

241-257

12-27-2000

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Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060



United States
Environmental Protection Agency
Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number
270229

Application for Pesticide - Section I

1. Company/Product Number 241-257	2. EPA Product Manager M. Mautz	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) THIMET 20G soil and systemic insecticide	PM# Team 14	
5. Name and Address of Applicant (Include ZIP Code) BASF Corporation P.O. Box 400 Princeton, NJ 08543-0400 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

NOTIFICATION

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated <u>DEC 27 2000</u>
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification to change wireworms from being controlled to suppressed by THIMET postemergent applications in potatoes per PR Notice 98-10. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	If "Yes" Package wgt		<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		No. per container	No. per container		
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name John J. Wrubel	Title Global Regulatory Affairs Manager	Telephone (No. (Include Area Code) 609-716-2378
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Global Regulatory Affairs Manager	
4. Typed Name John J. Wrubel	5. Date 12/18/00	

NOTIFICATION 2/33
DEC 27 2000

RESTRICTED USE CLASSIFICATION
Due to acute oral and dermal 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.

BASF Corporation endorses Certification to promote the responsible use of pesticides to insure the protection of man and the environment.

THIMET® 20-G
soil and systemic insecticide
LOCK 'n LOAD® Closed Handling System

Active Ingredient:	
Phorate: 0,0-diethyl S-[(ethylthio) methyl] phosphorodithioate	20.0%
Inert Ingredients:	80.0%
<hr/>	
Total	100.0%

EPA Reg. No. 241-257

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN
DANGER/PELIGRO!



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

STATEMENT OF PRACTICAL TREATMENT
Organophosphate

CALL A PHYSICIAN AT ONCE IN ALL CASES OF SUSPECTED POISONING.

If swallowed, drink one or two glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Avoid alcohol. Get medical attention.

If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get medical attention.

If on skin, wash thoroughly with soap and water.

If in eyes, immediately flush eyes with plenty of water. Get medical attention.

Antidote: Atropine is an antidote.

See Next Page for Additional Precautionary Statements

IN CASE OF AN EMERGENCY ENDANGERING LIFE OR PROPERTY INVOLVING THIS PRODUCT, CALL DAY OR NIGHT, 800-832-HELP.

NOTE TO PHYSICIANS: 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 determined by blood tests.

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

Sold By

BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709
©2000

Net Weight:

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER!

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

Do Not Breathe Dust

While emptying container into equipment, pour downwind and allow as little free fall as possible. Do not pour at face level and do not allow dust to reach the breathing zone.

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 Telecommunications Network for recommendations regarding such blood tests, poisoning management, emergency treatment, and other information regarding the toxicity of phorate. The toll free number for the National Pesticide Telecommunication Network 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 Statement of Practical Treatment section.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- coveralls over long sleeved shirt and long pants,
- waterproof gloves,
- chemical-resistant footwear plus socks,
- protective eye wear,
- chemical-resistant headgear for overhead exposure,
- chemical-resistant apron when cleaning equipment or loading, and
- a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P, or HE prefilter.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, 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.**

When handlers use closed systems, or enclosed cabs 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 with 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 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.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish and wildlife. Birds feeding in treated areas may be killed.

Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Collect or incorporate granules that are spilled during loading or are visible on soil surface in turn areas. Do not contaminate water when disposing of equipment washwaters.

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 the 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.

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,
- waterproof gloves,
- chemical-resistant footwear plus socks.
- protective eye wear,
- 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 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.

Prohibitions

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

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.

Container Disposal

Return empty container to point of purchase.

General

Consult Federal, State or local disposal authorities for approved alternative procedures such as limited open burning.

DISCLAIMER

The label instructions for the use of this product reflect the opinion of experts based on research and field use. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the use of, or application of the product contrary to label instructions, all of which are beyond the control of BASF Corporation. All such risks shall be assumed by the user.

BASF shall not be responsible for losses or damages resulting from use of this product in any manner not set forth on this label. User assumes all risks associated with the use of this product in any manner not specifically set forth on this label.

BASF warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use therein described when used in accordance with the directions for use, subject to the risk referred to above. **BASF DOES NOT MAKE OR AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED AND EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.**

BUYER'S EXCLUSIVE REMEDY AND BASF'S LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THIMET 20-G. In no case shall BASF or the seller be liable for consequential, special or indirect damages resulting from the use or handling of this product.

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

Crop	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.	Do not place THIMET 20-G granules in direct contact with seed. Do not graze or feed treated hay or forage to livestock. Do not apply later than 60 days before harvest.
	Leafhoppers Aphids Lygus bugs Thrips Mites 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		
	Seedcorn maggots		Apply granules in a band over the row.	

**FIELD CORN
AND SWEET
CORN
(excluding
popcorn)**

At Planting

Corn rootworms
Wireworms
White grubs
Seedcorn maggots
Seedcorn beetles
Flea beetles
Mites

6 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.

Do not use in-furrow
application. One
additional application
can be applied at
cultivation.

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.

**FIELD
CORN AND
SWEET
CORN
(excluding
popcorn)**

At Cultivation

Corn Rootworms

Apply granules to
base of plants just
ahead of cultivation
shovels so as to
cover granules with
soil.

Do not make any
applications of
THIMET 20-G after
cultivation treatment.

Do not harvest within
30 days of last
treatment.

Apply only one
cultivation treatment
per season.

**FIELD CORN
(excluding
sweet 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.

Later infestations of chinch bugs may not be controlled.

Do not make any applications of THIMET 20-G after cultivation treatment.

Do not harvest, graze, or cut forage within 30 days of last treatment.

Apply only one cultivation treatment per season.

COTTON

At Planting

Early season control of: Thrips Leafminers

3.0 oz per 1,000 ft of row for any row 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.

Suggested for areas where a 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 1.5 lb THIMET 20-G per acre).

Do not graze or feed treated hay or forage to livestock. Crop injury may occur if applications of diuron containing herbicides such as Karmex* or Direx*** are made in conjunction with soil-applied organo-phosphate pesticides.

COTTON

At Planting

Mites
Thrips
Aphids
Black cutworms
Leafhoppers
Whiteflies
Leafminers

6.0-9.0 oz per 1,000 ft of row for any row spacing (36-inch minimum) or no more than 8.2 lb/A

6.0-7.5 oz per 1,000 ft of row for 30-inch row spacing or no more than 8.2 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. Under adverse conditions plant stand may be affected.

Recommended for areas requiring an extended period of mite control as well as early season protection against other cotton pests. The higher rate is suggested for heavier soils. Do not graze or feed treated hay or forage to livestock.

Crop injury may occur if applications of diuron containing herbicides such as Karmex or Direx are made in conjunction with soil-applied organophosphate pesticides.

COTTON

**Side-Dressing
(Irrigated
Cotton Only)**

Mites from spring to early summer

9.0-12.0 oz per 1,000 ft of row for any row spacing (36-inch minimum) or no more than 10.9 lb/A

9.0-10.0 oz per 1,000 ft of row for 30-inch row spacing or no more than 10.9 lb/A

Incorporate granules into the soil as a side-dress application deep enough to avoid disturbance by future cultivations.

Irrigate as soon as possible after treatment. Do not apply later than 60 days before harvest. Do not graze or feed treated hay or forage to livestock.

Apply only one side-dressing treatment per season.

Crop injury may occur if applications of diuron containing herbicides such as Karmex or Direx are made in conjunction with soil-applied organophosphate pesticides.

PEANUTS At Planting	Thrips Leafhoppers	5.5 oz per 1,000 ft of row for any row spacing (24-inch minimum) or no more than 7.5 lb/A	Distribute the granules evenly in the furrow at planting time. For best results, plant peanuts when soil temperatures are favorable for establishing good peanut stands.	Do not graze or feed treated hay or forage to livestock. Wait 90 days after treatment before harvesting peanuts. A second application of granules may be applied at pegging.
PEANUTS At Pegging	Southern corn rootworms Leafhoppers Wireworms	11.0 oz per 1,000 ft of row for any row spacing (24-inch minimum) or no more than 15 lb/A	Distribute the granules as a band over the fruiting zone at pegging time. Work into the top few inches of soil immediately.	Do not graze or feed treated hay or forage to livestock. Wait 90 days after treatment before harvesting peanuts. Apply only one pegging treatment per season.
POTATOES At Planting	Aphids Leafhoppers Leafminers Psyllids Wireworms Flea beetle larvae and reduction of flea beetle adults.	Light or Sandy Soils: 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: 17.3 oz per 1,000 ft of row for any row spacing (32-inch minimum) or no more than 17.7 lb/A	Distribute the granules evenly in the furrow or band on each side of the row.	Wait 90 days after treatment before harvesting potatoes.
	Colorado potato beetle (early season control)	Heavy or Clay Soils: 17.3 oz per 1,000 ft of row for any row spacing (32-inch minimum) or no more than 17.7 lb/A		Do not use for Colorado potato beetle control on the DelMarva Peninsula.

POTATOES	Aphids	Light or Sandy Soils: 11.3 oz per 1,000 ft of row for any row spacing (32-inch minimum).	For postemergence 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.	Wait 90 days after treatment before harvesting potatoes.
	Leafhoppers			
Post Emergence	Colorado potato beetle (early season only)	Do not use on heavy soils.		DO NOT apply THIMET 20-G as a sidedress treatment if THIMET 20-G has been applied at planting time.
	Wireworms (suppression only)			
				Do not use for Colorado potato beetle control on the DelMarva Peninsula.

SORGHUM	Greenbugs	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 OR drill 1 inch below and 2 inches to the side of the seed.	Do not place THIMET 20-G granules in direct contact with seed. A second application of granules may be applied at cultivation.
At Planting				

SORGHUM	Chinch bug nymphs		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 plants. Granules must be placed at the infested region of the plants and adequately covered with soil.	Later infestation of chinch bugs may not be controlled.
At Cultivation	(Colorado, Kansas, Nebraska)			Do not make any application of THIMET 20-G after cultivation treatment.
				Do not feed foliage before grain harvest.
				Do not apply within 30 days of harvest.
				Apply only one cultivation treatment per season.

SOYBEANS At Planting	For early season control of: Mexican bean beetles Leaf Hoppers Lygus bugs Seedcorn maggots Thrips Aphids Mites	9.0 oz per 1,000 ft of row for any row spacing (30-inch minimum) or no more than 9.8 lb/a	Drill granules to the side of the seed.	Do not place THIMET 20-G granules in direct contact with seed. Do not feed the foliage of treated soybeans. Crop injury may result when preplant incorporated or preemergence applications of metribuzin herbicides are used in conjunction with this product or other soil-applied organo-phosphate pesticides.
	Seedcorn maggots		Place granules in a 7-inch band over the row directly behind the planter shoe and in front of the press wheel.	
SUGAR BEETS At planting	Aphids Beet root maggots Leafhoppers Mites Leafminers	4.5 oz per 1,000 ft of row for any row spacing (20-inch minimum) or no more than 7.4 lb/A	Drill granules to side of the seed OR place granules in a band over the seed.	Do not place THIMET 20-G granules in direct contact with the seed. Do not apply within 30 days of harvest
SUGAR BEETS Post-emergence	Mites Aphids Beet root maggots	4.9-7.5 lb per acre	Apply to foliage when plants are dry. Use the higher rate on dense foliage for good coverage.	Apply only one postemergence treatment per season. Do not apply within 30 days of harvest. Do not broadcast. Consult your state experiment station or state extension service for proper timing of application in your area.

SUGAR CANE (Florida)	Wireworms	19.5 lb per acre	Apply in a 10-12 inch band directly on the seed piece and surrounding soil in the open furrow immediately before covering.	Do not graze or feed treated hay or forage to livestock.
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WHEAT At Planting	Grasshoppers ¹ Aphids (Western and North Central States only) Hessian fly	1.2 oz per 1,000 ft of row for any row spacing (8-inch minimum) or no more than 4.9 lb/A	Apply the granules in the seed furrow.	Do not feed or graze foliage within 70 days of treatment. Do not make any later applications after planting time treatment. Do not harvest within 70 days of application ¹ Grasshoppers controlled in winter wheat only.
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* Accent and Karmex are a registered trademark of E.I. duPont deNemours and Company
 ** Beacon is a registered trademark of Novartis.
 *** Direx is a registered trademark of Griffin Ag Products Co., Inc.

®Registered trademarks of BASF
 080900

16/33

USE RATES AS POUNDS PER ACRE

Application Rate (ounces per 1,000 Ft of Row)

	<u>1.2</u>	<u>3.0</u>	<u>4.5</u>	<u>4.9</u>	<u>5.5</u>	<u>6.0</u>	<u>7.0</u>	<u>7.5</u>	<u>9.0</u>	<u>9.4</u>	<u>10.0</u>	<u>11.0</u>	<u>11.3</u>	<u>12.0</u>	<u>17.3</u>
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 ft²/A = lb/A.

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

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

17/33

CALIBRATION INFORMATION

FIRST READ THE LABEL

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.

SUGGESTED GRANULAR APPLICATOR SETTING¹

Applicator	Planter Speed 5 mph			Planter Speed 7 mph		
	4.5 oz.	6.0 oz.	9.0 oz.	4.5 oz.	6.0 oz.	9.0 oz.
John Deere MaxEmerge 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

¹ Suggested starting point only.

RESTRICTED USE CLASSIFICATION

Due to acute oral and dermal 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.

BASF Corporation endorses Certification to promote the responsible use of pesticides to insure the protection of man and the environment.

**THIMET® 20-G
soil and systemic insecticide**

Active Ingredient:

Phorate: 0,0-diethyl S-[(ethylthio) methyl] phosphorodithioate20.0%

Inert Ingredients:.....80.0%

Total.....100.0%

EPA Reg. No. 241-257

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN

DANGER/PELIGRO!



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

STATEMENT OF PRACTICAL TREATMENT

Organophosphate

CALL A PHYSICIAN AT ONCE IN ALL CASES OF SUSPECTED POISONING.

If swallowed, drink one or two glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Avoid alcohol. Get medical attention.

If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get medical attention.

If on skin, wash thoroughly with soap and water.

If in eyes, immediately flush eyes with plenty of water. Get medical attention.

Antidote: Atropine is an antidote.

19/33

See Next Page for Additional Precautionary Statements

IN CASE OF AN EMERGENCY ENDANGERING LIFE OR PROPERTY INVOLVING THIS PRODUCT, CALL DAY OR NIGHT, 800-832-HELP.

NOTE TO PHYSICIANS: 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 determined by blood tests.

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

Sold By

BASF Corporation

26 Davis Drive

Research Triangle Park, NC 27709

©2000

Net Weight:

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER!

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

Do Not Breathe Dust

While emptying container into equipment, pour downwind and allow as little free fall as possible. Do not pour at face level and do not allow dust to reach the breathing zone.

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 Telecommunications Network for recommendations regarding such blood tests, poisoning management, emergency treatment, and other information regarding the toxicity of phorate. The toll free number for the National Pesticide Telecommunication Network 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 Statement of Practical Treatment section.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- coveralls over long sleeved shirt and long pants,
- waterproof gloves,
- chemical-resistant footwear plus socks.
- protective eye wear,
- chemical-resistant headgear for overhead exposure,
- chemical-resistant apron when cleaning equipment or loading, and
- a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P, or HE prefilter.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, 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.**

When handlers use closed systems, or enclosed cabs 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.

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 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.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish and wildlife. Birds feeding in treated areas may be killed.

Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Collect or incorporate granules that are spilled during loading or are visible on soil surface in turn areas. Do not contaminate water when disposing of equipment washwaters.

224
133

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 the 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.

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,
- waterproof gloves,
- chemical-resistant footwear plus socks,
- protective eye wear,
- 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 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.

Prohibitions

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

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.

Container Disposal

Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

General

Consult Federal, State or local disposal authorities for approved alternative procedures such as limited open burning.

DISCLAIMER

The label instructions for the use of this product reflect the opinion of experts based on research and field use. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the use of, or application of the product contrary to label instructions, all of which are beyond the control of BASF Corporation. All such risks shall be assumed by the user.

BASF shall not be responsible for losses or damages resulting from use of this product in any manner not set forth on this label. User assumes all risks associated with the use of this product in any manner not specifically set forth on this label.

BASF warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use therein described when used in accordance with the directions for use, subject to the risk referred to above. **BASF DOES NOT MAKE OR AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED AND EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.**

BUYER'S EXCLUSIVE REMEDY AND BASF'S LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THIMET 20-G. In no case shall BASF or the seller be liable for consequential, special or indirect damages resulting from the use or handling of this product.

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

Crop	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.	Do not place THIMET 20-G granules in direct contact with seed. Do not graze or feed treated hay or forage to livestock. Do not apply later than 60 days before harvest.
	Leafhoppers Aphids Lygus bugs Thrips Mites 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		
	Seedcorn maggots		Apply granules in a band over the row.	

FIELD CORN AND SWEET CORN (excluding popcorn)	Corn rootworms	6 oz per 1,000 ft of	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.	Do not use in-furrow application. One additional application can be applied at cultivation. 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.
	Wireworms	row for any row spacing (30-inch minimum) or no more than 6.5 lb/A		
At Planting	White grubs			
	Seedcorn maggots			
	Seedcorn beetles			
	Flea beetles			
	Mites			

FIELD CORN AND SWEET CORN (excluding popcorn)	Corn Rootworms	Apply granules to base of plants just ahead of cultivation shovels so as to cover granules with soil.	Do not make any applications of THIMET 20-G after cultivation treatment. Do not harvest within 30 days of last treatment. Apply only one cultivation treatment per season.
At Cultivation			

**FIELD CORN
(excluding
sweet 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.

Later infestations of chinch bugs may not be controlled.

Do not make any applications of THIMET 20-G after cultivation treatment.

Do not harvest, graze, or cut forage within 30 days of last treatment.

Apply only one cultivation treatment per season.

COTTON

At Planting

Early season control of:
Thrips
Leafminers

3.0 oz per 1,000 ft of row for any row 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.

Suggested for areas where a 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 1.5 lb THIMET 20-G per acre).

Do not graze or feed treated hay or forage to livestock.

Crop injury may occur if applications of diuron containing herbicides such as Karmex* or Direx*** are made in conjunction with soil-applied organo-phosphate pesticides.

COTTON

At Planting	Mites	6.0-9.0 oz per 1,000 ft of row for any row spacing (36-inch minimum) or no more than 8.2 lb/A	Distribute the granules evenly in the furrow at planting time. Soil temperature, moisture and tillage should be favorable for good germination and emergence. Under adverse conditions plant stand may be affected.	Recommended for areas requiring an extended period of mite control as well as early season protection against other cotton pests. The higher rate is suggested for heavier soils. Do not graze or feed treated hay or forage to livestock.
	Thrips Aphids Black cutworms Leafhoppers Whiteflies Leafminers	6.0-7.5 oz per 1,000 ft of row for 30-inch row spacing or no more than 8.2 lb/A		
				Crop injury may occur if applications of diuron containing herbicides such as Karmex or Direx are made in conjunction with soil-applied organophosphate pesticides.

COTTON

Side-Dressing (Irrigated Cotton Only)	Mites from spring to early summer	9.0-12.0 oz per 1,000 ft of row for any row spacing (36-inch minimum) or no more than 10.9 lb/A	Incorporate granules into the soil as a side-dress application deep enough to avoid disturbance by future cultivations.	Irrigate as soon as possible after treatment. Do not apply later than 60 days before harvest. Do not graze or feed treated hay or forage to livestock.
		9.0-10.0 oz per 1,000 ft of row for 30-inch row spacing or no more than 10.9 lb/A		
				Apply only one side-dressing treatment per season.
				Crop injury may occur if applications of diuron containing herbicides such as Karmex or Direx are made in conjunction with soil-applied organophosphate pesticides.

PEANUTS At Planting	Thrips Leafhoppers	5.5 oz per 1,000 ft of row for any row spacing (24-inch minimum) or no more than 7.5 lb/A	Distribute the granules evenly in the furrow at planting time. For best results, plant peanuts when soil temperatures are favorable for establishing good peanut stands.	Do not graze or feed treated hay or forage to livestock. Wait 90 days after treatment before harvesting peanuts. A second application of granules may be applied at pegging.
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PEANUTS At Pegging	Southern corn rootworms Leafhoppers Wireworms	11.0 oz per 1,000 ft of row for any row spacing (24-inch minimum) or no more than 15 lb/A	Distribute the granules as a band over the fruiting zone at pegging time. Work into the top few inches of soil immediately.	Do not graze or feed treated hay or forage to livestock. Wait 90 days after treatment before harvesting peanuts. Apply only one pegging treatment per season.
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POTATOES At Planting	Aphids Leafhoppers Leafminers Psyllids Wireworms Flea beetle larvae and reduction of flea beetle adults.	Light or Sandy Soils: 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: 17.3 oz per 1,000 ft of row for any row spacing (32-inch minimum) or no more than 17.7 lb/A	Distribute the granules evenly in the furrow or band on each side of the row.	Wait 90 days after treatment before harvesting potatoes.
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Colorado potato beetle (early season control)	Heavy or Clay Soils: 17.3 oz per 1,000 ft of row for any row spacing (32-inch minimum) or no more than 17.7 lb/A	Do not use for Colorado potato beetle control on the DelMarva Peninsula.
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POTATOES Post Emergence	Aphids	Light or Sandy Soils:	For postemergence treatment:	Wait 90 days after treatment before harvesting potatoes.
	Leafhoppers Colorado potato beetle (early season only)	11.3 oz per 1,000 ft of row for any row spacing (32-inch minimum).	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.	DO NOT apply THIMET 20-G as a sidedress treatment if THIMET 20-G has been applied at planting time.
	Wireworms (suppression only)	Do not use on heavy soils.		Do not use for Colorado potato beetle control on the DelMarva Peninsula.

SORGHUM At Planting	Greenbugs	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 OR drill 1 inch below and 2 inches to the side of the seed.	Do not place THIMET 20-G granules in direct contact with seed. A second application of granules may be applied at cultivation.
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SORGHUM At Cultivation	Chinch bug nymphs (Colorado, Kansas, Nebraska)		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 plants. Granules must be placed at the infested region of the plants and adequately covered with soil.	<p>Later infestation of chinch bugs may not be controlled.</p> <p>Do not make any application of THIMET 20-G after cultivation treatment.</p> <p>Do not feed foliage before grain harvest.</p> <p>Do not apply within 30 days of harvest.</p> <p>Apply only one cultivation treatment per season.</p>
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SOYBEANS At Planting	For early season control of: Mexican bean beetles Leaf Hoppers Lygus bugs Seedcorn maggots Thrips Aphids Mites	9.0 oz per 1,000 ft of row for any row spacing (30-inch minimum) or no more than 9.8 lb/a	Drill granules to the side of the seed.	Do not place THIMET 20-G granules in direct contact with seed. Do not feed the foliage of treated soybeans. Crop injury may result when preplant incorporated or preemergence applications of metribuzin herbicides are used in conjunction with this product or other soil-applied organo-phosphate pesticides.
	Seedcorn maggots		Place granules in a 7-inch band over the row directly behind the planter shoe and in front of the press wheel.	
SUGAR BEETS At planting	Aphids Beet root maggots Leafhoppers Mites Leafminers	4.5 oz per 1,000 ft of row for any row spacing (20-inch minimum) or no more than 7.4 lb/A	Drill granules to side of the seed OR place granules in a band over the seed.	Do not place THIMET 20-G granules in direct contact with the seed. Do not apply within 30 days of harvest
SUGAR BEETS Post-emergence	Mites Aphids Beet root maggots	4.9-7.5 lb per acre	Apply to foliage when plants are dry. Use the higher rate on dense foliage for good coverage.	Apply only one postemergence treatment per season. Do not apply within 30 days of harvest. Do not broadcast. Consult your state experiment station or state extension service for proper timing of application in your area.

**SUGAR
CANE
(Florida)**

Wireworms

19.5 lb per acre

Apply in a 10-12 inch band directly on the seed piece and surrounding soil in the open furrow immediately before covering.

Do not graze or feed treated hay or forage to livestock.

**WHEAT
At Planting**

Grasshoppers¹
Aphids
(Western and North Central States only)
Hessian fly

1.2 oz per 1,000 ft of row for any row spacing (8-inch minimum) or no more than 4.9 lb/A

Apply the granules in the seed furrow.

Do not feed or graze foliage within 70 days of treatment.

Do not make any later applications after planting time treatment.

Do not harvest within 70 days of application

¹Grasshoppers controlled in winter wheat only.

* Accent and Karmex are a registered trademark of E.I. duPont deNemours and Company

** Beacon is a registered trademark of Novartis.

*** Direx is a registered trademark of Griffin Ag Products Co., Inc.

®Registered trademark of BASF

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USE RATES AS POUNDS PER ACRE

Application Rate (ounces per 1,000 Ft of Row)

	<u>1.2</u>	<u>3.0</u>	<u>4.5</u>	<u>4.9</u>	<u>5.5</u>	<u>6.0</u>	<u>7.0</u>	<u>7.5</u>	<u>9.0</u>	<u>9.4</u>	<u>10.0</u>	<u>11.0</u>	<u>11.3</u>	<u>12.0</u>	<u>17.3</u>
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 ft²/A = lb/A.

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

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

CALIBRATION INFORMATION

FIRST READ THE LABEL

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.

SUGGESTED GRANULAR APPLICATOR SETTING¹

Applicator	Planter Speed 5 mph			Planter Speed 7 mph		
	4.5 oz.	6.0 oz.	9.0 oz.	4.5 oz.	6.0 oz.	9.0 oz.
John Deere MaxEmerge 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

¹ Suggested starting point only.