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**Silver Spotted Skipper
(except CA)**

1 lb.



ORTHO

ORTHENE®
75 S Soluble Powder

(INSECTICIDE)

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

Active ingredient
*Acetophenone 10 S 0.001% acetophenone
*Orthene 75 S 0.001% acetophenone
*Orthene 75 S 0.001% acetophenone
U.S. Pat. No. 3,716,680

By Wt.
75%
25%

Chemical Company, Inc.
O the Agriculture Chemical Division
San Francisco, CA 94103
R Form 10782 L Product 5332 Made in U.S.A.
CPA Reg. No. 229 2418 AA

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. Do not allow children or pets to come into contact with treated areas with sprays have dried. **STATEMENT OF PRACTICAL TREATMENT:** If swallowed, drink 1 or 2 glasses of water for mild 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. Breathe fresh air. If symptoms appear, atropine is antidote. 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 overhead exposure is likely, such as during tagging, wear a hat or wide brimmed hat. **WORK SAFETY:** Always wash hands, face and arms with soap and water before eating, drinking or smoking. **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 separately from personal clothing. Clean or launder protective clothing at each use. **ENVIRONMENTAL HAZARDS:** This pesticide is toxic to birds. Applications may adversely affect bees in reentry treatment areas. Do not apply directly to water or wetlands. Cover or incorporate spins. 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 AND PAMPHLET 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 further information.

Obtain all oral warnings regarding use of protective clothing and accidental exposure must be given to workers who are expected to be in treated areas at intervals about to be treated.

DIRECTIONS

Apply to weeds only by overhead irrigation systems. Do not apply by chemigation to any other crop, or this crop using any other type of irrigation system.

Table of Equivalents

Amount of ORTHENE 75 S Soluble Powder	1.1 lb	1 lb	2.2 lb	4.4 lb	7.7 lb
Amount Active Contained	1.0	0.9	1.8	3.6	6.0

COTTON

Crops	Insects	Amount ORTHENE 75 S Per Acre	Further Use Instructions	Days to Harvest
Cotton	Thrips	2 to 4 oz	Apply in water at 3 to 10 gals spray per acre by air-lift method 3 gals 4.4 lb in CA AZ/air 10 to 25 gals spray per acre by ground	21
	Planthoppers	1.3 to 1.3 lbs		
	Lygids	2.3 to 1.3 lbs (CA AZ)		
	Greenhopper	1.3 lb	Apply when eggs or insects first appear. Repeat as necessary to maintain control.	
	Cotton Aphid	2.3 to 1.3 lbs		
	Armyworm	1.3 lbs	Lygids - Use higher rate for lygids adults that have migrated into cotton.	
	Cabbage Looper	2.3 to 1.3 lbs		
	Bollworm	2.3 to 1.3 lbs (East of Rockies)		
Cotton (CA AZ)	Stinkbugs	1 lb	Bollworms and Tobacco worms - Early season applications use 2.3 lb per acre. Mid and late season moderate to severe infestations use 1 to 1.3 lb per acre. Apply when eggs appear and repeat at a 3 to 7 day spray interval.	
	Pink bollworm	1.3 lbs		
	(CA AZ)		Pink bollworm - Apply when insects appear and repeat at a 5 to 7 day spray interval. Do not apply within 21 days of harvest. Do not feed gun trash to livestock or allow animals to graze on treated areas.	

COTTON YARN MIXES

Crops	Insects	Amount ORTHENE 75 S + 1.000-0.001 lb/AE Per Acre	Further Use Instructions	Days to Harvest
Cotton (CA AZ)	Armyworm	1.3 to 1.3 lbs	Do not feed gun trash or treated forage to livestock. Do not allow livestock to graze on treated areas.	21
	Bollworm	1 to 2 lbs		
	Cabbage Looper			
	Cotton Aphid			
	Cutworm			
	Greenhopper			
	Lygids			
	Planthoppers			
	Pink Bollworm			
	Stinkbugs			
	Thrips			
	Tobacco			

Crops	Insects	Amount ORTHENE 75 S + 1.000-0.001 lb/AE Per Acre	Further Use Instructions	Days to Harvest
Cotton (Except CA AZ)	Tobacco	2.3 lb	Begin application when eggs or insects appear and apply as needed to maintain control. Apply in 3 to 5 gals of water with aerial equipment or in 10 to 25 gals of water with ground equipment. Do not feed gun trash to livestock or allow animals to graze on treated areas. Do not apply more than 1.3 lb active ingredient of Orthene to a crop in a growing season. All available data, reentry...	21
	Bollworm	2.3 lb or		

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Crops	Insects	Amount ORTHENE 75 S Soluble Powder Per Acre	Further Use Instructions	Days to Harvest
Cotton (except CA AZ)	Tabacco Budworm	2.2 lb 2.23 lb or	Begin applications when eggs or insects appear and apply as needed to maintain control. Apply in 3 to 5 gals. of water with aerial equipment or in 10 to 25 gals. of water with ground equipment. Do not feed or graze in treated areas. Do not apply more than 121 lbs. active ingredient of PYDRIN to a crop in a growing season. All applicable directions, restrictions and precautions on the EPA registered labels are to be followed.	21

COTTON SEED HOPPER BORN TREATMENT (EXCEPT AZ, CA AND THE BLACK LANDS OF TEXAS)

Crops	Insects	Amount ORTHENE 75 S Soluble Powder Per Acre	Further Use Instructions	Days to Harvest
Cotton	Thrips Cotton Aphids Black IG Grasshopper Culex	3 to 4 lb	Apply 3 to 4 lb ORTHENE 75 S Soluble Powder per acre in the planter box or a dry powder. Even coverage is required for acceptable insect control. To obtain even coverage in planter box, add the proper amount of ORTHENE 75 S Soluble Powder and mix thoroughly with a stick. Add the remainder of the seed to the planter box and the additional required amount of ORTHENE 75 S Soluble Powder followed by thorough mixing for improved mixing. Pre-mix seed with ORTHENE 75 S Soluble Powder in a suitable container then pour treated seed into planter box. Loss of ORTHENE 75 S Soluble Powder will occur if air purifiers are used. Plants grown from improperly covered seed will not obtain the insect control. Do not use treated seed for food or feed purposes or processing.	

FIELD CROPS

Crops	Insects	Amount ORTHENE 75 S Soluble Powder Per Acre	Further Use Instructions	Days to Harvest
Pepper/mint Spearmint	A Taffy hopper Culex Aphis	1.13 lbs	Apply in water at 5 to 10 gals. spray per acre by air or 20 to 100 gals. spray per acre by ground. Apply when eggs or insects first appear. Make one repeat application if necessary to maintain control. Do not apply more than 2.23 lbs. per acre per season.	14
Soybeans	Grasshoppers Soybean hopper Cabbage hopper Green Cloverworm Vetchbean Caterpillar Bean leaf beetle Mexican bean beetle	1.3 to 2.3 lb 2.3 to 1.13 lbs	Apply in water at 2 to 10 gals. spray per acre by air or 10 to 50 gals. spray per acre by ground. Repeat as necessary to maintain control. Do not graze or cut vines for hay or forage.	14
Peanuts	Grasshoppers Thrips Corn earworm Ear armyworm Leafhoppers Leaf beet Vetchbean Caterpillar	1.3 to 2.3 lb 2.3 to 1.13 lb 1 to 1.13 lbs	Apply in water at 10 to 50 gals. spray per acre by ground or in 5 to 10 gals. spray per acre by air. Begin applications when insects first appear and repeat as needed to maintain control. Do not feed treated forage or hay to livestock or allow animals to graze treated areas.	14 - 21 days

FRUIT CROPS

Crops	Insects	Amount ORTHENE 75 S Soluble Powder Per Acre	Further Use Instructions	Days to Harvest
Cranberries	Fruitworms Spidermites Sparganths	1.13 lbs	Apply in water by air ground or with sprayers. Use a minimum of 7 gals. spray per acre by air. Use sufficient water to give thorough coverage with ground or sprayer equipment. Make 1 unit to one application per growing season. Do not apply from start of bloom until berries set.	30

SPRINKLER IRRIGATION APPLICATION TO CRANBERRIES
 This product may only be applied through sprinkler irrigation systems including center pivot, lateral move, and low side wheelbarrow type systems. Do not apply this product through any other type of irrigation system.
 Crop injury, lack of effectiveness or illegal pesticide residues in the crop may result from non uniform distribution of treated water.
 If you have questions about calibration you should contact State Extension Service specialists, equipment manufacturers or other experts.
 Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the label prescribed safety devices for public water supplies are in place.
 A person knowledgeable of the chemical system and responsible for its operation shall shut the system down and make necessary adjustments should the need arise.
 The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriate for and on the irrigation piping to prevent water backflow or siphoning from backflow.
 The pesticide injection pump must contain a functional automatic shut-off check valve to prevent the flow of fluid back toward the injection pump.
 The pesticide injection pump must also contain a functional, normally closed, automatic shutoff valve located on the middle side of the injection pump and connected to the system manifold to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
 The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
 The irrigation line or main pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
 Systems must use a metering pump, such as a pressure displacement meter pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interface.
 Do not apply when wind speed favors drift beyond the area intended for treatment.
Solid Set Systems: Apply specified dosage for the entire length of the irrigation period or for a 30 to 60 minute period at the end of a regular irrigation set or as a 30 to 60 minute irrigation as a separate application not associated with a regular irrigation. Allow time for all holes to flush the pesticide through all nozzles before turning off irrigation water to ensure the holes are flushed and free of remaining pesticide. A flow indicator may be attached to the lines to mark the end of the water flush period. See NOTE.
Center Pivot Systems: Inject the specified dosage per acre continuously for one complete revolution of the system. See NOTE.
NOTE: Constant application must be maintained in the chemical supply tank during the entire period of pesticide application. Inject the product with a positive displacement pump into the main line ahead of a right angle turn in which adequate mixing.
 Application of more than label recommended quantities of irrigation water per acre may result in decreased product performance by reducing the chemical from the zone of effectiveness.

VEGETABLE CROPS

Crops	Insects	Amount OUTLINE 75 S Per Acre	Further Use Instructions	Days to Harvest
Beans and Soybeans (all types)	Leafhoppers Grasshoppers Aphids Bean web worm Bean leaf miner Cabbage looper Cutworms Green Caterpillars Leafhoppers Mexican bean beetle Flour beetle Soybean weevil Thrips Whitefly Armyworms Corn earworm European corn borer	1 to 2.5 lb 2.5 to 1.5 lb 1 to 1.5 lb	Apply in water at a minimum of 2 gals. spray per acre by air or 10 to 20 gals. spray per acre by ground. Apply when eggs or insects first appear. Repeat at 7 to 10 day intervals as necessary. Severe infestations use higher rates. Do not feed treated vines to livestock.	14 to 21 days or 21 to 28 days
Brussels Sprouts Cauliflower	Green peach aphid Cabbage looper Diamondback moth Imported cab bage worm	2.5 to 1.5 lb 1.5 to 1 lb	Apply in water at 25 to 150 gals. per acre by ground or minimum of 5 gals. spray per acre by air. Use the higher rate when heavy infestations of aphids are present. Begin applications when insects or eggs first appear. Repeat application as needed. Do not apply more than 8 lbs. per acre per season to Brussels Sprouts. Do not feed turnings to livestock or allow animals to graze in treated areas.	14 to 21 days
Celery	Green peach aphid Beet and Flea armyworms Cabbage looper	2.5 to 1.5 lb 1.5 to 1 lb	Apply in water at 50 to 100 gals. spray per acre by ground or in a minimum of 5 gals. per acre by air. Apply when eggs or insects appear and repeat at 3 to 10 day intervals as necessary to maintain control. Turn plants tops removed before shipment or use. Do not use turnings for feed or feed.	21 to 28 days
Head Lettuce (all types) Type One	Green peach aphid Cabbage looper Armyworms	2.5 to 1.5 lb 1.5 to 1 lb	Apply in water at 5 to 10 gals. spray per acre by air or 10 to 50 gals. spray per acre (broadcast) by ground. Apply as necessary to maintain desired control. Do not apply more than 2.5 lbs. per acre per season. Do not apply after first head begins to form to crops which germinate from mid September through November in desert areas of AZ and CA. Do not feed turnings to livestock or allow animals to graze in treated areas.	21 to 28 days Spring summer and early fall crops in all areas and winter crops in Florida and Texas late fall crops in Arizona winter crops in Arizona and California
Peppers (non bell type)	Aphids	2.5 lb	For use in Mexico, Eastern States and Puerto Rico only. Apply in water at 40 to 150 gals. spray per acre with ground equipment. Repeat at 7 to 10 day intervals as necessary. Do not exceed 7 applications per season.	21 to 28 days
Sweet Peppers (Bell type)	Grasshoppers Cabbage looper Green peach aphid Tobacco hornworm European corn borer	1 to 2.5 lb 2.5 to 1.5 lb 1 to 1.5 lb 1 to 1.5 lb 1 to 1.5 lb	Apply in water at a minimum of 5 gals. spray per acre by air or 5 to 15 gals. spray per acre by ground. Apply when eggs or insects appear. Repeat as necessary until insects have been reduced below economic numbers.	21 to 28 days

PASTURE, RANGELAND WASTELAND

Crops	Insects	Amount OUTLINE 75 S Per Acre	Further Use Instructions	Days to Harvest
Pasture Rangeland Wasteland	Grasshoppers Mormon Crickets Black Grass Bugs	1 to 2.5 lb 1 lb to 0.75 lb active ingredients	Apply in water at a minimum of 1.2 gal. spray per acre by air or 10 to 20 gals. spray per acre by ground. Use the higher rate under operation of an insecticide DITHIONOL or NALLO TROL may be added to a 4 in. controlling drift and reducing evaporation of aerial sprays. Do not make more than one application per season. Do not apply when lactating dairy cattle are present. Do not pasture or feed treated hay to lactating dairy cattle within 21 days after application. Remove meat animals from treated areas at least one day before slaughter if they were present at application or grazed treated areas within 21 days after application. For best results apply the material in the late morning or late afternoon when the ants are most active. Applications made under prolonged rainy conditions may be ineffective due to the location of the ants deep within the nest. Grass in treated areas may be mowed. Treat maximum of 13 mounds per acre. Do not treat more than once per year. Do not apply when lactating dairy cattle are present. Do not pasture or feed treated hay to dairy cattle within 21 days after application. Remove meat animals from treated areas at least one day before slaughter if they were present at application or grazed treated areas within 21 days after application.	21 to 28 days
	Imported Fire Ants	Ground Treatment — Dry Baited Evenly distribute 1 to 2 teaspoons of bait in the mound. Baited Method — Mix 1 lb. in 5 gals. of water. Apply 1 gal. of mixture to each mound area by sprinkling the mixture over it. Do not treat a mound less than 100 lbs. of diameter. Do not treat mounds less than 100 lbs. of diameter.	For best results apply the material in the late morning or late afternoon when the ants are most active. Applications made under prolonged rainy conditions may be ineffective due to the location of the ants deep within the nest. Grass in treated areas may be mowed. Treat maximum of 13 mounds per acre. Do not treat more than once per year. Do not apply when lactating dairy cattle are present. Do not pasture or feed treated hay to dairy cattle within 21 days after application. Remove meat animals from treated areas at least one day before slaughter if they were present at application or grazed treated areas within 21 days after application.	21 to 28 days

SPECIALTY USES

Crops	Insects	Amount OUTLINE 75 S Per Acre	Further Use Instructions	Days to Harvest
Non Crop Areas	Imported Fire Ants	Ground Treatment — Dry Baited Evenly distribute 1 to 2 teaspoons of bait in the mound. Baited Method — Mix 1 lb. in 5 gals. of water. Apply 1 gal. of mixture to each mound area by sprinkling the mixture over it. Do not treat a mound less than 100 lbs. of diameter.	For best results apply the material in the late morning or late afternoon when the ants are most active. Applications made under prolonged rainy conditions may be ineffective due to the location of the ants deep within the nest. Grass in treated areas may be mowed. Treat maximum of 13 mounds per acre. Do not treat more than once per year. Do not apply when lactating dairy cattle are present. Do not pasture or feed treated hay to dairy cattle within 21 days after application. Remove meat animals from treated areas at least one day before slaughter if they were present at application or grazed treated areas within 21 days after application.	21 to 28 days

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Label Requirements on BOTTLE in 100 Gals. Water	Equivalent BOTTLES in 25 Gals. Water ¹	Equivalent BOTTLES in 5 Gal. Water (per Gal.)
1.2 lb	3.12 oz	1
2.3 lb	5.07	2
3.4 lb	9.12 oz	3
4.5 lb	12.67	4

¹USE 16.01 oz. measure for 5 gal.

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COMMERCIAL PERFORMANCE, LATENCY, AND OTHER INFORMATIONAL PERFORMANCE AREAS
DO NOT ALLOW LATENCY TO BE A FACTOR IN YOUR CHOICE OF PRODUCTS TO USE.

Plant	Insect	Amount ORTHENE 75 S Per 1,000 Sq. Ft.	Time of Application	Recommended Application
Turfgrass	1st Generation Yellow-striped Armyworm Southern Armyworm	1.2 to 1.5 lb (1.1 to 1.3 to 1.4 lb per acre)	As the insects appear. A repeat application at 2 week intervals may be necessary.	Apply the specified amount of ORTHENE 75 S Soluble Powder per 1,000 sq. ft. Use a maximum of 1 gal. water per 1,000 sq. ft. to obtain good coverage.
	Caterpillars	1.2 to 2.4 lb (1.1 to 2.3 lb per acre)	As the caterpillars begin to appear. Use the higher amount when the insects are downy mildew or other heavy infestations.	Apply the specified amount of ORTHENE 75 S Soluble Powder per 1,000 sq. ft. Use 1 to 2 gal. water per 1,000 sq. ft. to obtain good coverage.
Sod Waterways (Kudzu)	1st Generation Yellow-striped Armyworm	1.2 to 1.5 lb (1.1 to 1.3 to 1.4 lb per acre)	As the insects appear. A repeat application at 2 week intervals may be necessary.	Apply the specified amount of ORTHENE 75 S Soluble Powder per 1,000 sq. ft. Use 1 to 2 gal. water per 1,000 sq. ft. to obtain good coverage.
	Caterpillars	1.2 to 2.4 lb (1.1 to 2.3 lb per acre)	As the caterpillars begin to appear. Use the higher amount when the insects are downy mildew or other heavy infestations.	Apply the specified amount of ORTHENE 75 S Soluble Powder per 1,000 sq. ft. Use 1 to 2 gal. water per 1,000 sq. ft. to obtain good coverage.
Turfgrass	1st Generation Yellow-striped Armyworm	1.2 to 1.5 lb (1.1 to 1.3 to 1.4 lb per acre)	As the insects appear. A repeat application at 2 week intervals may be necessary.	Apply the specified amount of ORTHENE 75 S Soluble Powder per 1,000 sq. ft. Use 1 to 2 gal. water per 1,000 sq. ft. to obtain good coverage.
	Caterpillars	1.2 to 2.4 lb (1.1 to 2.3 lb per acre)	As the caterpillars begin to appear. Use the higher amount when the insects are downy mildew or other heavy infestations.	Apply the specified amount of ORTHENE 75 S Soluble Powder per 1,000 sq. ft. Use 1 to 2 gal. water per 1,000 sq. ft. to obtain good coverage.
Turfgrass	1st Generation Yellow-striped Armyworm	1.2 to 1.5 lb (1.1 to 1.3 to 1.4 lb per acre)	As the insects appear. A repeat application at 2 week intervals may be necessary.	Apply the specified amount of ORTHENE 75 S Soluble Powder per 1,000 sq. ft. Use 1 to 2 gal. water per 1,000 sq. ft. to obtain good coverage.
	Caterpillars	1.2 to 2.4 lb (1.1 to 2.3 lb per acre)	As the caterpillars begin to appear. Use the higher amount when the insects are downy mildew or other heavy infestations.	Apply the specified amount of ORTHENE 75 S Soluble Powder per 1,000 sq. ft. Use 1 to 2 gal. water per 1,000 sq. ft. to obtain good coverage.

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Turfgrass	1st Generation Yellow-striped Armyworm	1.2 to 1.5 lb (1.1 to 1.3 to 1.4 lb per acre)	As the insects appear. A repeat application at 2 week intervals may be necessary.	Apply the specified amount of ORTHENE 75 S Soluble Powder per 1,000 sq. ft. Use 1 to 2 gal. water per 1,000 sq. ft. to obtain good coverage.
	Caterpillars	1.2 to 2.4 lb (1.1 to 2.3 lb per acre)	As the caterpillars begin to appear. Use the higher amount when the insects are downy mildew or other heavy infestations.	Apply the specified amount of ORTHENE 75 S Soluble Powder per 1,000 sq. ft. Use 1 to 2 gal. water per 1,000 sq. ft. to obtain good coverage.

Plant	Insect	Amount ORTHENE 75 S Per 1,000 Sq. Ft.	Time of Application	Recommended Application
Turfgrass	1st Generation Yellow-striped Armyworm	1.2 to 1.5 lb (1.1 to 1.3 to 1.4 lb per acre)	As the insects appear. A repeat application at 2 week intervals may be necessary.	Apply the specified amount of ORTHENE 75 S Soluble Powder per 1,000 sq. ft. Use 1 to 2 gal. water per 1,000 sq. ft. to obtain good coverage.
	Caterpillars	1.2 to 2.4 lb (1.1 to 2.3 lb per acre)	As the caterpillars begin to appear. Use the higher amount when the insects are downy mildew or other heavy infestations.	Apply the specified amount of ORTHENE 75 S Soluble Powder per 1,000 sq. ft. Use 1 to 2 gal. water per 1,000 sq. ft. to obtain good coverage.

OUTDOOR PLANT CROPS AND GROUND COVERS

Plant	Insect	Amount ORTHENE 75 S Per 100 Gals.	Time of Application	Recommended Application
Turfgrass	1st Generation Yellow-striped Armyworm	1.2 to 1.5 lb (1.1 to 1.3 to 1.4 lb per acre)	As the insects appear. A repeat application at 2 week intervals may be necessary.	Apply the specified amount of ORTHENE 75 S Soluble Powder per 1,000 sq. ft. Use 1 to 2 gal. water per 1,000 sq. ft. to obtain good coverage.
	Caterpillars	1.2 to 2.4 lb (1.1 to 2.3 lb per acre)	As the caterpillars begin to appear. Use the higher amount when the insects are downy mildew or other heavy infestations.	Apply the specified amount of ORTHENE 75 S Soluble Powder per 1,000 sq. ft. Use 1 to 2 gal. water per 1,000 sq. ft. to obtain good coverage.

GREENHOUSE PLANT AND POLAR PLANT CROPS

Plant	Insect	Amount ORTHENE 75 S Per 100 Gals.	Time of Application	Recommended Application
Turfgrass	1st Generation Yellow-striped Armyworm	1.2 to 1.5 lb (1.1 to 1.3 to 1.4 lb per acre)	As the insects appear. A repeat application at 2 week intervals may be necessary.	Apply the specified amount of ORTHENE 75 S Soluble Powder per 1,000 sq. ft. Use 1 to 2 gal. water per 1,000 sq. ft. to obtain good coverage.
	Caterpillars	1.2 to 2.4 lb (1.1 to 2.3 lb per acre)	As the caterpillars begin to appear. Use the higher amount when the insects are downy mildew or other heavy infestations.	Apply the specified amount of ORTHENE 75 S Soluble Powder per 1,000 sq. ft. Use 1 to 2 gal. water per 1,000 sq. ft. to obtain good coverage.

Do not apply under conditions where possible that the level, degree or other characteristics of the crop or the crop itself may be affected.

NOTE: This product is sold in multiple and package is full when packed, but due to bulk nature the amount of weight is not.

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			Apply the specified amount of ORTHENE 75 S Soluble Powder in 100 gals. water with a hydraulic sprayer as a full coverage spray
Foliage Plants Orchids Anthuriums Cacti Poinsettia	Aphids	1/3 lb (5.3 oz)	As aphids begin to appear
	Mealybugs Thrips Whiteflies	2/3 lb (10.5 oz)	As the insects begin to appear. A repeat application, at a 2 week interval, may be necessary for control of mealybugs and whiteflies
	Scales (Crawlers)	2/3 lb (10.5 oz)	As crawlers begin to appear. Repeat applications, at a 2 week or more interval, may be necessary where there is continuous crawler production
Roses Carnations Chrysanthemums	Aphids Thrips	2/3 lb (10.5 oz)	As aphids begin to appear As thrips begin to appear or at the tight flower bud stage. Repeat applications may be necessary

Caution: Phytotoxicity has occurred on the following foliage plants: *Blechnum gibbum*, *Cissus antarctica*, *Ficus triangularis*, *Fatima verschaffelii*, *Maranta leuconeura kerfoliata*, *Pachystachya lutea*, *Platanus australis*, *Polypodium aureum*, *Polystichum*, *Pteris ensiformis*, *Tamara menziesii*. Before treating large plantings spray only a few plants and observe 2 weeks for varietal phytotoxicity.

Do not apply more often than once every 28 days to Carnations and Chrysanthemums.

Caution: Phytotoxicity has occurred on the following Chrysanthemum varieties: Albatross, Bonnie Jean, Dixie, Garland, Gem, Iceberg, Pride, Showoff, Statesman, Tally Ho, Westward H., and Wild Money. Before treating large Chrysanthemum plantings, spray only a few plants and observe two weeks for varietal phytotoxicity.

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.

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 cool, dry place. Protect from excessive heat. Do not contaminate food or foodstuffs. 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 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 authorities, by burning. If burned, stay out of smoke.

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.

LORSBAN® - Reg. TM of Dow Chemical Company for Chlorpyrifos insecticide

NALCO TROL® - Reg. TM of Nalco Chemical Co.

PYDRIN® - Reg. TM of E. I. du Pont de Nemours & Co., Inc. for Fenvalerate insecticide

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ACCEPTED

APR 19 1989

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for this pesticide registered under EPA Reg. No. 239-24189

Transferred to
59639-26