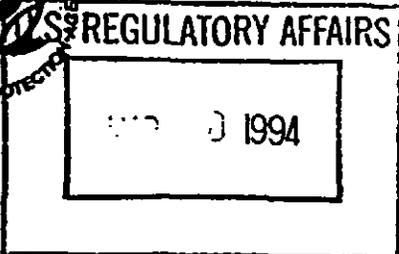




UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGULATORY AFFAIRS

WASHINGTON, D.C. 20460



MAR 4 1994

John J. Arthur
AMERICAN CYANAMID COMPANY
AGRI RESEARCH DIV - U.S. REGULATORY AFFA
P. O. Box 400
Princeton, NJ 08543

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 08/25/93 in Response to PR Notice 93-7
EPA Reg. No. 241-145
THIMET 15-G SOIL AND SYSTEMIC INSECTICIDE

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.

BEST AVAILABLE COPY



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

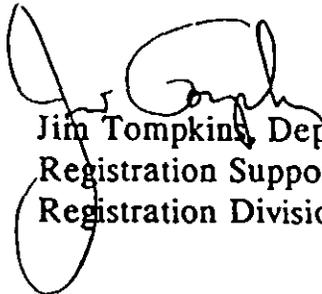
Submit the final printed labeling via the U.S. Postal Service to:

**Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001**

Hand or courier deliveries of final printed labeling may be made to:

**Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202**

Sincerely,



**Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)**

Attachment

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division

John J. Arthur
AMERICAN CYANAMID COMPANY
AGRI RESEARCH DIV - U.S. REGULATORY AFFA
BOX 400
PRINCETON NJ 08543

Comment for: EPA Reg Nr.241-145
THIMET 15-G SOIL AND SYSTEMIC INSECTICIDE

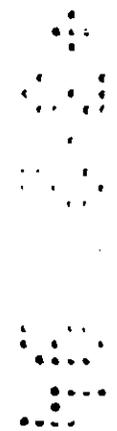
The following specific comments pertain to your WPS
labeling submission concerning the product
cited above:

The glove requirement for "applicators and other handlers" in the
"Personal Protective Equipment" section on your proposed labeling
is incorrect. Remove the incorrect requirement and add
"Waterproof gloves". The exact location is shown in Sections A
and B on Part 1 of the Product Worksheet in Supplement Three-A to
PR Notice 93-7.

The glove requirement for early entry in the Agr. Use
Requirements box on your proposed labeling is incorrect. Remove
the incorrect requirement and add "Waterproof gloves". The exact
location is shown in Sections A and B on Part 1 of the Product
Worksheet in Supplement Three-A to PR Notice 93-7.

Delete the crossed-out statements on your proposed label. They
are redundant statements or phrases.

Correct the typographical errors circled on your proposed label.



4 9 20

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.

American Cyanamid Company endorses Certification to promote the responsible use of pesticides to insure the protection of man and the environment.

THIMET® 15-G
soil and systemic insecticide

Active Ingredient:

Phorate: 0,0-diethyl S-[(ethylthio) methyl] phosphorodithioate	15.0%
Inert Ingredients:	85.0%
	<hr/>
Total	100.0%

EPA Reg. No. 241-145

KEEP OUT OF REACH OF CHILDREN

DANGER/PELIGRO!



POISON



ACCEPTED
with COMMENTS
In EPA Letter Dated
MAR 4 1994

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
241-145

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.

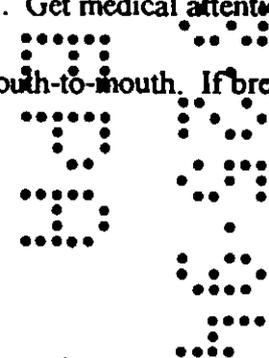
If swallowed, drink one or two glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Avoid alcohol. Get medical attention.

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.



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.

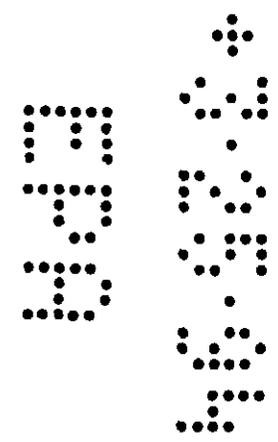
See Back Panel For Additional Precautionary Statements

IN CASE OF AN EMERGENCY ENDANGERING LIFE OR PROPERTY INVOLVING THIS PRODUCT, CALL COLLECT, DAY OR NIGHT, AREA CODE 201-835-3100.

SOLD BY
American Cyanamid Company
Agricultural Division
Crop Protection Chemicals Department
Wayne, NJ 07470 ©1990

Net Weight: 50 lbs.
22.68 kg.

®Registered Trademark of American Cyanamid Company



BEST AVAILABLE COPY

6 7 20

**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 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.

Do Not Contaminate Food or Feed Products

Once a bag 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 return 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,
- chemical-resistant gloves such as nitrile or neoprene rubber,
- chemical-resistant footwear plus socks,
- protective eye wear,
- chemical-resistant headgear for overhead exposure, *mixing*
- chemical-resistant apron when cleaning equipment *or loading*, and
- a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides

BEST AVAILABLE COPY

(MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).

Use on
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.

~~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.~~ *delete*

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 wetlands (swamps, bogs, marshes, and pot-holes). 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 wash waters.

BEST AVAILABLE COPY

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.

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. The REI is 72 hours in outdoor areas where average 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 nitrile or neoprene rubber,
- 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 bags.

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.

9 8 20

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.

BEST AVAILABLE COPY

10 7 20

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 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.

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 risk referred to above. **CYANAMID 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 FROM A PARTICULAR PURPOSE.**

BUYER'S EXCLUSIVE REMEDY AND AMERICAN CYANAMID COMPANY'S LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THIMET 15-G. In no case shall Cyanamid 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 15-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.

BEST AVAILABLE COPY

11 9 20

CROPS

Crop	Pests Controlled	Rate of THIMET 15-G	Application	Remarks
BEANS At Planting	Mexican bean beetles	6.5-12.5 ozs. per 1,000 ft. of row for any row (minimum 30-inch spacing) or no more than 13.6 lb/A	Drill granules to the side of the seed	Do not place THIMET 15-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	6.0-9.3 ozs. per 1,000 ft. of row for any row spacing (minimum 30-inch spacing) or no more than 10.1 lb/A		
	Seedcorn maggots		Apply granules in a band over the row	

BEST AVAILABLE COPY

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

At Planting

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

8 ozs. per 1,000 ft. of row
for any row spacing
(minimum 30-inch row
spacing) or no more than
8.7 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 15-G.

Applications of Accent
herbicide or Beacon
herbicide following
applications of
THIMET 15-G may
result in temporary crop
injury.

**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 15-G after
cultivation treatment.

Do not harvest within
30 days of last
treatment.

BEST AVAILABLE COPY

**FIELD
CORN**
(excluding
sweet and
popcorn)

Chinch bug
nymphs
(Colorado,
Kansas, and
Nebraska)

At Cultivation

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 infestations of
chinch bugs may not be
controlled.

Do not make any
applications of
THIMET 15-G after
cultivation treatment.

Do not harvest within
30 days of last
treatment.

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

Do not apply more than
2 applications per
season.

COTTON
At Planting

Early season
control of:
Thrips
Mites
Leaf miners

4.0 ozs. per 1,000 ft. of
row for any row spacing
(minimum 30-inch
spacing) or no more than
4.4 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. Use
2.0 lbs. THIMET 15-G
per acre for hill-dropped
cotton. 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.

BEST AVAILABLE COPY

Mites	8.0-12.0 ozs. per 1,000 ft.	Distribute the	Recommended for areas
Thrips	of row for any row	granules evenly	requiring an extended
Aphids	spacing (minimum	in the furrow at	period of mite control as
Black cutworms	36 inch spacing) or no	planting time.	well as early season
Leafhoppers	more than 10.9 lb/A	Soil	protection against other
White flies	8.0-10 ozs per 1,000 ft. of	temperature,	cotton pests. The
Leaf miners	row for 30-inch row	moisture and	higher rate is suggested
	spacing or no more than	tilth should be	for heavier soils. Do
	10.9 lb/A	favorable for	not graze or feed treated
		good	hay or forage to
		germination and	livestock.
		emergence.	
		Under adverse	Crop injury may occur
		conditions plant	if applications of diuron
		stand may be	containing herbicides
		affected.	such as Karmex or
			Direx are made in
			conjunction with soil-
			applied organo-
			phosphate pesticides.

COTTON
Side-Dressing
(Irrigated
Cotton Only)

Mites from spring to early summer	12.0-16.0 ozs. per 1,000 ft. of row for any row spacing (minimum 36 inch spacing) or no more than 14.5 lb/A
	12.0-13.3 ozs. per 1,000 ft. of row for 30 inch row spacing or no more than 14.5 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.

Do not apply more than 2 applications per season

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.

BEST AVAILABLE COPY

15. 9 20

PEANUTS

Thrips
Leafhoppers

7.3 ozs. per 1,000 ft. of row for any row spacing (minimum 24-inch spacing) or no more than 9.9 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.

At Planting

PEANUTS

Southern corn rootworms and Leafhoppers

14.6 ozs. per 1,000 ft. of row for any row spacing (minimum 24-inch spacing) or no more than 19.9 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.

Do not apply more than 2 applications per season.

At Pegging

POTATOES

Aphids
Leafhoppers
Leaf miners
Psyllids
Wireworms
Flea beetle larvae and reduction of flea beetle adults.

Light or Sandy Soils
15.0 ozs. per 1,000 ft. of row for any spacing (minimum 32-inch spacing) or no more than 15.3 lb/A

Heavy or Clay Soils
23 ozs. per 1,000 ft. of row for any row spacing (minimum 32-inch spacing) or no more than 23.5 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.

At Planting

BEST AVAILABLE COPY

Colorado potato beetle (early season control)

Heavy or Clay Soils:
23 ozs. per 1,000 ft. of row for any row spacing (minimum 32-inch spacing) or no more than 23.5 lb/A

Do not use for Colorado potato beetle control in the Long Island area of New York and the DelMarva Peninsula.

SORGHUM

At Planting

Greenbugs

8.0 ozs. per 1,000 ft. of row for any row spacing (minimum 30-inch spacing) or no more than 8.7 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 15-G granules in direct contact with seed. A second application of granules may be applied at cultivation later in the season.

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.

Later infestation of chinch bugs may not be controlled.

Do not make any application of THIMET 15-G after cultivation treatment.

Do not feed foliage before grain harvest.

Do not apply within 30 days of harvest.

Do not apply more than 2 applications per season.

BEST AVAILABLE COPY

SOYBEANS

At Planting

For the early season control of:
Mexican bean beetles
Leafhoppers
Lygus bugs
Seedcorn maggots
Thrips
Aphids
Mites

12.0 ozs. per 1,000 ft. of row for any row spacing (minimum 30-inch spacing) or no more than 13.1 lb/A

Drill granules to the side of the seed.

Do not place THIMET 15-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
Leaf miners

6.0 ozs. per 1,000 ft. of row for any row spacing (minimum 20-inch spacing) or no more than 9.8 lb/A

Drill granules to the side of the seed OR place granules in a band over the row.

Do not place THIMET 15-G granules in direct contact with the seed.

Do not apply within 30 days of harvest.

Consult your state experiment station or state extension service for proper timing of application in your area.

BEST AVAILABLE COPY

18 9 20

**SUGAR
BEETS**

Post-
emergence

Mites
Aphids
Beet root
maggots

6.5-10.0 lbs. per acre

Apply to foliage
when plants are
dry. Use the
higher rate on
dense foliage for
good coverage.

Do not apply by air.

Do not apply more than
2 applications per
season.

Do not apply within 30
days of harvest.

Do not broadcast.

Do not feed sugar beet
tops or silage to dairy
cattle.

**SUGAR
CANE
(Florida)**

Wireworms

26.0 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.

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

WHEAT

At Planting

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

1.6 ozs. per 1,000 ft. of
row for any row spacing
(minimum 8-inch spacing)
or no more than 6.5 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.
¹Grasshoppers
controlled in winter
wheat only.

Do not harvest within
70 days of application.

* Accent and Karmex are registered trademarks of E.I. duPont deNemours and Company.
** Beacon is a registered trademark of Ciba Geigy Corporation.
*** Direx is a registered trademark of Griffin Ag Product Co. Inc.

BEST AVAILABLE COPY

14 7 20

USE RATES AS POUNDS PER ACRES

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

	<u>1.6</u>	<u>4.0</u>	<u>6.0</u>	<u>6.5</u>	<u>7.3</u>	<u>8.0</u>	<u>9.3</u>	<u>10.0</u>	<u>12.0</u>	<u>12.5</u>	<u>13.3</u>	<u>14.6</u>	<u>15.0</u>	<u>16.0</u>	<u>23.0</u>
40"		3.3	4.9	5.3	6.0	6.5	7.6	8.2	9.8	10.2	10.9	11.9	12.3	13.1	18.8
38"		3.4	5.2	5.6	6.3	6.9	8.0	8.5	10.3	10.7	11.4	12.6	12.9	13.8	19.8
36"		3.6	5.4	5.9	6.6	7.3	8.4	9.1	10.9	11.3	12.1	13.2	13.6	14.5	20.9
34"		3.8	5.8	6.2	7.0	7.7	8.9	9.6	11.5	12.0	12.8	14.0	14.4	15.4	22.1
32"		4.1	6.1	6.6	7.5	8.2	9.5	10.2	12.3	12.8	13.6	14.9	15.3	16.3	23.5
30"		4.3	6.5	7.1	8.0	8.7	10.1	10.9	13.1	13.6	14.5	15.9	16.3	17.4	
26"		5.0	7.5	8.2	9.2	10.1	11.7	12.6	15.1	15.7	16.7	18.3	18.8		
24"		5.4	8.2	8.8	9.9	10.9	12.7	13.6	16.3	17.0	18.1	19.9			
22"		5.9	8.9	9.7											
20"	2.6	6.5	9.8												
16"	3.3														
12"	4.4														
8"	6.5														

BEST AVAILABLE COPY

20 7 20

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. 1,000 ft. of row.

NOTE: The settings in this table **SHOULD ONLY BE USED AS STARTING POINTS**. Continually check the amount of THIMET 15-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 (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

¹ Suggested starting point only.

BEST AVAILABLE COPY

PM 14 241-145

File
10/19



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

MAR 4 1994

John J. Arthur
AMERICAN CYANAMID COMPANY
AGRI RESEARCH DIV - U.S. REGULATORY AFFA
P. O. Box 400
Princeton, NJ 08543

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

**Subject: Label Amendment Submission of 08/25/93 in Response to PR Notice 93-7
EPA Reg. No. 241-145
THIMET 15-G SOIL AND SYSTEMIC INSECTICIDE**

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with Soy/Candle Ink on paper that
contains at least 50% recycled fiber

2019

Page 2

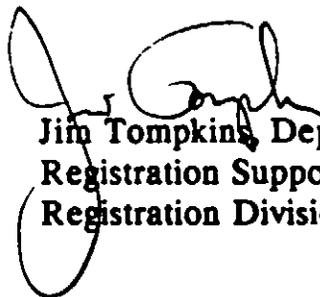
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

3019

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.

American Cyanamid Company endorses Certification to promote the responsible use of pesticides to insure the protection of man and the environment.

THIMET® 15-G
soil and systemic insecticide

Active Ingredient:

Phorate: 0,0-diethyl S-[(ethylthio) methyl] phosphorodithioate	15.0%
Inert Ingredients:	85.0%
	100.0%

Total

EPA Reg. No. 241-145

KEEP OUT OF REACH OF CHILDREN
DANGER/PELIGRO!



ACCEPTED
with COMMENTS
In EPA Letter Dated
MAR 4 1994
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
241-145

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.

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.

See Back Panel For Additional Precautionary Statements

IN CASE OF AN EMERGENCY ENDANGERING LIFE OR PROPERTY INVOLVING THIS PRODUCT, CALL COLLECT, DAY OR NIGHT, AREA CODE 201-835-3100.

SOLD BY
American Cyanamid Company
Agricultural Division
Crop Protection Chemicals Department
Wayne, NJ 07470 ©1990

Net Weight: 50 lbs.
22.68 kg.

®Registered Trademark of American Cyanamid Company

**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 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.

Do Not Contaminate Food or Feed Products

Once a bag 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 return 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,
- chemical-resistant gloves such as nitrile or neoprene rubber,
- chemical-resistant footwear plus socks,
- protective eye wear,
- chemical-resistant headgear for overhead exposure, *mixing*
- 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).

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.

~~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.~~ *delete*

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 wetlands (swamps, bogs, marshes, and pot-holes). 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 wash waters.

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.

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. The REI is 72 hours in outdoor areas where average 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 nitrile or neoprene rubber,
- 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 bags.

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.

98119

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 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.

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 risk referred to above. **CYANAMID 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 FROM A PARTICULAR PURPOSE.**

BUYER'S EXCLUSIVE REMEDY AND AMERICAN CYANAMID COMPANY'S LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THIMET 15-G. In no case shall Cyanamid 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 15-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.

BEST AVAILABLE COPY

10/19

CROPS

Crop	Pests Controlled	Rate of THIMET 15-G	Application	Remarks
BEANS At Planting	Mexican bean beetles	6.5-12.5 ozs. per 1,000 ft. of row for any row (minimum 30-inch spacing) or no more than 13.6 lb/A	Drill granules to the side of the seed	Do not place THIMET 15-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	6.0-9.3 ozs. per 1,000 ft. of row for any row spacing (minimum 30-inch spacing) or no more than 10.1 lb/A		
	Seedcorn maggots		Apply granules in a band over the row	

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

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

8 ozs. per 1,000 ft. of row
for any row spacing
(minimum 30-inch row
spacing) or no more than
8.7 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.

At Planting

For field corn:
Accent* herbicide and
Beacon** herbicide may
be applied after
BANDED applications
of THIMET 15-G.

Applications of Accent
herbicide or Beacon
herbicide following
applications of
THIMET 15-G may
result in temporary crop
injury.

**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 15-G after
cultivation treatment.

At Cultivation

Do not harvest within
30 days of last
treatment.

**FIELD
CORN**
(excluding
sweet and
popcorn)

Chinch bug
nymphs
(Colorado,
Kansas, and
Nebraska)

At Cultivation

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 infestations of
chinch bugs may not be
controlled.

Do not make any
applications of
THIMET 15-G after
cultivation treatment.

Do not harvest within
30 days of last
treatment.

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

Do not apply more than
2 applications per
season.

COTTON

At Planting

Early season
control of:
Thrips
Mites
Leaf miners

4.0 ozs. per 1,000 ft. of
row for any row spacing
(minimum 30-inch
spacing) or no more than
4.4 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. Use
2.0 lbs. THIMET 15-G
per acre for hill-dropped
cotton. 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.

Mites	8.0-12.0 ozs. per 1,000 ft.	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.
Thrips	of row for any row		
Aphids	spacing (minimum		
Black cutworms	36 inch spacing) or no		
Leafhoppers	more than 10.9 lb/A		
White flies	8.0-10 ozs per 1,000 ft. of		
Leaf miners	row for 30-inch row spacing or no more than 10.9 lb/A		

COTTON	Mites from spring to early summer	12.0-16.0 ozs; per 1,000 ft. of row for any row spacing (minimum 36 inch spacing) or no more than 14.5 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.
	Side-Dressing (Irrigated Cotton Only)	12.0-13.3 ozs. per 1,000 ft. of row for 30 inch row spacing or no more than 14.5 lb/A		
				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.

PEANUTS At Planting	Thrips Leafhoppers	7.3 ozs. per 1,000 ft. of row for any row spacing (minimum 24-inch spacing) or no more than 9.9 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.
--------------------------------------	-----------------------	--	--	---

PEANUTS At Pegging	Southern corn rootworms and Leafhoppers	14.6 ozs. per 1,000 ft. of row for any row spacing (minimum 24-inch spacing) or no more than 19.9 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. Do not apply more than 2 applications per season.
-------------------------------------	---	--	---	--

POTATOES At Planting	Aphids Leafhoppers Leaf miners Psyllids Wireworms Flea beetle larvae and reduction of flea beetle adults.	Light or Sandy Soils 15.0 ozs. per 1,000 ft. of row for any spacing (minimum 32-inch spacing) or no more than 15.3 lb/A Heavy or Clay Soils 23 ozs. per 1,000 ft. of row for any row spacing (minimum 32-inch spacing) or no more than 23.5 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: 23 ozs. per 1,000 ft. of row for any row spacing (minimum 32-inch spacing) or no more than 23.5 lb/A	Do not use for Colorado potato beetle control in the Long Island area of New York and the DelMarva Peninsula.
--	---	--	---

SORGHUM	Greenbugs	8.0 ozs. per 1,000 ft. of row for any row spacing (minimum 30-inch spacing) or no more than 8.7 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 15-G granules in direct contact with seed. A second application of granules may be applied at cultivation later in the season.
At Planting				

SORGHUM	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.	Later infestation of chinch bugs may not be controlled. Do not make any application of THIMET 15-G after cultivation treatment. Do not feed foliage before grain harvest. Do not apply within 30 days of harvest. Do not apply more than 2 applications per season.
At Cultivation				

SOYBEANS

At Planting

For the early season control of:
Mexican bean beetles
Leafhoppers
Lygus bugs
Seedcorn maggots
Thrips
Aphids
Mites

Seedcorn maggots

12.0 ozs. per 1,000 ft. of row for any row spacing (minimum 30-inch spacing) or no more than 13.1 lb/A

Drill granules to the side of the seed.

Place granules in a 7-inch band over the row directly behind the planter shoe and in front of the press wheel.

Do not place THIMET 15-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.

SUGAR BEETS

At Planting

Aphids
Beet root maggots
Leafhoppers
Mites
Leaf miners

6.0 ozs. per 1,000 ft. of row for any row spacing (minimum 20-inch spacing) or no more than 9.8 lb/A

Drill granules to the side of the seed OR place granules in a band over the row.

Do not place THIMET 15-G granules in direct contact with the seed.

Do not apply within 30 days of harvest.

Consult your state experiment station or state extension service for proper timing of application in your area.

SUGAR BEETS	Mites Aphids Beet root maggots	6.5-10.0 lbs. per acre	Apply to foliage when plants are dry. Use the higher rate on dense foliage for good coverage.	Do not apply by air. Do not apply more than 2 applications per season. Do not apply within 30 days of harvest. Do not broadcast. Do not feed sugar beet tops or silage to dairy cattle.
Post-emergence				
SUGAR CANE (Florida)	Wireworms	26.0 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.	Do not graze or feed treated hay or forage to livestock.
WHEAT	Grasshoppers ¹ Aphids (Western and North Central States only) Hessian fly	1.6 ozs. per 1,000 ft. of row for any row spacing (minimum 8-inch spacing) or no more than 6.5 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. ¹ Grasshoppers controlled in winter wheat only. Do not harvest within 70 days of application.
At Planting				

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

** Beacon is a registered trademark of Ciba Geigy Corporation.

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

USE RATES AS POUNDS PER ACRES

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

	<u>1.6</u>	<u>4.0</u>	<u>6.0</u>	<u>6.5</u>	<u>7.3</u>	<u>8.0</u>	<u>9.3</u>	<u>10.0</u>	<u>12.0</u>	<u>12.5</u>	<u>13.3</u>	<u>14.6</u>	<u>15.0</u>	<u>16.0</u>	<u>23.0</u>
40"		3.3	4.9	5.3	6.0	6.5	7.6	8.2	9.8	10.2	10.9	11.9	12.3	13.1	18.8
38"		3.4	5.2	5.6	6.3	6.9	8.0	8.6	10.3	10.7	11.4	12.6	12.9	13.8	19.8
36"		3.6	5.4	5.9	6.6	7.3	8.4	9.1	10.9	11.3	12.1	13.2	13.6	14.5	20.9
34"		3.8	5.8	6.2	7.0	7.7	8.9	9.6	11.5	12.0	12.8	14.0	14.4	15.4	22.1
32"		4.1	6.1	6.6	7.5	8.2	9.5	10.2	12.3	12.8	13.6	14.9	15.3	16.3	23.5
30"		4.3	6.5	7.1	8.0	8.7	10.1	10.9	13.1	13.6	14.5	15.9	16.3	17.4	
26"		5.0	7.5	8.2	9.2	10.1	11.7	12.6	15.1	15.7	16.7	18.3	18.8		
24"		5.4	8.2	8.8	9.9	10.9	12.7	13.6	16.3	17.0	18.1	19.9			
22"		5.9	8.9	9.7											
20"	2.6	6.5	9.8												
16"	3.3														
12"	4.4														
8"	6.5														

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. 1,000 ft. of row.

NOTE: The settings in this table **SHOULD ONLY BE USED AS STARTING POINTS**. Continually check the amount of THIMET 15-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

<u>Applicator</u>	<u>Planter Speed 5 mph</u>			<u>Planter Speed 7 mph</u>		
	<u>4.5 oz.</u>	<u>6.0 oz.</u>	<u>9.0 oz.</u>	<u>4.5 oz.</u>	<u>6.0 oz.</u>	<u>9.0 oz.</u>
John Deere MaxEmerge 2	14	17	23	17	21	33
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	17	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

¹ Suggested starting point only.