

Reg # 241-145

PM-14

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

JUN 16 1994

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Mr. John J. Arthur
American Cyanamid Company
Agricultural Research Division
P.O. Box 400
Princeton, NJ 08543-0400

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Dear Mr. Arthur:

Subject: Thimet 10G Soil and Insecticide
EPA Registration No. 241-53
Thimet 15G Soil & Systemic Insecticide
EPA Registration No. 241-145
Thimet 20G Soil and Systemic Insecticide
EPA Registration No. 241-257
Labeling Submitted July 30, 1993 As Revised On June 13,
1994 (Deletion of the Proposed Additional States, AR,
LA, MS, OK, TN, and TX From Sorghum At Cultivation

The amendment referred to above, submitted in connection with registration under FIFRA, is acceptable, provided that you:

Submit one copy of your final printed labeling incorporating the following correction(s) before you release the product for shipment.

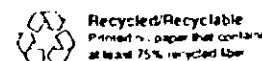
1. Delete the following restriction under the directions for use on sugar beets. This correction was previously recommended in the August 26, 1992 review of reregistration issues conducted by Reregistration Support Chemistry Branch, Health Effects Division.

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

2. Add a statement instructing the user to refer to the labeling for the herbicide products, Accent and Beacon for pertinent use instructions and cautions. Your subject proposed labels state that the herbicides Accent and Beacon may be used after banded applications of the subject phorate products on field corn. Though these herbicide labels do not prohibit such use, they do state that crop injury may result from such use.

3. The subject labeling does not meet the required Worker Protection Standard (WPS) statements as outlined in PR Notices 93-7 and 93-1. We note that you have submitted labels for EPA Reg. No. 241-145 and 241-257 in accordance with the instructions in those Notices and that the submitted WPS labeling was found to

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Recycled/Recyclable
Printed on paper that contains
at least 75% recycled fiber

be acceptable with minor changes to be made at the next printing. The new protective language in those submissions must be incorporated into the subject labels for any shipments released after the deadlines that have been established.

In accordance with your discussion on June 13, 1994 with a member of my staff, the following changes to the WPS labeling accepted for EPA Reg. Nos. 241-145 and 241-257 would be acceptable.

a. Since there is no mixing of the product prior to application, the word, "mixing" may be deleted from the following statement located under the heading "Personal Protective Equipment".

"chemical-resistant apron when cleaning equipment, mixing or loading, and "

b. The following statements which were specified as required labeling in the phorate Reregistration Standard of 1988 may be retained on the labels.

"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."

It is my understanding that EPA Reg. No. 241-53 is not currently being marketed and thus WP labeling has not yet been submitted in accordance with the Guidance For Dormant Products (Supplement B of PR Notice 93-11). As described in this guidance document, such dormant products may not be sold or distributed by registrants (or by any person after October 23, 1995), unless they are brought into compliance with the WPS.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

As stated in our previous letter to you regarding the addition of the restriction against use on Long Island, New York, acceptance of the labeling bearing this restriction does not constitute Agency acceptance of said restriction in lieu of the Del Marva Peninsula and Long Island restriction specified in the Special Review and Reregistration Division(SRRD)'s letter of October 5, 1992. Your letter of February 1, 1993 regarding this issue is currently under evaluation by the SRRD.

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

Sincerely yours,

Robert A. Forrest
Product Manager (14)
Insecticide-Rodenticide Branch
Registration Division (7504C)

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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%

Total

100.0%

EPA Reg. No. 241-145

ACCEPTED
with COMMENTS
by EPA Letter Dated
JUN 16 1994

KEEP OUT OF REACH OF CHILDREN

DANGER/PELIGRO!



POISON



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

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

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. 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. Remove contaminated clothing and shoes. Wash clothing and decontaminate shoes before reuse.

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

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Antidote: Atropine is an antidote.

See Next Page for Additional Precautionary Statements

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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 Products Division
Crop Protection Chemicals Department
Wayne, NJ 07470 ©1990

Net Weight: 50 lbs.
22.68 kg.

®Registered Trademark of American Cyanamid Company

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**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

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.

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 all unprotected persons out of operating areas.

) Do not apply this product in such a manner as to directly or through drift expose workers or other persons.

Keep Out of Reach of Domestic Animals.

Not for Use or Storage in or Around the Home.

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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.

) **REENTRY**

After dusts have settled, do not enter or allow entry into the treated area until the 48 hour reentry interval has expired, unless the person entering the treated area is wearing the personal protective equipment listed below for early reentry.

For early reentry into treated areas wear a protective suit of one or two pieces covering all parts of the body except head, hands, and feet; chemical-resistant gloves and chemical resistant shoes, coverings, or boots.

Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: DANGER. Area treated with THIMET 15-G on (date of application). Do not enter without protective clothing.

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PERSONAL PROTECTIVE EQUIPMENT

WEAR THE FOLLOWING PROTECTIVE CLOTHING DURING LOADING, APPLICATION, EQUIPMENT REPAIR/CLEANING, AND DISPOSAL OF THE PESTICIDE: A protective suit of one or two pieces covering all parts of the body except head, hands, and feet; chemical resistant gloves; chemical resistant shoes, shoe covering, or boots.

Unless a chemical resistant protective suit is otherwise required, mixers/loaders must wear a chemical resistant apron and goggles or a face shield.

IF APPLICATION IS PERFORMED USING AN ENCLOSED CAB OR COCKPIT, THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT MAY BE WORN AS AN ALTERNATE: Long-sleeved shirt and long-legged pants; shoes and socks. Chemical resistant gloves must be available in the cab or cockpit and must be worn when exiting. This clothing is inadequate to protect you during equipment repair or cleaning, reentry, or pesticide disposal work. Do not allow contaminated clothing to come in contact with the insides of the cab.

IMPORTANT! If pesticide comes in contact with skin, wash off with soap and water. Always wash hands, face, and arms with soap and water before smoking, eating, drinking, or using the toilet.

AFTER WORK: Before removing gloves, wash them with soap and water. Take off all work clothes and shoes. Shower using soap and water. Wear clean clothes. Do not reuse contaminated clothing. Personal clothing worn during work must be laundered separately from household articles. Store protective clothing separately from personal clothing. Clean or launder protective clothing after each use. Clothing and protection equipment heavily contaminated must be destroyed according to state and local regulations. **HEAVILY CONTAMINATED CLOTHING CANNOT BE ADEQUATELY DECONTAMINATED.**

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 First Aid section.

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

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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 use this product on any crop on Long Island, New York.

Do not apply this product by air.

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.

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.

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CROPS

Crop	Pests Controlled	Rate of THIMET 15-G	Application	Remarks
BEANS At Planting	Mexican bean beetles	6.5-12.5 oz per 1,000 ft of row for any row spacing (30-inch minimum) 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 oz per 1,000 ft. of row for any row spacing (30-inch minimum) 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 oz per 1,000 ft of row
for any row spacing (30-
inch minimum) 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.

**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.

Apply only one
cultivation treatment
per season.

FIELD CORN (excluding sweet and popcorn)	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 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, graze, or cut for forage within 30 days of last treatment. Apply only one cultivation treatment per season.
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COTTON At Planting	Early season control of: Thrips Mites Leaf miners	4.0 oz per 1,000 ft of row for any row spacing (30-inch minimum) or no more than 4.4 lb/A	Distribute the granules evenly in the furrow at planting time. Soil temperature moisture and tith 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 lb 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.
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Mites Thrips Aphids Black cutworms Leafhoppers White flies Leaf miners	8.0-12.0 oz per 1,000 ft of row for any row spacing (36-inch minimum) or no more than 10.9 lb/A 8.0-10 oz per 1,000 ft. of row for 30-inch row spacing or no more than 10.9 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. 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.
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COTTON Side-Dressing (Irrigated Cotton Only)	Mites from spring to early summer	12.0-16.0 oz per 1,000 ft of row for any row spacing (36-inch minimum) or no more than 14.5 lb/A 12.0-13.3 oz 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. 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 organo-phosphate pesticides.
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PEANUTS At Planting	Thrips Leafhoppers	7.3 oz per 1,000 ft of row for any row spacing (24-inch minimum) 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. A second application of granules may be applied at pegging.
PEANUTS At Pegging	Southern corn rootworms and Leafhoppers	14.6 oz per 1,000 ft. of row for any row spacing (24-inch minimum) 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. Apply only one pegging treatment 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 oz per 1,000 ft of row for any spacing (32-inch minimum) or no more than 15.3 lb/A Heavy or Clay Soils: 23 oz per 1,000 ft of row for any row spacing (32-inch minimum) 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 oz per 1,000 ft of row for any row spacing (32-inch minimum) or no more than 23.5 lb/A

Do not use for Colorado potato beetle control on the DelMarva Peninsula.

SORGHUM
At Planting

Greenbugs

8.0 oz per 1,000 ft of row for any row spacing (30-inch minimum) 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.

SORGHUM
At Cultivation

Chinch bug nymphs (Arkansas, Colorado, Kansas, Louisiana, Mississippi, Nebraska, Oklahoma, Tennessee, Texas)

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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.

Apply only one cultivation treatment per season.

SOYBEANS	<p>For the early season control of: Mexican bean beetles Leafhoppers Lygus bugs Seedcorn maggots Thrips Aphids Mites</p> <hr/> <p>Seedcorn maggots</p>	<p>12.0 oz per 1,000 ft of row for any row spacing (30-inch minimum) or no more than 13.1 lb/A</p>	<p>Drill granules to the side of the seed.</p> <hr/> <p>Place granules in a 7-inch band over the row directly behind the planter shoe and in front of the press wheel.</p>	<p>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.</p>
SUGAR BEETS	<p>Aphids Beet root maggots Leafhoppers Mites Leaf miners</p>	<p>6.0 oz per 1,000 ft of row for any row spacing (20-inch minimum) or no more than 9.8 lb/A</p>	<p>Drill granules to the side of the seed OR place granules in a band over the row.</p>	<p>Do not place THIMET 15-G granules in direct contact with the seed.</p> <p>Do not apply within 30 days of harvest.</p>

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**SUGAR
BEETS**

Post-
emergence

Mites
Aphids
Beet root
maggots

6.5-10.0 lb per acre

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

Apply only one post-
emergence treatment per
season.

Do not apply within 30
days of harvest.

Do not broadcast.

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.

**SUGAR
CANE
(Florida)**

Wireworms

26.0 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

1.6 oz per 1,000 ft of
row for any row
spacing (8-inch
minimum) 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.

Do not harvest within
70 days of application.

¹Grasshoppers
controlled in winter
wheat only.

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- * 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.

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USE RATES AS POUNDS PER ACRE

Row Spacing	Application Rate (oz per 1,000 ft of Row)													
	1.6	4.0	6.0	6.5	7.3	8.0	9.3	10.0	12.0	12.5	13.3	14.6	15.0	16.0
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													

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 (3ft):

$$\frac{(10.0 \text{ oz})(43,5460 \text{ ft}^2/\text{A})}{(1,000 \text{ ft row})(16 \text{ oz/lb})(3 \text{ ft row width})} = 9.075 \text{ lb/A}$$

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 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	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.

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