in the furrow at planting time. For best results, plant peanuts when soil temperatures are favorable for establishing good peanut stands.	treated hay or forage to livestock. Wait 90 days after treatment before harvesting peanuts. Do not apply more than one application of
			Granules must be incorporated into the soil.	Thimet 20-G per crop season. Use on peanuts at pegging is prohibited.
POTATOES	Aphids	Light or Sandy Soils:	Distribute the	Wait 90 days after
At Planting	Leafhoppers Leafminers Psyllids Wireworms Flea beetle larvae and reduction of flea beetle adults	8.5-11.3 oz per 1,000 ft of row for any row spacing (32-inch minimum) or no more than 11.5 lb/A Heavy or Clay Soils: 13.0-17.3 oz per 1,000 ft of row for any row spacing (32-inch minimum) or no more than 17.7 lb/A	granules evenly in the furrow or band on each side of the row and incorporate. Granules must be incorporated into the soil.	treatment before harvesting potatoes. Use the high rate under heavy pest pressure.
	Colorado potato beetle (early season control)	Heavy or Clay Soils: 13.0-17.3 oz per 1,000 ft of row for any row spacing (32-inch minimum) or no more than 17.7 lb/A		Wait 90 days after treatment before harvesting potatoes. Do not use for Colorado potato beetle control on the DelMarVa Peninsula Do not apply more than one application of Thimet 20-G per crop season.
			, .	Use the high rate under heavy pest pressure.

Crops	Pests Controlled	Rate of Thimet 20-G	Application	Remarks
POTATOES	Aphids	Light or Sandy Soils:	For postemergence	Wait 90 days after
Postemergence	Leafhoppers Colorado potato beetle (early season only) Wireworms (suppression only)	8.5 – 11.3 oz per 1,000 ft of row for any row spacing (32-inch minimum) Do not use on heavy soils.	treatment: Place granules on each side of the row at the level of the seed pieces before covering at hilling. Apply 4 to 6 weeks after planting. Granules must be incorporated into the soil.	treatment before harvesting potatoes. Do not use for Colorado potato beetle control on the DelMarVa Peninsula. Do not apply more than one application of THIMET 20-G® per crop season. Use the high rate under heavy pest pressure.
SORGHUM	Greenbugs	4.5 – 6.0 oz per 1,000 ft	Place granules in a 7-	Do not place THIMET
At Planting		of row for any row spacing (30-inch minimum) or no more than 6.5 lb/A.	inch band over the row directly behind the planter shoe in front of or behind the press wheel and lightly incorporate. OR	20-G granules in direct contact with seed. Do not apply more than one application of THIMET 20-G per crop season.
			Drill 1 inch below and 2 inches to the side of the seed.	Use the high rate under heavy pest pressure.
SORGHUM At Cultivation	Chinch bug nymphs (Colorado, Kansas, Nebraska)		Apply granules to base of plants just ahead of cultivation	Later infestation of chinch bugs may not be controlled.
			shovels so as to cover granules with soil. Apply as soon as chinch bug nymphs are observed at base of plants. Granules must be placed at the infested region of the plants and adequately covered with soil. Granules must be incorporated into the soil.	Do not feed foliage before grain harvest. Do not apply within 30 days of harvest. Do not graze within 30 days after application. Do not apply more than one application of THIMET 20-G per crop season.
				Use the high rate under heavy pest pressure.

At Planting C	Pests Controlled For early season control of: Mexican bean beetles	Rate of Thimet 20-G 6.75 oz per 1,000 ft of row for any row spacing (30-inch minimum) or	Application Drill granules to the side of the seed.	Remarks Do not place THIMET® 20-G granules in direct
At Planting C	control of:	row for any row spacing		
At Planting N			side of the seed.	20"G granuics in uncci
L		(30-inch minimilm) or		contact with seed.
	Leaf Hoppers	no more than 7.4 lb/A	Granules must be	Common Him South
	Lygus bugs	lio more didir 7.7 10.71	incorporated into the	Do not feed the foliage of
	Seedcorn maggots		soil.	treated soybeans.
	Thrips	·	3011.	treated soybeans.
	Aphids			Crop injury may result
	Mites			
1	rites			when preplant incorporated or
	'			-
				preemergence applications of
			'	
				metribuzin herbicides are
				used in conjunction with
S	Seedcorn maggots		Place granules in a 7-	this product or other soil-
			inch band over the	applied organophosphate
4			row directly behinid	pesticides.
			the planter shoe and	
			in front of the press	Do not apply more than
			wheel and lightly	one application of
			incorporate.	THIMET 20-G per crop
				season.
			Granules must be	
		·	incorporated into the	
		1	soil.	
1	Aphids	3.4 – 4.5 oz per 1,000 ft	Drill granules to side	Do not place THIMET
1	Beet root maggots	of row for any row	of the seed OR place	20-G granules in direct
	Leafhoppers	spacing (20-inch	granules in a band	contact with the seed.
	Mites	minimum) or no more	over the seed and	
1	Leafminers	than 7.4 lb/A	lightly incorporate.	Do not apply within 30
				days of harvest.
			Granules must be	
			incorporated into the	Do not apply more than
			soil.	one application of
				THIMET 20-G per crop
				season.
				Use the high rate under
CIICAD DEPEN	£*.	10 55"	<u> </u>	heavy pest pressure.
	Mites	4.9 – 7.5 lb per acre	Direct granules over	Do not apply within 30
	Aphids		the row towards the	days of harvest.
Postemergence B	Beet root maggots		base of the plants.	
			Lightly incorporate	Do not broadcast.
			granules into the soil	
			using tines, shovels,	Consult your state
			or a rotary hoe.	experiment station or
				state extension service for
		,	Apply post-	proper timing of
			emergence when	application in your area.
			plants are dry.	
			Granules must be	Do not apply more than
			incorporated into the	one application of
l l	I		soil.	THIMET 20-G per crop
	I	'		
		Ì		season.
		`		

Crops	Pests Controlled	Rate of Thimet 20-G	Application	Remarks
				Use the high rate under
				heavy pest pressure.
				The feeding of sugar beet
				tops or silage to dairy
				cattle is prohibited.
1				
SUGAR CANE	Wireworms	14.6 - 19.5 lb per acre	Apply in a 10-12 inch	Do not graze or feed
			band directly on the	treated hay or forage to
(Florida)			seed piece and	livestock.
			surrounding soil in	
•			the open furrow	Do not apply more than
			immediately before	one application of
			covering with soil.	THIMET 20-G per crop season.
			Granules must be	Souperi.
			incorporated into the	Use the high rate under
			soil.	heavy pest pressure.

USE RATES AS POUNDS PER ACRE

	APPLICATION RATE (ounces per 1,000 ft of row)														
	1.2	3.0	4.5	4.9	5.5	6.0	7.0	7.5	9.0	9.4	10.0	11.0	11.3	12.0	17.3
40"		2.5	3.7	4.0	4.5	4.9	5.7	6.1	7.4	7.7	8.2	9.0	9.2	9.8	14.1
38"		2.6	3.9	4.2	4.7	5.2	6.0	6.4	7.7	8.1	8.6	9.5	9.7	10.3	14.9
36"		2.7	4.1	4.4	5.0	5.4	6.4	6.8	8.2	8.5	9.1	10.0	10.3	10.9	15.7
34"		2.9	4.3	4.7	5.3	5.8	6.7	7.2	8.6	9.0	9.6	10.6	10.9	11.5	16.6
32"		3.1	4.6	5.0	5.6	6.1	7.1	7.7	9.2	9.6	10.2	11.2	11.5	12.3	17.7
30"		3.3	4.9	5.3	6.0	6.5	7.6	8.2	9.8	10.2	10.9	12.0	12.3	13.1	
26"		3.8	5.7	6.2	6.9	7.5	8.8	9.4	11.3	11.8	12.6	13.8	14.2		
24"		4.1	6.1	6.7	7.5	8.2	9.5	10.2	12.3	12.8	13.6	15.0			
22"		4.5	6.7	7.3											
20"	2.0	4.9	7.4												
16"	2.5														
12"	3.3														
8"	4.9														

To determine other use rates, in pounds per acre:

Take desired rate (ounces) and divide by 1,000 ft of row, divide by 16 oz/lb, divide by row width in feet, multiply by $43,560 \text{ ft}^2/A = \text{lb/A}$.

Example: For 10 oz in 1,000 ft of row, 36 inch row width (3 ft):

 $(10 \text{ oz})(43,560 \text{ ft}^2/\text{A}) \div (1,000 \text{ ft row})(16 \text{ oz/lb})(3 \text{ ft row width}) = 9.075 \text{ lb/A}$

CALIBRATION INFORMATION

It is important that applicator equipment be properly set to deliver the labeled rate. The table below contains suggested starting gauge settings for calibration at planting speeds of 5 or 7 mph and application rates of 4.5, 6.0 or 9.0 oz per 1,000 ft of row.

NOTE: The settings in this table SHOULD ONLY BE USED AS STARTING POINTS. Continually check the amount of **Thimet 20-G** used against a known length of row and make further adjustments accordingly. Also check calibration occasionally to make sure equipment wear, changing moisture conditions, etc. have not caused a change in flow rate.

<u>Alternate Wording when packaged in SMARTBOX:</u> Please refer to the SmartBox operator's manual for detailed information on system operation and calibration procedures.

SUGGESTED GRANULAR APPLICATOR SETTING¹

	Plant	ter Speed 5	mph	Planter Speed 7 mph		
Applicator	4.5 oz.	6.0 oz.	9.0 oz.	4.5 oz.	6.0 oz.	9.0 oz.
John Deere Max-Emerge 2	14	17	23	17	21	33
John Deere Max-Emerge 2 with Chemizer Rotors	15	18	26	19	24	36
John Deere Max-Emerge (Odd Notches 5-15-25-35)	9	11	14	11	13	17
John Deere Max-Emerge (Even Notches 0-10-20-30)	9	13	20	13	19	26
John Deere 71 Flexi-Planter (John Deere Metal Hoppers)	1/23	1/26	2/3	1/26	1/32	2/14
New International Harvester (2 gauges hopper)	1/9	2/2	2/6	2/2	2/5	3/3
Old International Harvester (1 gauge hopper)	1/6	1/8	2/3	1/9	2/2	2/9
New Gandy	15	18	22	18	21	25
New Noble	6	8	11	8	11	14
Old Noble	8	11	16	12	15	22
Allis Chalmers (78 and 79 Series)	4	5	7	4	5	7
Allis Chalmers #385	10	11	14	11	13	18
White 6000	9	12	16	12	16	19
Kinze (even 0-10-20-30)	6	9	13	9	12	17

¹Suggested Starting point only.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PROHIBITIONS: Open dumping is prohibited. Cover or incorporate spills.

PESTICIDE STORAGE: Store pesticide products in a secure locked area where children, unauthorized persons and animals cannot enter. Do not store in the same area with food or feed. Do not store opened containers.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your state pesticide or Environmental Control Agency, or the hazardous waste representative at the nearest EPA Regional Office for guidance.

Alternate Wording when packaged in LOCK 'N LOAD:

CONTAINER DISPOSAL: Return empty container to point of purchase.

Consult Federal, State or local disposal authorities for approved alternative procedures such as limited open burning. <u>Alternate Wording when packaged in SMARTBOX</u>:

CONTAINER RETURN: Do not discard the container. All SMARTBOX containers must be returned per instructions provided. Do not attempt to open or tamper with the container. Once empty, containers are not intended for reuse.

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, subject to the inherent risks referred to herein, 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' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties of food crops and plants, or in all states or under all conditions.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE SET FORTH HEREIN. 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 OF FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY OF QUALITY OR PERFORMANCE. 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 AND ALL 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, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. TO THE FULLEST EXTENT PERMITTED BY LAW, MANUFACTURER OR SELLER SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

AMVAC offers this product, and Buyer accepts it, subject to the foregoing Limited Warranty which may be varied only by agreement in writing signed by an authorized representative of AMVAC.

Thimet and SmartBox are registered trademarks of Amvac Chemical Corp. Lock'n Load is a registered trademark of BASF Corp. Accent and Karmex are registered trademarks of E.I. DuPont deNemours and Company. Beacon is a registered trademark of Syngenta. Direx is a registered trademark of Griffin Ag Products Co., Inc.

AMVAC Chemical Corporation 4100 E. Washington Boulevard Los Angeles, CA 90023 U.S.A. 1-323-264-3910 www.amvac-chemical.com 264-330



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

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

OCT 8 2009

Larry Hodges
Bayer CropScience LP
2 T.W. Alexander Drive
PO Box 12014
Research Triangle Park,
NC 27709

Subject:

TEMIK^R Brand 15G Aldicarb Pesticide

EPA Reg. No. 264-330

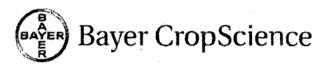
Your Submission Dated October 1, 2009 Supplemental Labeling For Use on Citrus

Dear Mr. Hodges;

The label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) as amended, is acceptable. A stamped copy is enclosed for your records. Please submit one copy of the final printed label before releasing the product for shipment. This supplemental label will expire on January 14, 2011.

Sincerely,

Joanne S. Edwards, Entomologist Insecticide-Rodenticide Branch Registration Division (7505P)



Bayer CropScience LP P.Ó. Box 12014 2 T.W. Alexander Drive Research Triangle Park, North Carolina 27709 1-866-99BAYER (1-866-992-2937) http://www.bayercropscienceus.com

TEMIK® brand 15G Aldicarb Pestic A C C E P T E D

EPA Reg. No. 264-330

Under the Rederal Insecticide, Use Directions for Various Updates as amended, for the pesticide Registered under Fungicide, and Rodenticide Act EPA Reg. No. 264-330

Supplemental Label

This label for TEMIK® brand 15G Aldicarb Pesticide expires on January 14, 2011 and must not be distributed or used after this date.

RESTRICTED USE PESTICIDE

DUE TO ACUTE ORAL TOXICITY and TO 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 ALDICARB PESTICIDE

For Control of Certain Insects, Mites, and Nematodes

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 alquien 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:	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:	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	Take off contaminated clothing.					
CLOTHING:	Rinse skin immediately with plenty of water for 15-20 minutes.					
	Call a poison control center or doctor for treatment advice.					
IF INHALED:	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.

MEDICAL INFORMATION

Contact a physician immediately in all cases of suspected poisoning. Illness may be produced rapidly following overexposure to TEMIK brand 15G Aldicarb Pesticide. 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 15G Aldicarb Pesticide 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 15G Aldicarb Pesticide 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 in eyes, on skin or on clothing. 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) FOR HANDLERS NOT USING CLOSED LOADING SYSTEMS

Some materials that are chemical-resistant to this product are made of any waterproof material. If you want more options, follow the instructions for category A on an EPA chemical-resistant category selection chart.

All loaders, applicators and other handlers must wear at a minimum coveralls over long-sleeved shirts and long pants, chemical-resistant gloves made of any waterproof material, chemical-resistant footwear plus socks, and protective eyewear (goggles or face shield). In addition, loaders and handlers cleaning equipment or spills must wear: a chemical-resistant apron and a NIOSH-approved respirator with a dust/mist filter with the MSHA/NIOSH approval number prefix TC-21C or any N, R, P, or HE filter.

See Engineering Controls for additional options

PERSONAL PROTECTIVE EQUIPMENT (PPE) FOR TEMIK BRAND 15G ALDICARB PESTICIDE IN LOCK 'N LOAD AND SMARTBOX SYSTEMS

Some materials that are chemical-resistant to this product are made of any waterproof material. If you want more options, follow the instructions for category A on an EPA chemical-resistant category selection chart.

All loaders, applicators and other handlers must wear long-sleeved shirts and long pants and shoes plus socks. In addition, loaders and handlers cleaning equipment or spills must wear chemical-resistant gloves made of any waterproof material and a chemical-resistant apron.

See Engineering Controls for additional requirements.

USER SAFETY REQUIREMENTS

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS FOR CLOSED LOADING SYSTEMS

This product is formulated into Lock 'n Load and Smartbox systems that meet the definition of a closed loading system in the Worker Protection Standard for Agricultural Pesticides [40 CFR 170.240(d)(4)]. Loaders and applicators using the closed-system packaging must wear the personal protective equipment required in the PPE section of this label for loaders during loading and wear the personal protective equipment required in the PPE section of this label for applicators during applying. Loaders and applicators using the closed-system packaging must be provided, have immediately available, and use in an emergency, such as a broken package, spill, or equipment breakdown, chemical-resistant gloves, chemical resistant apron, chemical-resistant footwear, protective eyewear, and a NIOSH-approved respirator with a dust/mist filter with the MSHA/NIOSH approval number prefix TC-21C or any N, R, P, or HE filter.

ENGINEERING CONTROLS FOR NON-CLOSED PACKAGING

Applicators using an enclosed cab that meets the definition in the Worker Protection Standard for Agricultural Pesticides [40 CFR 170.240(d)(5)] may wear reduced personal protective equipment provided they wear a long-sleeved shirt, long pants, shoes, and socks and, are provided, have immediately available, and use in an emergency, such as a broken package, spill, or equipment breakdown: chemical-resistant gloves, chemical resistant apron, chemical-resistant footwear, protective eyewear, and a NIOSH-approved respirator with a dust/mist filter with the MSHA/NIOSH approval number prefix TC-21C or any N, R, P, or HE filter. Applicators must take off any PPE that was worn in the treated area before reentering the cab, and store all such PPE in a chemical-resistant container, such as a plastic bag, to prevent contamination of the inside of the cab.

User Safety Recommendations

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

User should remove clothing/PPE immediately if pesticide gets inside. Then wash 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

TOXIC TO FISH, BIRDS, AND OTHER WILDLIFE: This pesticide is extremely toxic to birds and other wildlife. Birds feeding on exposed granules may be killed. Cover or immediately soil incorporate granules spilled during loading, at row ends, or elsewhere to ensure the granules are completely covered with soil.

This pesticide is toxic to fish and aquatic invertebrates. 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.

This product is potentially toxic to honey bees through translocated residues in pollen and nectar if application is made during bloom.

Aldicarb is known to leach through soil into ground water under certain conditions. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination. Apply this product only as specified on this label. Read the use directions and the appended Environmental Precautions and Soil Type Restriction Tables 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 ground water. If the above describes your local use conditions and ground water 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).

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 worn over long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material, chemical-resistant footwear plus socks, and protective eyewear.

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 Aldicarb Pesticide in original container only, in secure, 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.

PESTICIDE DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

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

Non-refillable container. Do not reuse or refill this container. Completely empty container into application equipment. Offer for recycling, if available or 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.

(FOR LOCK 'N LOAD AND SMARTBOX PACKAGING ONLY) Refillable container. Refill this container with TEMIK brand 15G Aldicarb Pesticide only. Do not reuse this container for any other purpose. Return empty Lock 'n Load and Smartbox 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.

INFORMATION

READ ENTIRE LABEL BEFORE USING THIS PRODUCT.

TEMIK brand 15G Aldicarb Pesticide controls listed 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 Aldicarb Pesticide.

RESTRICTIONS

Use TEMIK brand 15G Aldicarb Pesticide only in accordance with label directions, and restrictions. DO **NOT** USE ON ANY CROP NOT LISTED ON THIS LABEL OR SUPPLEMENTAL LABELING. Use higher rates on heavy organic or clay soils. Do not exceed the maximum label rate.

Application may only be made using motorized ground application equipment. Application using aircraft, backpack spreaders, or push-type spreaders is prohibited. Additional restrictions on application equipment pertain to use on citrus, potatoes, and sweet potatoes.

6/10

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 Aldicarb Pesticide and water must be on the same side of the plant row.

Calibrate and adjust ground 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 disk any spills at row ends immediately to prevent birds from feeding on exposed granules.

GROUND WATER RESTRICTIONS

- Observe Environmental Hazard statements 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 over-irrigation promotes the leaching of chemicals.
- Do not apply within 50 feet of any drinking water well. More restrictive setbacks may apply. See the Environmental Precautions and Soil Type Restriction Tables.
- 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, Rhóde Island, Vermont or Wisconsin, or in Del Norte or Humbolt counties in California or in Curry County, Oregon.
- For State Specific Ground water Restrictions, 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 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 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 brand 15G Aldicarb Pesticide with other materials before application.

DIRECTIONS FOR USE

To provide maximum performance and to minimize hazard to birds, granules must be placed into bottom of furrow and immediately covered with soil by mechanical means. For all applications, cover or immediately soil incorporate granules spilled during loading, at row ends, or elsewhere to ensure the granules are completely covered with soil. When a range of rates are specified, use the higher rate if pest infestations are expected to be severe.

CITRUS

Crop Group 10: Calamondin, Citrus citron, Citrus hybrids (includes chironja, tangelo, tangor), Grapefruit, Kumquat, Lemon,

Lime, Mandarin (tangerine), Orange (sour, sweet), Pummelo, Satsuma mandarin

Pests Controlled	Pounds/Acre (18 To 25 Ft Row Spacing)	Application Instructions
Aphids Mites: Citrus Red Citrus Rust Texas Citrus Psyllid: Asian Citrus Psyllid (Diaphorina citri)	33	Apply just prior to or during the spring flush of foliage growth in a band along the dripline on both sides of tree row. Apply granules in 3 to 6 furrows that are 2 to 3 inches deep and spaced on approximately 12-inch centers. Immediately cover with soil by mechanical means. The width of each band should equal 1/4 the tree row spacing. OR If trees are furrow irrigated, apply granules 2 to 3 inches deep in irrigation furrow using 2 shanks per furrow.
Whiteflies		
Citrus Nematode (Except Florida)		
Immature Citrus Trees (1-2 years old)	2.0 oz / tree	Apply granules in a furrow beside individual trees and cover with at least 2 inches of soil by mechanical means.

REQUIRED APPLICATION EQUIPMENT AND PRACTICES FOR CITRUS

- Application of TEMIK brand 15G Aldicarb Pesticide to citrus must be made only with granular applicators which use Positive Displacement Metering Units such as: Pounds Motor Co., Gandy® Orbit-Air®, Gandy® Orbit-Flow®, Valmar Airflow, and Horstine Farmery Microband™, or Accu-Shot®.
- Cover or immediately soil incorporate granules spilled during loading, at row ends, or elsewhere to ensure the granules are completely covered with soil.
- Immediately deep-disk any spills at row ends or elsewhere to ensure the granules are covered with a layer of soil.

RESTRICTIONS FOR CITRUS

- Not registered for use on Citrus in California.
- When used on citrus in Florida, apply only during the state-required Use Season, which is from November 15 through April 30 in accordance with the "Aldicarb Rule" - Section 5E-2.028 of the Florida Administrative Code (F.A.C).
- The maximum single application rate is 33 pounds per acre per year.
- Do not make more than one application per tree per year.
- Do not allow livestock to graze in treated areas.
- Do not harvest lemons within 30 days of application.

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.

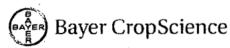
TEMIK° brand 15G Aldicarb Pesticide

EPA Reg. No. 264-330

Environmental Precautions and Soil Type Restriction Tables



Refer to the container label for additional use precautions and directions.



P.O. Box 12014, 2 T.W. Alexander Drive

Research Triangle Park, North Carolina 27709
1-866-99BAYER (1-866-992-2937)
http://www.bayercropscience.us

TEMIK is a registered trademark of Bayer.

Bayer CropScience LP

ENVIRONMENTAL PRECAUTIONS GENERAL USE RESTRICTIONS

AGRICULTURAL CHEMICALS HAVE THE POTENTIAL TO MOVE INTO SHALLOW GROUND WATER.
THE FOLLOWING RESTRICTIONS HAVE BEEN DEVELOPED TO PROTECT DRINKING WATER SUPPLIES.

DO NOT APPLY WITHIN 50 FEET OF ANY DRINKING WATER WELL TO MINIMIZE CONTAMINATION BY SURFACE RUNOFF.

MORE STRINGENT RESTRICTIONS MAY BE REQUIRED. AS DISCUSSED BELOW.

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

Contact your state pesticide regulatory authority for further information on state requirements for the use of this product.

Some states have or may be developing more restrictive regulations regarding the use and application of TEMIK brand 15G Aldicarb Pesticide. Follow all state regulations restricting the use and application of this product, including limitations on applications near drinking water sources. In all cases, the more restrictive requirements must be followed. It is the responsibility of the applicator to document the construction of wells claimed not to be shallow.

STATE SPECIFIC GROUND WATER LIMITATIONS

FOLLOW THE LISTED "ADDITIONAL RESTRICTIONS" if the following conditions are present:

FL V		Section 5E- restrictions.	2.028, Florid	able is less th	wing types ater than 2 nan 25 feet	your county can tell of vulnerable soils. 5 feet below ground below ground surfa (F.A.C.), for addition	If it is not I surface, ice. See
FL V		Adamsville Alaga Alpin Archbold Astatula	Bigbée Candler Eglin Florahome Fort Meade	Foxworth Gainesville Kershaw Klej	Lake Lakeland Neilhurst Orlando Orsino	Ortega Paola Penney Quartzipsamments Satellite	Tavares Váldosta
	/ulnerable Citrus Soils	15G Aldicar drinking was those listed with an availanches as id unless it is a such wells a feet below to Service whi within this conduction and the service which are the service within this conduction. Adams ville Archbold Astatula	rb Pesticide ter well rega below) have ilable water dentified by ti known or rea are either ca the water tab ich serves yo ategory. Ca Ca Ca t is the resp	not be used of rdless of dep a a permeabilicapacity less he U.S.D.A. I asonably beliesed to 100 fe ble. The U.S. bur county candler assia ke	on Florida of the of water ity rate great than 0.06 in Natural Reserved based et below ground itell you if Neilhurst Orsino Palm beach the applicate itel of the organization of the organ	Satellite	et of a uch as per hour oth of 80 on Service, urces that imum of 30 ervation ove(s) fall St. Lucie Tavares construction
FL O	je.	completion statement c State regul	report issue certified as to lations requi	d by the appropriate of the desired that TEM	opriate wat a licensed llK brand	ter management dis well contractor. 15G Aldicarb Pest well. See Section	strict; or (b) a

For <u>MEDICAL</u> And <u>TRANSPORTATION</u> Emergencies <u>ONLY</u> Call 24 Hours A Day 1-800-334-7577 For <u>PRODUCT USE</u> Information Call 1-866-99BAYER (1-866-992-2937)

OF

Visit our worldwide web site at www.bayercropscienceus.com
As with any crop-protection product, always read and follow label directions.
For additional information call toll-free 1-866-99BAYER (1-866-992-2937).

Temik is a registered trademark of Bayer.