

(Illustration)

THIMET[®] 20-G

soil and systemic insecticide

(red)

Active Ingredient:

Phorate (0,0-diethyl) S- (ethylthio) methyl phosphorodithioate 20.0%

Inert Ingredients 80.0%

EPA Reg. No. 241-257-AA

EPA Est. No.

Organic phosphate compound mixture, dry

(18 pt. type)

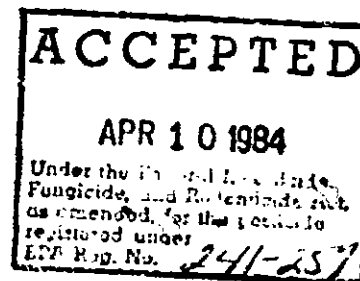
KEEP OUT OF REACH OF CHILDREN

(12 pt. type)

DANGER!

POISON

(red)



See Side Panel for Antidote and Other Precautions

PELIGRO!

AL USUARIO: Si usted no lee inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

ENGLISH TRANSLATION

DANGER!

(TO THE USER: If you cannot read English, do not use this product until the label has been fully explained to you.)

Net Weight: 50 lbs.
22.68 kg.

24638-02

D45

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)

DANGER!

Danger, fatal if swallowed, inhaled or absorbed through the skin, repeated inhalation or skin contact may, without symptoms, progressively increase susceptibility to poisoning.

Do Not Get In Eyes, On Skin, On Clothing

Wear freshly laundered, long-sleeved work clothing daily. While transferring from package to equipment, wear a clean cap and gloves (rubber or cotton). If cotton gloves are used, they must be laundered or discarded after each day's use. Rubber gloves should be washed with soap and water after each use. Do not wear the same gloves for other work. Destroy and replace gloves frequently.

In case of contact, immediately remove contaminated clothing and wash skin thoroughly with soap and water. Launder clothing before reuse. Wash thoroughly with soap and water before eating or smoking. Bathe at the end of the work day and change outer clothing.

Do Not Breathe Dust

Wear a face mask or other respiratory equipment while emptying bags of product into a hopper. While emptying bags 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.

Keep all unprotected persons out of operating areas.

Keep Out of Reach of Domestic Animals

ENVIRONMENTAL HAZARDS

Product is toxic to fish, shrimp, crab, birds and other wildlife. Birds and other wildlife in treated areas may be killed. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of waste. Shrimp and crab may be killed at application rate recommended on this label. Do not apply where these are important resources. Apply this product only as specified on this label.

This pesticide is toxic to bees exposed to direct application. Applications should be timed to coincide with periods of minimum bee activity, usually between late evening and early morning.

(red)

In case of an emergency endangering life or property involving this product, call collect, day or night, Area Code 201 - 835-3100.

Antidote: Atropine is antidotal.

FIRST AID

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. 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.

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

CALL A PHYSICIAN AT ONCE IN ALL CASES OF SUSPECTED POISONING

NOTE TO PHYSICIANS: Warning symptoms include weakness, headache, tightness in chest, blurred vision, nonreactive pinpoint pupils, salivation, sweating, nausea, vomiting, diarrhea and abdominal cramps. Give atropine intramuscularly or intravenously, depending on severity of poisoning, 2 to 4 milligrams of atropine 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.

^c Trademark of American Cyanamid Company

DISCLAIMER

The label instructions for the use of this product reflect the opinion of experts based on field use and tests. 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 or application of the product contrary to label instructions, all of which are beyond the control of American Cyanamid Company. All such risks shall be assumed by the user.

American Cyanamid Company 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 risks referred to above.

Any damages arising from a breach of this warranty shall be limited to direct damages and shall not include consequential commercial damages such as loss of profits or values or any other special or indirect damages.

American Cyanamid Company makes no other express or implied warranty, including any other express or implied warranty of FITNESS or of MERCHANTABILITY.

(12 pt. type)

DIRECTIONS FOR USE

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

Fields may be reentered on day of treatment with soil applications of THIMET 20-G. Do not enter fields within 7 days after plants have been treated with foliar applications. THIMET 20-G should be applied with a granular pesticide applicator properly calibrated to assure accurate placement and proper dosage.

IMPORTANT: Read precautionary statements before using this product.

(12 pt. type)

STORAGE AND DISPOSAL

PROHIBITIONS

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Sweep up and bury spillage, whether it occurs indoors or in the field. Once a bag has been opened, use it completely or bury the remainder. Make sure that the hoppers of equipment are emptied while still in the field. Not for use or storage in or around the home.

PESTICIDE DISPOSAL

Pesticide or spillage that cannot be used according to label instructions must be disposed of according to federal, state or local procedures under the Resource Conservation and Recovery Act.

CONTAINER DISPOSAL

Completely empty bag by shaking and tapping sides and bottom to loosen any clinging material. Empty the residues into the application equipment. Dispose of bags in a sanitary landfill, or by other approved state and local procedures.

GENERAL

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

247 - 3.7

CROPS

Crop	Pests Controlled	Rate of THIMET 20-G (See chart below for rate/acre conversion)	Application	Remarks
ALFALFA	Alfalfa weevil larvae	7.5-9.8 lbs. per acre	Broadcast the granules evenly over the field in the spring when first growth starts.	Do not feed or graze with- in 35 days after treatment. A topical spray of malathion may be neces- sary if late infestations of weevil occur.
BARLEY (Irrigated Barley only)	Aphids	4.9 lbs. per acre	Broadcast the granules evenly over the field when aphids first appear using air or ground equipment.	Irrigate soon after treatment. Do not apply within 60 days of harvest. Do not allow livestock to graze treated barley.
BEANS	Mexican bean beetles	4.5-9.4 ozs. per 1,000 ft. of row for any row spacing (minimum 30-inch spacing)	Distribute the granules evenly in the row to the side of the seed at planting time.	Do not feed the foliage of treated beans within 60 days of treatment.
	Leafhoppers, aphids, lygus bugs, thrips, mites and seed- corn maggots	4.5-7 ozs. per 1,000 ft. of row for any row spacing (minimum 30-inch spacing)	Do not place THIMET granules in direct contact with the seed.	

CROPS (C

Rate of THIMET 20-G
(See chart below for
rate/acre conversion)

Crop	Pests Controlled	Rate of THIMET 20-G (See chart below for rate/acre conversion)	Application	Remarks
FIELD CORN Application at Planting Time	Corn rootworms Mites Corn Fleabeetle	6 ozs. per 1,000 ft. of row for any row spacing (minimum 30-inch row spacing)	Place granules in a 7-inch band over the row directly behind the planter shoe in front of the press wheel.	Do not place THIMET granules in direct contact with seed. One additional application can be applied at cultivation or over corn later in the season.
	Reduction of white grubs (North Central States only)			
	Seed corn beetle (Iowa and Illinois only)			
	Wireworms (North Central and Southeastern States only)			
Application at Cultivation	Corn rootworms		Apply granules at time of cultivation in a band at base of plants just ahead of cultivator shovels so as to cover granules with soil. Apply in June as soon as root- worm activity is observed.	Do not make any applica- tions of THIMET after cultivation treatment.
	Chinch bug nymphs (Colorado, Kansas, Nebraska)		Apply granules at time of cultivation in a band at base of plants or over the row just ahead of cultivator 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 infestations of chinch bugs may not be controlled. Do not make any applications of THIMET after cultivation treatment.

CROPS (Continued)

Crop	Pests Controlled	Rate of THIMET 20-G (See chart below for rate/acre conversion)	Application	Remarks
Application Over the Plant	European corn borer (1st brood)	Broadcast the granules evenly over the field by air or ground equipment at a rate of 5.0 lbs. per acre.	Apply granules into the whorl of the plant prior to tassel emergence.	Do not graze or cut for for- age within 30 days of treat- ment. Do not make more than one application over the plant. Do not apply under prolonged drought conditions. Consult your state experiment station for or state extension service for proper timing of application.
	Corn leaf aphids Mites		Apply granules into the whorl of the plant.	
SWEET CORN Application at Planting Time	Corn rootworms Mites	6 ozs. per 1,000 ft. of row for any row spacing (minimum 30-inch row spacing)	Place granules in a 7-inch band over the row directly behind the planter shoe in front of the press wheel.	Do not place THIMET granules in direct contact with seed. One additional treatment can be made at cultivation.
	Seed corn beetle (Iowa and Illinois only)			
	Reduction of wireworms (North Central and Southeastern States only)			
Application at Cultivation	Corn rootworms		Apply granules at time of cultivation in a band at base of plants just ahead of cultivator shovels so as to cover granules with soil. Apply in June as soon as root- worm activity is observed.	Do not make any later applications after culti- vation treatment.

CROPS (Continued)

Crop	Pests Controlled	Rate of THIMET 20-G (See chart below for rate/acre conversion)	Application	Remarks
COTTON At Planting Time	Early season thrips, aphids, mites and leaf miners	3 ozs. per 1,000 ft. of row for any row spacing (minimum 36-inch spacing)	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 protec- tion against early season pests is necessary for good cotton growth. Use 1.5 lbs. THIMET 20-G per acre for hill-dropped cotton.
	Mites, thrips, aphids, black cutworms, leaf- hoppers, white flies and leaf miners	6-9 ozs. per 1,000 ft. of row for any row spacing (minimum 36-inch spacing)	Distribute the granules evenly in the furrow at planting time. Soil temperature, moisture and tilth should be favorable for good germination and emer- gence. 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.
At Side-Dressing Time (Irrigated Cotton only)	Mites from spring to early summer	9-12 ozs. per 1,000 ft. of row for any row spacing (minimum 36-inch spacing)	Incorporate granules into 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.

CROPS (Continued)

Crop	Pests Controlled	Rate of THIMET 20-G (See chart below for rate/acre conversion)	Application	Remarks
HOPS	Mites, aphids	9.8-15 lbs. per acre	Apply as a band over the row after crowns have begun to grow but before plants are too large. Water in or hill-over.	Do not apply within 42 days of harvest. Do not feed crop refuse to livestock.
LETTUCE (Grown in the Northeastern United States)	Aster leafhoppers for reduction of lettuce yellows	3 ozs. per 1,000 ft. of row for any row spacing (minimum 18-inch spacing)	Apply the granules in the fertilizer band on one or both sides of the row at seeding time or when plants are transplanted in the field.	Do not place THIMET granules in direct contact with the seed. For best results seed should be treated with a registered fungicide in accordance with the recommendations on the label.
PEANUTS At Planting Time	Thrips, leafhoppers	5.5 ozs. per 1,000 ft. of row for any row spacing (minimum 24-inch spacing)	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.
At Pegging Time	Southern corn rootworms and leafhoppers	11 ozs. per 1,000 ft. of row for any row spacing (minimum 24-inch spacing)	Distribute the granules as a band over the fruiting zone at pegging time. Work into the top few inches of soil immediately.	This treatment will also control late infestations of leafhoppers. Do not graze or feed treated hay or forage.

CROPS (Continued)

Crop	Pests Controlled	Rate of THIMET 20-G (See chart below for rate/acre conversion)	Application	Remarks
POTATOES	Aphids, leaf-hoppers, leaf miners, psyllids, wireworms, flea beetle larvae and reduction of flea beetle adults	<u>Light or Sandy Soils:</u> 11.3 ozs. per 1,000 ft. of row for any row spacing (minimum 32-inch spacing) <u>Heavy or Clay Soils:</u> 17.3 ozs. per 1,000 ft. of row for any row spacing (minimum 32-inch spacing)	Distribute the granules evenly in the furrow or granules may be banded on each side of the row at planting time.	Wait 90 days after treatment before harvesting potatoes.
	Colorado potato beetle (early season control)	<u>Heavy or Clay Soils:</u> 17.3 ozs. per 1,000 ft. of row for any row spacing (minimum 32-inch spacing)		

CROPS (Continued)

Crop	Pests Controlled	Rate of THIMET 20-G (See chart below for rate/acre conversion)	Application	Remarks
SORGHUM At Planting Time	Aphids (Greenbugs)	6 ozs. per 1,000 ft. of row for any row spacing (minimum 30-inch spacing)	Place granules 2-inches to side and 1-inch below the seed at planting or as a 7-inch band over the row just prior to press wheel.	Do not place THIMET granules in direct contact with seed. A second application of granules may be applied topically later in the season.
	Chinch bug nymphs (Colorado, Kansas, Nebraska)		Apply granules at time of cultivation in a band at base of plants or over the row just ahead of cultivator 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 infestations of chinch bugs may not be controlled. Do not make any applications of THIMET after cultivation treatment. Do not feed foliage before grain harvest.
Application Over the Plant	Aphids (Greenbugs) Banks grass mites (excluding Trans Pecos area of Texas)	4.9 lbs. per acre	Broadcast granules into the whorls of the plants by air or ground equipment.	Make only one application after plant emergence. Do not apply within 28 days of harvest.

CROPS (Continued)

Crop	Pests Controlled	Rate of THIMET 20-G (See chart below for rate/acre conversion)	Application	Remarks
SOYBEANS	For the early season control of Mexican bean beetle and leafhoppers	9 ozs. per 1,000 ft. of row for any row spacing (minimum 30-inch row spacing)	Distribute the granules evenly in the row to the side of the seed at planting time.	Do not place THIMET granules in direct contact with the seed. Do not feed the foliage of treated soybeans. Crop injury may result when preplant incorporated or pre-emergence applications of metribuzine herbicides are used in conjunction with this product or other soil-applied organophosphate pesticides.
	Seedcorn maggots	9 ozs. per 1,000 ft. of row for any row spacing (minimum 30-inch row spacing)	Distribute the granules evenly in the row to the side of the seed at planting time, or place granules in a 7" band over the row directly behind the planter shoe in front of the press wheel.	
SUGAR BEETS	Aphids, beet root maggots, leafhoppers, mites, leaf miners	4.5 ozs. per 1,000 ft. of row for any row spacing (minimum 20-inch spacing)	Application should be made by drilling or broadcast at seeding time.	Do not place THIMET granules in direct contact with the seed. Do not apply within 30 days of harvest. Do not feed sugar beet tops or silage to dairy cattle. Consult your state experiment station or state extension service for proper timing of application in your area.
	Mites, aphids	4.9-7.5 lbs. per acre	Apply to foliage when plants are dry. Use the higher rate to dense foliage for good coverage. Foliar application by air may be used for aphid control when wet soil prohibits ground application.	

(Continued)

Crop	Pests Controlled	Rate of THIMET 25-G (See chart below for rate per acre version)	Application	Remarks
SUGAR CANE (Florida)	Wireworms	19.5 lbs. per acre	Apply in a 10-12-inch band directly on the seed piece and surrounding soil in the open furrow immediately before covering.	
TOMATOES (Grown in the Southeastern United States)	Leaf miners	11.3 ozs. per 1,000 ft. of row for any row spacing (minimum 38-inch spacing)	Apply the granules in the fertilizer band on either side of the row at seeding time or when plants are transplanted in the field.	Do not apply THIMET granules in direct contact with the seed.
WHEAT Application at Planting Time	Grasshoppers Aphids (Western and North Central States only) Hessian fly	1.2 ozs. per 1,000 ft. of row for any row spacing (minimum 8-inch spacing)	Apply the granules in the seed furrow at planting time.	Do not feed or graze foliage within 45 days of treatment. Do not make any later application after planting time treatment.
Application Over the Plant	Aphids (Western States only)	4.9 lbs. per acre	Broadcast the granules evenly over the field by air equipment when aphids first appear.	Do not apply over plants if application was made at planting time. Do not make more than one application over the plants. Do not apply within 70 days of harvest of grain. Do not feed or graze foliage within 28 days of treatment.

TYPICAL APPLICATION RATES FOR VARIOUS ROW SPACINGS

Rate Oz. 1,000 Ft. of Row

	1.2 oz.	3 oz.	4.5 oz.	6 oz.	7 oz.	10 oz.	11 oz.	14 oz.	16 oz.	18 oz.
40"			3.7	4.9	6.5	8.2	9.8	11.4	13.1	14.7
38"			3.9	5.2	6.9	8.6	10.3	12.0	13.7	15.5
36"			4.1	5.4	7.3	9.1	10.9	12.7	14.5	16.3
34"			4.3	5.8	7.7	9.6	11.5	13.5	15.4	17.3
32"			4.6	6.1	8.2	10.2	12.2	14.3	16.3	18.4
30"			4.9	6.5	8.7	10.9	13.1	15.2	17.4	19.6
26"			5.7	7.5	10.0	12.6	15.1	17.6	20.1	22.6
24"			6.1	8.1	10.8	13.6	16.3	19.1	21.9	24.5
20"		4.9								
18"		5.4								
16"		6.1								
12"		8.2								
8"	4.9	12.2								
6"	6.5	16.3								

EQUIVALENT POUNDS PER ACRE

ROW WIDTH

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./1000 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 SETTING ¹						
Applicator	At 5 MPH			At 7 MPH		
	4.5 oz.	6.0 oz.	9.0 oz.	4.5 oz.	6.0 oz.	9.0 oz.
New Gandy	15	18	22	18	21	25
New Noble	8	9	11	8	11	14
Old Noble	8	11	16	12	15	22
International Harvester	1/5	1/7	2/1	1/7	2/0	2/8
New John Deere	6	11	20	13	19	26
Newest John Deere ²	9	11	14	11	13	17
Old John Deere	1/23	1/26	2/3	1/26	1/32	2/14
Allis Chalmers	4	5	7	4	5	7

¹ Suggested starting point only.

² Aluminum funnel.

THIMET 20-G

soil and systemic insecticide

Supplemental Labeling

EPA Reg. No. 241-257-AA

DIRECTIONS FOR USE IN FIELD CORN

BEFORE USING, READ PRECAUTIONARY STATEMENTS ON BAG LABEL

This label must be in the possession of the user at time of pesticide application.

All applicable directions, restrictions, and precautions on the bag label must be followed.

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Crop	Pests Controlled	Rate THIMET 20-G	Application	Remarks
FIELD CORN At Planting Time	Fleabeetles	6.5 oz. per 1,555 ft. of row for any row spacing (minimum 36-inch spacing).	Place granules in a 7-inch band over the row directly behind the planter shoe in front of the press wheel.	Do not place THIMET granules in direct contact with seed. One additional application can be applied at cultivation OR over corn later in the season.



American Cyanamid Company
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