

MENTS

with eyes, skin and clothing.
Amount of water to drink.
eyes with fresh water for
roughly after handling.
37 ORTHENE is a choline-
esterase inhibitor. Do not
use alone.

not use on crops. Pro-
hibited Exemption Service

inconsistent with its labeling
IN PRECAUTIONARY STATE
AND FEDERAL REGULATIONS

SAL

cleaning of equipment.

chemically reprocessed
in a safe place away

rowers, or bury in a

and alternative procedures

1/2	2 oz.
1	1/10 lb.

rs. Greenhoppers - Apply 1/2 to
ago Looper, Cutworms, Green
and, Soybean Looper, Thrips,
European Corn Borer - Apply
on conditions. Apply in 20 to

100 gals. of water per acre with ground sprayers or in a minimum of 2 gals. by air. Apply at 7 to 10 day intervals or as needed. Begin applications when eggs or insects first appear. Do not apply to snapbeans or dry beans within 14 days of harvest. Lima beans harvested in succulent form may be treated up to the day of harvest. Do not feed treated vines.

CHEERY: Green Peach Aphid - Apply 1/2 to 1 1/2 lbs. per acre. **Beet and Fall Armyworms and Cabbage Looper** - Apply 1 1/2 lbs. per acre. Apply in 50 to 100 gals. water per acre with ground sprayers. Begin applications when eggs or insects appear and repeat at 3 to 10 day intervals as needed to maintain control. Do not apply within 1 day of harvest. Plants should be trimmed (tops removed) before shipping or use. Tops should not be used for food or feed.

COTTON: Armyworms and Cabbage Looper - Apply 1 1/2 lbs. per acre. **Planthoppers (lygids)** - Apply 1/2 to 1 1/2 lbs. per acre. **Flaeshopper** - Apply 1/2 lb. per acre. **Whitefly** - Apply 1/2 to 1 1/2 lbs. per acre. **Thrips** - Apply 2 to 4 oz. per acre. Begin applications when eggs or insects appear and apply as needed to maintain control. **Budworm and tobacco Budworm (Florida, Alabama, Georgia, Arkansas, Louisiana, Mississippi and Texas Only)** - Apply 1/2 lb. per acre in early season under light infestations. Increase the rate to 1 to 1 1/2 lbs. in mid and late season as infestations become moderate to severe. (California and Arizona Only) - Apply 1 1/2 lbs. per acre. Begin applications when budworm and tobacco budworm eggs appear in the field and maintain a 3 to 7 day spray schedule. Apply in 10 to 25 gals. water with ground equipment or in 3 to 10 gals. with aerial equipment in Southern States and in 5 to 10 gals. water with aerial equipment in California and Arizona. Do not apply within 21 days of harvest. Do not feed grain trash to live stock or allow animals to graze on treated areas.

HEAD LETTUCE (Crisphead Type Only) - Green Peach Aphid - Apply 1/2 to 1 1/2 lbs. per acre. **Cabbage Looper and Armyworms** - Apply 1 1/2 lbs. per acre. Apply in 10 to 60 gals. of spray mix by ground as broadcast application or in 5 to 10 gals. of spray mix by air. Apply as necessary to maintain desired control. Do not apply more than 6 1/4 lbs. per acre per season. Do not feed trimmings to livestock or allow animals to graze on treated areas. For spring, summer and early fall crops in all areas and winter crops in Florida and Texas do not apply within 21 days of harvest. For late fall crops in Arizona and winter crops in Arizona and California do not apply within 21 days of harvest except that for crops which germinate from mid-September through November in desert areas, do not apply after first head begins to form.

PEPPER, PEPPERMINT (Except California) Alfalfa Looper, Cutworms, Aphids - Apply 1 1/2 lbs. per acre in 20 to 100 gals. of spray mix by ground or in 5 to 10 gals. of spray mix by air. Begin applications when eggs or insects first appear. Make one repeat application if necessary to maintain control. Do not apply more than twice per season. Do not apply within 14 days of harvest.

SOYBEANS: Greenhoppers - Apply 1/2 to 1 1/2 lbs. per acre. **Soybean Looper, Cabbage Looper, Green Cutworm, Yellowish Green Cutworm, Bean Leaf Beetle, Mexican Bean Beetle** - Apply 1/2 to 1 1/2 lbs. per acre. **Stinkbugs, Armyworms, Threanotated Alfalfa Hopper, Corn Earworm** - Apply 1 to 1 1/2 lbs. per acre. Apply in 10 to 50 gals. of water with ground equipment or in 2 to 10 gals. with aerial equipment. Apply as needed but do not apply within 14 days of harvest. Do not graze or cut vines for hay or forage.

SWEET PEPPERS (Bell Type) - Green Peach Aphid - Apply 1/2 lb. per acre. **European Corn Borer** - Apply 1 to 1 1/2 lbs. per acre. Apply in 25 to 150 gals. water with ground sprayers. Begin applications when eggs or insects appear. Maintain a 7 to 10 day spray schedule until insects have been reduced below economic numbers. Do not apply within 7 days of harvest.

Do not apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption.

NOTE: This product is sold by weight and package is full when packed, but due to fluffy nature this material is inclined to settle.

CONDITIONS OF SALE: 1. Chevron Chemical Company (Chevron) warrants that this material conforms to the chemical description on the label and is reasonably fit for use as directed hereon. Chevron neither makes nor authorizes any agent or representative to make any other warranty of FITNESS or of MERCHANTABILITY, guarantee or representation express or implied concerning this material.

2. Critical and unforeseeable factors beyond Chevron's control prevent it from eliminating all risks in connection with the use of chemicals. Such risks include, but are not limited to, damage to plants and crops to which the material is applied, lack of complete control and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit for the uses stated hereon and even though label directions are followed. Buyer and user acknowledge and assume all risks and liability (except those assumed by Chevron under 1. above) resulting from handling, storage, and use of this material.

Chevron Chemical Company
Ortho Agricultural Chemical Division
San Francisco CA 94119 Richmond CA 94804
R Form 9155-1 Product 5332 Made in U.S.A.
EPA Reg. No. 230-2418-AA



ORTHO

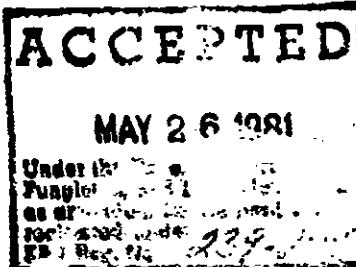
ORTHENE 75 S Soluble Powder

(INSECTICIDE)

Active Ingredient	By Wt.
* Acephate (O,S-Dimethyl acetylphosphoramide-thioate)	75%
Inert Ingredients	25%
* U.S. Pat. No. 3,718,600	

KEEP OUT OF REACH OF CHILDREN
CAUTION
SEE SIDE PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS.

NET WEIGHT 1 POUND





ORTHO ORTHENE[®] 80 Seed Protectant

DOES NOT CONTAIN DYE

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION

Harmful if swallowed. May be irritating to the eyes. Avoid eye or skin contact with the powder or slurry. In case of eye or skin contact, flush with plenty of clear water. If irritation persists, see a physician.

Note to Physicians: Emergency Information - call (415) 233-3737. ORTHENE is a cholinesterase inhibitor. If signs of cholinesterase inhibition appear, atropine is antidotal. 2-PAM may also be used in conjunction with atropine but should not be used alone. Do not use treated seed for human consumption or animal food.

ENVIRONMENTAL HAZARDS

Keep out of lakes, streams and ponds. Dispose of excess treated seeds or wastes by burial away from water supplies. Do not allow treated seed to be exposed on soil surfaces.

DIRECTIONS FOR USE

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

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

STORAGE AND DISPOSAL

PROHIBITIONS

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited. Do not reuse empty container.

STORAGE

Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Store in cool, dry place. Protect from excessive heat. Do not store or transport near feed or food.

PESTICIDE DISPOSAL

Pesticide spray mixture or rinsate that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.

CONTAINER DISPOSAL

Dispose of in an incinerator or landfill approved for pesticide containers, or bury in a safe place.

GENERAL

Consult Federal, State or Local Disposal Authorities for approved alternative procedures such as limited open burning.

Active Ingredient	By Wt.
*Acephate (O, S-Dimethyl-acetylphosphor- amidothioate)	80%
Inert Ingredients	20%
*U.S. Pat. No. 3,716,600	

**KEEP OUT OF REACH OF CHILDREN
CAUTION
SEE SIDE PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS.**

NET WEIGHT 20 POUNDS 153

ACCEPTED

APR 7 1981

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 239-243



ORTHO

ORTHENE[®] 80

Seed Protectant

A SYSTEMIC INSECTICIDE FOR TREATMENT OF COTTON SEEDS
TO HELP REDUCE INJURY TO COTTON SEEDLINGS FROM THRIPS,
COTTON APHIDS, CUTWORMS AND SEED CORN MAGGOT

Active Ingredient	By Wt.
* Acephate (O, S-Dimethyl-methylphosphor- amidothioate)	80%
Inert Ingredient	20%
* U.S. Pat. No. 3,716,600	

KEEP OUT OF REACH OF CHILDREN
CAUTION
SEE SIDE PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS.

ACCEPTED

APR 7 1981

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 239-3434

NET WEIGHT 20 POUNDS 153

USE PRECAUTION

When using formulations that do not contain dye, to comply with 21 CFR Chapter 1, Section 2.5, all seed treated with a pesticide must be colored to distinguish and prevent subsequent inadvertent use as a food for man or feed for animals.

ORTHENE 80 Seed Protectant is a water soluble systemic insecticide which helps to reduce injury to cotton seedlings by several insects.

Thrips and Cotton Aphids:
ORTHENE 80 Seed Protectant gives effective reduction of these pests from emergence to about the 4 to 6 leaf stage.

Black (Greasy) Cutworm (Except California):
ORTHENE 80 Seed Protectant gives effective reduction of Black (Greasy) Cutworm damage from planting through the 3 to 4 leaf stage of development. When planting seed into fields where large cutworms are present (5th instar and larger) economic damage may occur.

Seedcorn Maggot:
ORTHENE 80 Seed Protectant effectively reduces feeding by Seedcorn Maggot on germinating and emerging cotton seedlings.

DIRECTIONS

COTTON SEED Black (Greasy) Cutworm, (Except California), Thrips, Cotton Aphids, Seedcorn Maggot: Use 8 oz per 100 lbs seed. Can be mixed in the slurry tank with most of the fungicide treatments in common use, including ORTHOCIDE 75 Seed Protectant, ORTHOCIDE 4 Flowable Seed Protectant and DIFOLATAN 4 Flowable Seed Protectant. ORTHENE 80 Seed Protectant can also be applied as a separate treatment using enough water to give adequate coverage of the seed. ORTHENE 80 Seed Protectant dissolves quickly in water with a minimum of agitation.

Observe all cautions and limitations on labeling of all products used in mixtures. Treated seed must not be used for or mixed with food or animal feed, or processed for use as seed for other crops. Treated seed should be labeled as follows: "TREATED SEED DO NOT USE FOR FOOD, FEED OR OIL."

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Chevron Chemical Company
Ortho Agricultural Chemicals Division
San Francisco CA 94119 Richmond CA 94804
R Form 9044-E Product 5315 Made in U.S.A.
EPA Reg. No. 239-2434-AA EPA Est. 239-MO-1

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