

# ORTHENE® Tobacco Insect S

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS CAUTION

Harmful if swallowed. Causes eye irritation. Avoid contact with eyes, skin and clothing. Avoid breathing dust or spray mist. If swallowed, give a large amount of water to drink, make person vomit and call a doctor. In case of eye contact, wash eyes with fresh water for 15 minutes. If on skin, wash thoroughly with soap and water. If on clothing, wash thoroughly. If on skin, wash thoroughly. If on clothing, wash thoroughly. If on skin, wash thoroughly. If on clothing, wash thoroughly.

## ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds. Do not apply directly to water or wetlands. Lower or submerge aquatic life. This product is highly toxic to bees exposed to direct treatment or residue on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are making treatment area.

## 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.

## REENTRY RESTRICTIONS

Keep all unprotected persons out of application area or vicinity where there may be drift. Do not enter treated areas without protective clothing until sprays have dried. Caution states may require more restrictive reentry intervals. Consult your State Department of Agriculture for further information. Written or oral warnings regarding use of protective clothing and accidental exposure may be given to workers who are expected to be in treated areas or in areas about to be treated.

## STORAGE AND DISPOSAL

### PROHIBITIONS

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open burning is prohibited.

### STORAGE

Keep pesticide in original container. Do not get concentrate or dilute into food or drink containers. Store in a cool, dry place. Protect from excessive heat. Do not store or transport near food or feed. For help with any spill, leak, fire or exposure involving this material, call day or night 1-800-233-3737.

### PESTICIDE DISPOSAL

Residue resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

### CONTAINER DISPOSAL

Completely empty container into application equipment. Do not reuse container. Dispose of empty container in a sanitary landfill or by incineration, or if allowed by State and local authority, by burning. If burned, stay out of smoke.

## DIRECTIONS

Do not apply this product through any type of irrigation system.

## TRANSPLANT WATER APPLICATION

CROP	PEST	1 LB ORTHENE TOBACCO INSECT SPRAY PER ACRE
Tobacco	Plea Beetle, Green Peach Aphid, Cutworm	1

Provides control of early season flea beetles, green peach aphids and cutworms for approx. 3-4 weeks after transplanting. For later season control of these insects, apply a later spray of ORTHENE Tobacco Insect Spray.

Apply at a maximum of 100 gallons of transplant water per acre. DO NOT APPLY MORE THAN 1 LB ORTHENE TOBACCO INSECT SPRAY PER ACRE AS A TRANSPLANT WATER APPLICATION AS SOME PHYTOTOXICITY MAY OCCUR.

## POLLAR APPLICATION

CROP	PEST	1 LB ORTHENE TOBACCO INSECT SPRAY PER ACRE
Tobacco	Grasshoppers	1 to 1.5
After Care	Green Peach Aphid, Flea Beetle, Hornworm	1
After Care	Budworm, Cabbage Looper, Cutworm	1

Apply in 10 to 50 gals. water per acre with ground equipment or a maximum of 3 gals. per acre by air. Apply at 7 day intervals or as needed. Do not apply within 3 days of harvest. Do not re-enter treated areas until the spray deposit has dried.

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

NOTE: This product is sold by weight and package is full when packed, but due to fully before the 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 herein. Chevron neither makes, nor authorizes any agent or representative to make any other warranty of FITNESS or MERCHANTABILITY, guarantee or representation in respect of or related to this material.

2. Critical and interrelated factors beyond Chevron's control prevent a firm guarantee of results 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 responsibly used for the uses stated herein and even though label directions are followed. Buyer and user acknowledge and assume all risks and liability (except those assumed by Chevron under a label) resulting from handling, storage and use of the material.

## Chevron Chemical Company

Ortho Agricultural Chemicals Division  
San Francisco, CA 94179-1100  
Product 5240 Made in U.S.A.  
Form 8730-1 EPA Reg. No. 229-2419  
EPA Est. 229-CA-1



ORTHO

ORTHENE®

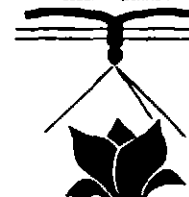
Tobacco Insect Spray

(INSECTICIDE)

TRANSPLANT WATER APPLICATION



POLLAR APPLICATION



Active Ingredient: Acephate (O,S-Dimethyl acetylphosphorothioate) 75%  
Inert Ingredients: 25%  
ORTHENE® Acephate U.S. Pat. No. 3,716,608

KEEP OUT OF REACH OF CHILDREN  
CAUTION

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

NET WEIGHT 16 OUNCES (1 POUND)

BEST AVAILABLE COPY



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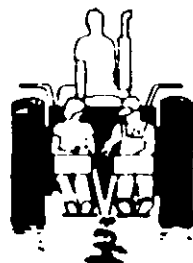
**ORTHO**

**ORTHENE<sup>®</sup>**

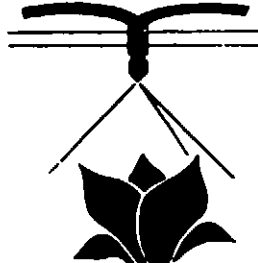
**Tobacco Insect Spray**

**(INSECTICIDE)**

TRANSPLANT WATER APPLICATION



FOLIAR APPLICATION

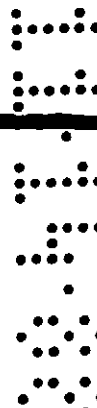


Active Ingredient	By Wt
Orthene 10.5-O-methylacetylcholinesterase inhibitor	75%
Inert Ingredients	25%
*ORTHENE Acephate U.S. Pat. No. 3,716,800	

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

**NET WEIGHT 16 OUNCES (1 POUND)**





# ORTHENE<sup>®</sup> Tobacco Insect Spray

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS & DOMESTIC ANIMALS

#### CAUTION

Harmful if swallowed. Causes eye irritation. Avoid contact with eyes, skin and clothing. Avoid breathing dust or spray mist. Wash hands thoroughly after handling.

**STATEMENT OF PRACTICAL TREATMENT:** If swallowed drink 1 or 2 glasses of water (or milk) and induce vomiting by touching the back of the throat with finger. If possible contact a physician, Poison Control Center, or emergency center before inducing vomiting. Do not induce vomiting or give anything by mouth to an unconscious person. Take person and product container to the nearest emergency treatment center. In case of eye contact, wash eyes with fresh water for 15 minutes. If irritation continues, see a doctor. For skin contact, wash skin with plenty of soap and water. If inhaled, remove person from exposure area. **None to Physicians:** Emergency Information: call (415) 233 3737. Acephate 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.

**WORKER SAFETY:** USE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT DURING MIXING/LOADING, REPAIR AND CLEANING OF MIXING, LOADING AND APPLICATION EQUIPMENT, AND DISPOSAL OF THE PESTICIDE AND AREAS FOR WHICH A REENTRY INTERVAL HAS BEEN ESTABLISHED: EARLY REENTRY INTO TREATED AREAS: chemical-resistant gloves, long sleeved shirt, long legged pants, shoes and socks. If over head exposure is likely, such as during flagging, wear a hood or wide brimmed hat. **WORK SAFETY:** Always wash hands, face and arms with soap and water before smoking, eating, drinking or toileting. **AFTERWORK:** Before removing gloves, wash them with soap and water. Take off all work clothes and shoes. Shower using soap and water. Wear only clean clothes when leaving job. Do not wear contaminated clothing. Personal and protective clothing worn during work must be laundered separately from household articles. Store protective clothing after each use.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to birds. Do not apply directly to water or wetlands. Cover or soil incorporate spills. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

## 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.**

### REENTRY STATEMENT

Keep all unprotected persons out of operating areas or vicinity where there may be drift.

Do not enter treated areas without protective clothing until sprays have dried.

Certain states may require more restrictive reentry intervals. Consult your State Department of Agriculture for more information.

Written or oral warnings regarding use of protective clothing and accidental exposure must be given to workers who are expected to be in treated areas or in areas about to be treated.

## STORAGE AND DISPOSAL

**PROHIBITIONS:** Do not contaminate water, food, or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited.

**STORAGE:** Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Store in a cool, dry place. Protect from excessive heat. Do not store or transport near feed or food. For help with any spill, leak, fire or exposure involving this material, call day or night (415) 233 3737.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Completely empty canister into application equipment. Do not reuse canister. Dispose of empty canister in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

## DIRECTIONS

Do not apply this product through any type of irrigation system.

### TRANSPLANT WATER APPLICATION

CROP	PEST	LBS ORTHENE TOBACCO INSECT SPRAY PER ACRE
Tobacco	Flea Beetle, Green Peach Aphid, Cutworm	1

Provides control of early season flea beetles, green peach aphids and cutworms for approximately 3-4 weeks after transplanting. For later season control of these insects, apply a foliar spray of ORTHENE Tobacco Insect Spray.

Apply in a minimum of 100 gallons of transplant water per acre. **DO NOT APPLY MORE THAN 1 LB ORTHENE TOBACCO INSECT SPRAY PER ACRE AS A TRANSPLANT WATER APPLICATION AS SOME PHYTOTOXICITY MAY OCCUR.**

### FOLIAR APPLICATION

CROP	PEST	LBS ORTHENE TOBACCO INSECT SPRAY PER ACRE
Tobacco (Flue Cured)	Grasshoppers	to 2
Air Cured	Green Peach Aphid, Flea Beetle, Hornworm	1
Dark Fire Cured	Budworm, Cabbage Looper, Cutworm	1

Apply in 10 to 50 gals. water per acre with ground equipment or a 1/2" nozzle of 3 gals. per acre by air. Apply on a 7 day schedule or as needed. Do not apply within 14 days of harvest. Do not re-enter sprayed areas until the spray deposit has dried.

### PLANT BED APPLICATION

CROP	PEST	LBS ORTHENE TOBACCO INSECT SPRAY PER ACRE
Tobacco Bed Treatment	Flea Beetle, Cutworm, Green Peach Aphid	1

Apply to foliage at the equivalent of 1 Tablespoon in 1 gal. of water per every 1000 sq ft of bed. Apply evenly to insure thorough coverage.

### SOIL APPLICATION

CROP	PEST	AMOUNT ORTHENE TOBACCO INSECT SPRAY
Tobacco	Imported Fire Ants	<b>Mound Treatment - Dry Method:</b> Evenly distribute 1 to 2 teaspoons over the mound. <b>Branch Method:</b> Mix 1 oz. in 5 gals. of water. Apply 1 gal. of mix to each mound area by sprinkling the mix and until it is wet and treat a four (4) foot diameter circle around the mound.

For best results apply the material in the early morning or late afternoon when the ants are most active. Applications made under prolonged hot and dry conditions are ineffective due to the location of the ants deep within the nest. Treat maximum of 100 mounds per acre. Do not treat more than once per season. Do not apply within 3 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 consumption.

**NOTE:** This material is contained in a paper package is full when packed, but due to fluffy nature the 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 of insects caused by drift to other plants or crops. Such risks occur even though the user follows the uses stated hereon and even though label directions are followed. Chevron neither acknowledges nor assumes any liability for such risks, and the user hereby acknowledges and assumes all risks and liability (except those assumed above) resulting from handling, storage, and use of this material.

Chevron Chemical Company © 1988

Ortho Agricultural Chemicals Division/San Francisco CA 94120-4144

R Form 8730 V Product 5240 Made in U.S.A.

EPA Reg. No. 235 2419 EPA Est. 235 CA 1

**BEST AVAILABLE COPY**





**ORTHO**

**NOT REVIEWED**  
In Accordance with PR Notice 82-2.  
Based on Draft Labeling Dated 12/5/88

# ORTHENE<sup>®</sup>

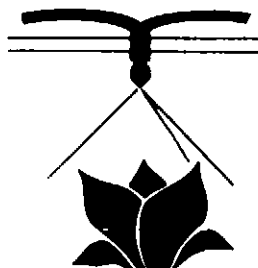
## Tobacco Insect Spray

(INSECTICIDE)

TRANSPLANT WATER APPLICATION



FOLIAR APPLICATION



Active Ingredient

\*Acephate (O,S-Dimethyl acetylphosphoramide thioate)

Inert Ingredients

\*ORTHENE<sup>®</sup> Acephate U.S. Pat No 3,716,600

By Wt

75%

25%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

**NET WEIGHT 16 OUNCES (1 POUND)**



# ORTHENE® Tobacco Insect Spray

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS & DOMESTIC ANIMALS

#### CAUTION

Harmful if swallowed. Causes eye irritation. Avoid contact with eyes, skin and clothing. Avoid breathing dust or spray mist. Wash hands thoroughly after handling.

**STATEMENT OF PRACTICAL TREATMENT:** If swallowed drink 1 or 2 glasses of water (or milk) and induce vomiting by touching the back of the throat with finger. If possible contact a physician, Poison Control Center, or emergency center before inducing vomiting. Do not induce vomiting or give anything by mouth to an unconscious person. Take person and product container to the nearest emergency treatment center. In case of eye contact, wash eyes with fresh water for 15 minutes. If irritation continues, see a doctor. For skin contact, wash skin with plenty of soap and water. If inhaled, remove person from exposure area. **Note to Physicians:** Emergency information — call (415) 233-3737. Acephate 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.

**WORKER SAFETY: USE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT DURING MIXING, LOADING, REPAIR AND CLEANING OF MIXING, LOADING AND APPLICATION EQUIPMENT, AND DISPOSAL OF THE PESTICIDE AND AREAS (for which a reentry interval has been established) EARLY REENTRY INTO TREATED AREAS:** chemical-resistant gloves, long sleeved shirt, long legged pants, shoes and socks. If over-board exposure is likely, such as during flagging, wear a hood or wide brimmed hat. **WORK SAFETY:** Always wash hands, face and arms with soap and water before smoking, eating, drinking or sleeping. **AFTER WORK:** Before removing gloves, wash them with soap and water. Take off all work clothes and shoes. Shower using soap and water. Wear only clean clothes when leaving job. Do not wear contaminated clothing. Personal and protective clothing worn during work must be laundered separately from household articles. Store protective clothing after each use.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to birds. Do not apply directly to water or wetlands. Cover or soil-incorporate spills. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

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## STORAGE AND DISPOSAL

**PROHIBITIONS:** Do not contaminate water, food, or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited.

**STORAGE:** Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Store in a cool, dry place. Protect from excessive heat. Do not store or transport near food or feed. For help with any spill, leak, fire or exposure involving this material, call day or night (415) 233-3737.

Overboard or in an approved waste disposal facility.

**CONTAINER DISPOSAL:** Completely empty canister into application equipment. Do not reuse container. Dispose of empty canister in a sanitary landfill or by incineration, or if allowed, by State and local authorities, by burning. If burned, stay out of smoke.

## DIRECTIONS

Do not apply this product through any type of irrigation system.

### TRANSPLANT WATER APPLICATION

CROP	PEST	LBS. ORTHENE INSECT 8
Tobacco	Fla. Beetle, Green Peach Aphid, Tobacco Aphid, Cutworm	

Provides control of early season flea beetles, green peach aphids, tobacco for approximately 3-4 weeks after transplanting. For later season control of a foliar spray of ORTHENE Tobacco Insect Spray.

Apply in a minimum of 100 gallons of transplant water per acre. DO NOT APPLY MORE THAN 1 LB. ORTHENE TOBACCO INSECT SPRAY PER PLANT WATER APPLICATION AS SOME PHYTOTOXICITY MAY OCCUR.

### FOLIAR APPLICATION

CROP	PEST	LBS. ORTHENE INSECT 8
Tobacco (Flue Cured, Air Cured, Dark Fire-Cured)	Grasshoppers, Green Peach Aphid, Tobacco Aphid, Flea Beetle, Hornworm, Budworm, Cabbage Looper, Cutworm	

Apply in 10 to 50 gals. water per acre with ground equipment or a minimum air. Apply on a 7 day schedule or as needed. Do not apply within 3 days of harvest. Do not spray areas until the spray deposit has dried.

### PLANT BED APPLICATION

CROP	PEST	LBS. ORTHENE INSECT 8
Tobacco Bed Treatment	Flea Beetle, Green Peach Aphid, Tobacco Aphid, Cutworm	

Apply to foliage at the equivalent of 1 Tablespoon in 1 gal of water per bed. Apply evenly to insure thorough coverage.

### SOIL APPLICATION

CROP	PEST	AMOUNT ORTHENE TOBACCO
Tobacco	Imported Fire Ants	Mound Treatment — Dry Method: 2 teaspoons over the mound 1 or in 5 gals. of water. Apply mound area by sprinkling the and treat a four (4) foot diameter mound.

For best results apply the material in the early morning or late afternoon, most active. Applications made under prolonged hot and dry conditions may to the location of the ants deep within the nest. Treat maximum of 13 nests not more than once per season. Do not apply within 3 days of harvest.

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

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

**CONDITIONS OF SALE:** 1. Chevron Chemical Company (Chevron) warrants that the chemical description on the label and is reasonably true hereon. Chevron neither makes, nor authorizes any agent or representative warranty of FITNESS or of MERCHANTABILITY, guarantee or representation concerning this material.

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

Chevron Chemical Company © 1985

Ortho Agricultural Chemicals Division/San Francisco CA 94120-7

R Form 8730-W Product 5248 Made in U.S.A.

EPA Reg. No. 239-2419 EPA Est. 239-CA-1



# ORTHENE

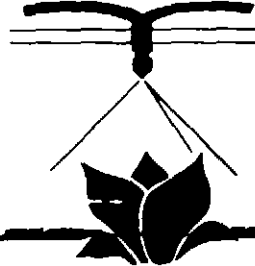
## Tobacco Insect Spray

(INSECTICIDE)

TRANSPLANT WATER APPLICATION



FOLIAR APPLICATION



Active Ingredient

\*Acephate (O,S Dimethyl acetylphosphoramidothioate)

Inert Ingredients

\*ORTHENE® Acephate U.S. Pat. No. 3,716,600

By Wt

75%

25%

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

**NET WEIGHT 16 OUNCES (1 POUND)**

