

ORTHENE®**75 S
Soluble Powder**

(INSECTICIDE)

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

Active ingredient
"Acetophenyl 10 S Dimethyl acetyl-
phosphorothioate"
Inert ingredients
"ORTHENE" Acetophenyl
U.S. Pat. No. 3,014,417

By Wt.

75%

25%

Manufactured for
Valent U.S.A. Corporation © 1980
Valent Cross, CA 94588-0005
Rt. 294 D Product 5537 Made in U.S.A.
EPA Reg. No. 56030-26 AA

ORTHENE KILLS FIRE ANTS**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 until sprays have dried.

STATEMENT OF PRACTICAL TREATMENT

If swallowed, drink 1 or 2 glasses of water for adult and induce vomiting by touching the back of the throat with finger. If possible, contact a physician. Rinse mouth. Contact 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.

Risk to Fishes: Emergency Information - call 800 457 2027. Acetophenyl is a cholinesterase inhibitor. If signs of cholinesterase inhibition appear, atropine is antidote. 2 PMM 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 TARE: 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 flagging, wear a hard hat made of non-absorbent material. **WASHING:** Always wash hands face and arms with soap and water before eating, using 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 after each use.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds. Applications may adversely affect birds in targeted treatment areas. Do not apply directly to water or wetlands. Cover or seal incorporate traps. 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

Read and follow all Federal Law to use this product in a manner consistent 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 further 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.

DIRECTIONS

Apply to arthropods only by approved irrigation systems. Do not apply by oblique sprays to any other crop, or other crop using any other type of irrigation system.

Table of Equivalents

Amount of ORTHENE 75 S Soluble Powder	1 1/3 lbs	1 lb	2/3 lb	4 oz	2 oz
Amount Active Contained	1 lb	3/4 lb	1/2 lb	1/3 lb	1/6 lb

COTTON

Crops	Insects	Amount ORTHENE 75 S Per Acre	Further Use Instructions	Days to Harvest
Cotton (CA, AZ)	Thrips	2 oz to 4 oz	Apply in water at 3 to 10 gals spray per acre by air maximum 5 gals/acre in CA, AZ or 10 to 25 gals spray per acre by ground.	21
	Plumbeus (lygus)	1/2 to 1 1/2 lbs (CA, AZ)		
	Flies	1/2 lb		
	Cotton Aphid	1/2 to 1 1/2 lbs	Apply when eggs or insects first appear. Repeat as necessary to maintain control.	
	Armyworms	1 1/2 lbs		
	Cabbage Looper	1 1/2 lbs	Do not feed gun trash or treated forage to livestock or other animals to graze on treated areas.	
	Budworm	1/2 to 1 1/2 lbs (East of Rockies)		
	Tabacco Budworm	1 1/2 lbs (CA, AZ)	Lygus - Use higher rate for types adults that have migrated into cotton.	
	Sunbugs (CA, AZ)	1 lb		
	Pink Budworm (CA, AZ)	1 1/2 lbs	Budworm - Early season light infestation use 1/2 lb per acre late and late season moderate to severe infestation use 1 to 1 1/2 lbs per acre. Apply when eggs appear and repeat at 3 to 7 day spray interval.	
Adults Larvae			First Budworm - Apply when insects appear and repeat at a 5 to 7 day spray interval.	
			Adults/Larvae - Moths are common when they come in direct contact with spray particles during application. Spray is most likely to occur when application is made late in the evening during periods of peak activity.	
Eggs/Good Hatch			Eggs - When spray particles come in direct contact with eggs, hatching larvae may be controlled as they emerge and emerge from their egg casing.	

COTTON TARE CRIPS

Crops	Insects	Amount ORTHENE 75 S + LUBRICANT Per Acre	Further Use Instructions	Days to Harvest
Cotton (CA, AZ)	Armyworms	1 1/2 to 1 1/3 lbs		21
	Budworm	1 to 2 lbs	Do not feed gun trash or treated forage to livestock. Do not allow livestock to graze on treated areas.	
	Cotton Aphid			
	Culex			
	Flies			
	Grasshoppers			
	Pink Budworm			
	Pump Borer (lygus) Moths			
	Salt Marsh Caterpillar			
	Tabacco Budworm			
Eggs				

Crops	Insects	Amount ORTHENE 75 S + PYRETHROID 2.4 DE Per Acre	Further Use Instructions	Days to Harvest
Cotton (CA, AZ)	Tabacco Budworm	2 1/2 lb		21
		2 3/4 lb or	Begin applications when eggs or insects appear and apply as needed to maintain control. Apply at 3 to 5 gals of water.	

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Crop	Insects	Amount ORTHENE 75 S - PYNOSOL 2.4 EC Per Acre	Further Use Instructions	Days to Harvest
Cotton (Except CA AZ)	Tabacco Budworm	2.5 lb 2.25 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 hand equipment or in 10 to 25 gals. of water with ground equipment. Do not feed gun trash to livestock or allow animals to graze treated areas. Do not apply more than 12 lbs. active ingredient of PYNOSOL to a crop in a growing season. All applicable directions, repre- sented and precautions on the EPA registered label are to be followed.	21

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

Crop	Insects	Amount ORTHENE 75 S Soluble Powder Per Acre	Further Use Instructions
Cotton	Thrips Cotton Aphids Black (Greasy) Cutworm	3 to 4 oz	Apply 3 to 4 oz. ORTHENE 75 S Soluble Powder per acre on the planter bar as a dry powder. Even coverage is required for acceptable insect control. To obtain even coverage, fill planter bar 1/2 full of seed and the proper amount of ORTHENE 75 S Soluble Powder and mix thoroughly with a stick. Add the remainder of the seed to the planter bar and the additional required amount of ORTHENE 75 S Soluble Powder followed by thorough mixing. For optimum mixing, premium seed with ORTHENE 75 S Soluble Powder in a suitable container than pour required seed into planter bar. Loss of ORTHENE 75 S Soluble Powder will occur if air planters are used. Plants grown from improperly covered seed will not achieve insect control. Do not use treated seed for food or feed purposes or process for food.

COTTON IN-FURROW APPLICATION

Crop	Insects	Amount Orthene 75S Per Acre	Further Use Instructions												
Cotton	Aphids Thrips	0.5 to 1.0 lb. active	Refer to the ORTHENE 75S conversion chart before making product application. ORTHENE 75S CONVERSION CHART <u>LBS. AI TO OZ. FORMULATED PRODUCT</u> <table> <tr><td>0.5</td><td>10.7</td></tr> <tr><td>0.6</td><td>12.8</td></tr> <tr><td>0.7</td><td>14.9</td></tr> <tr><td>0.8</td><td>17.0</td></tr> <tr><td>0.9</td><td>19.1</td></tr> <tr><td>1.0</td><td>21.2</td></tr> </table>	0.5	10.7	0.6	12.8	0.7	14.9	0.8	17.0	0.9	19.1	1.0	21.2
0.5	10.7														
0.6	12.8														
0.7	14.9														
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0.9	19.1														
1.0	21.2														

Apply 0.5 to 1.0 lb. active ORTHENE 75S in 3 to 5 gals of water per acre as an in-furrow spray.

NOTE: For the Blacklands of Texas use only the 1.0 lb. active ORTHENE 75S rate (21.2 oz. formulated product per acre.) ORTHENE 75S can be mixed with fungicides that are sprayed in furrow for disease control.

Flat-fan nozzles used for in-furrow application should be set so that the formed spray pattern is aligned with the row to insure good spray deposition in the seed furrow. Cone type nozzles may not provide a spray pattern that insures maximum spray deposition in the seed furrow and should be avoided. Spray systems that employ pump or plastic tubing for delivery of spray solution into the seed furrow should have tubing securely fastened to the furrow opener and should be checked frequently to insure that the tubing is properly positioned to deposit spray solution into the seed furrow.

FIELD CROPS

Crop	Insects	Amount ORTHENE 75 S Per Acre	Further Use Instructions	Days to Harvest
Peppermint Spearmint	Aphis Aphids	1 lb.	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 lbs. per acre per season.	14
Soybeans	Grasshoppers Soybean looper Cabbage looper Green Cloverworm Velvetbean Caterpillar Bean leaf beetle Mexican bean beetle Silver Spotted St. beetle (except CA) Spotted Armyworm Three-cornered alfalfa hopper Corn Earworm	1 to 1.5 1 to 1.5 1 lb.	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 down for hay or forage.	14
Peanuts	Grasshoppers Thrips Corn earworm Fall armyworm Leafhoppers Velvetbean caterpillar	1 to 1.5 1 to 1.5 1 to 1.5	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 (if digging)

ACCEPTED

OCT 15 1990

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under
EPA Reg. No. J-9639-26

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Days	Insects	Amount Containing 75 % Per Acre	Further Use Instructions	Dash in Harvest
	1. Beetles		1. Water 100 lbs. of water per acre	
	2. Grasshoppers			
	3. Beetles			
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Crops	Seeds	Amount Sown and Planted Per Acre	Further Work Required	Barren or Waste
Amalgam Washington	Wheat Barley Oats Rye Clover Hay	1.000 1.000 1.000 1.000 1.000 1.000	Apply in water at a minimum of 1000 gallons per acre 10 to 20 times per acre by ground Use the same rate in water	1.000

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Tobacco European Corn Sawyer		Apply when eggs or larvae appear. Repeat at necessary until larvae have been reared to pupae or emerged. Numbers	
PASTURE BARNHILL'S PASTELAND			
Crops	Insects	Amount BARNHILL'S P.S. Per Acre	Further Use Instructions
Pasture Rangeland Wasteland	Grasshoppers Mormon Crickets Black Grass Bugs	8 to 16 lb 0.994 to 0.15 lb active ingredients	-Apply in water at a minimum of 7 gal. spray per acre by air or 10 to 20 gal. -spray per acre by ground. Use the higher rate in thicker vegetation or on larger insects. An approved soil repellent added may be added to aid in controlling drift and reducing evaporation of spray liquid. Do not make more than one application per season. Do not apply when lactating dairy cattle are present. Do not pasture or feed 1% of 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 area within 21 days after application.
	Imported Fire Ants	Moist Bait Moist Dry Moist Evenly distribute 1 to 2 teaspoons over the mound. Do not Moist Mix 1 lb. in 5 gals. of water. Apply 1 gal. of mix to each mound area by sprinkling the mound until it is wet and treat a four ft. 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 may be ineffective due to the location of the ants deep within the nest. Grass in treated area may be mowed. Treat maximum of 13 mounds per acre. Do not treat more than once per season. Do not apply when lactating dairy cattle are present. Do not pasture or feed hay to lactating dairy cattle within 21 days after application. Remove meat animals from treated areas at least 1 day before slaughter if they were present at application or grazed treated areas within 21 days after application.

SPECIALTY USES			
Crops	Insects	Amount BARNHILL'S P.S. Per Acre	Further Use Instructions
Non Crop Areas Vegetation Invasives Invasives Invasives Invasives Invasives	Grasshoppers	25 lb. active ingredients	For early to mid season application to grasshoppers in field border, fence rows, road sides, ditches and borrow pits. Apply in 1 to 5 gals. of water by air or 10 to 20 gals. of water with ground equipment. Use the higher volume with spraying or heavy foliage. Do not graze livestock in treated areas.
Crops	Insects	Amount BARNHILL'S P.S. Per Acre	Further Use Instructions
Non Crop Areas	Imported Fire Ants	Moist Bait Moist Dry Moist Evenly distribute 1 to 2 teaspoons over the mound. Do not Moist Mix 1 lb. in 5 gals. of water. Apply 1 gal. of mix to each mound area by sprinkling the mound until it is wet and treat a four ft. 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 may be ineffective due to the location of the ants deep within the nest. Grass in treated area may be mowed. Do not treat mound more than once per season.

Plants	Insects	Amount BARNHILL'S P.S. Per 100 Gals.	Time of Application	Recommended Application
Citrus Tree Nectar Syrup Apple Pear Apricot Peach Plum Quince Raspberry Blackberry Strawberry Rhubarb Cranberry Gooseberry Currant Elderberry Hawthorn Honeylocust Sycamore Tulip Yucca Zinnia	Grasshoppers Mormon Crickets Black Grass Bugs	8 to 16 lb 0.994 to 0.15 lb active ingredients	Application should be made by mid September to green house stock and by mid October for out door stock. Consult your local county extension agent for information on the dormant stage and control of dormant insects.	Apply the specified amount of BARNHILL'S P.S. - by Powder or by 10 to 20 gals. of water by air or through a sprayer system.

SMALL SPRAY EQUIPMENT			
Preparation of BARNHILL'S Spray Mix using a 16 oz. Measuring Cup			
Label Recommendation BARNHILL'S in 100 Gals. Water	Equivalent BARNHILL'S in 20 Gals. Water	Equivalent BARNHILL'S in 10 Gals. Water	Equivalent BARNHILL'S in 5 Gals. Water
1 cup	1/2 cup	1/4 cup	1/8 cup

TREES AND SHRUBS			
Plants	Insects	Amount BARNHILL'S P.S. Per 100 Gals.	Time of Application
Apple Pear Apricot Peach Plum Quince Raspberry Blackberry Strawberry Rhubarb Cranberry Gooseberry Currant Elderberry Hawthorn Honeylocust Sycamore Tulip Yucca Zinnia	Grasshoppers Mormon Crickets Black Grass Bugs	8 to 16 lb 0.994 to 0.15 lb active ingredients	Application should be made by mid September to green house stock and by mid October for out door stock. Consult your local county extension agent for information on the dormant stage and control of dormant insects.

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TREES AND SHRUBS

Plants	Insects	Amount ORTHENE 75 S Per 100 Sq. Ft.	Time of Application	Recommended Application
Trees and Shrubs	Colorado Juniper - Sawflies - Spring and Fall	1.5 to 2.3 oz. (5.3 to 10.5 oz.)	As the insects begin to appear. Use the higher amount when the larger larvae are present.	Apply the specified amount of ORTHENE 75 S Soluble Powder in 100 gals. water with a hydraulic sprayer.
	Japanese Pine Looper - Moth Larvae	1 lb. (16 oz.)	Time of application is important. Consult your Farm Advisor or County Extension Agent. Repeat applications may be required for subsequent generations.	
	Root Weevil - Adults	1 lb. (16 oz.)	Apply when first feeding damage occurs. Repeat applications at four week intervals until the first heavy frost. May be necessary for complete foliage protection.	Apply the specified amount of ORTHENE 75 S Soluble Powder in 100 gals. water with a hydraulic sprayer as a full coverage spray.
	Box Elder Bugs - Sawflies - Buds - Caterpillars	1 lb. (16 oz.)	As the insects begin to appear.	Apply the specified amount of ORTHENE 75 S Soluble Powder in 100 gals. water with a hydraulic sprayer as a full coverage spray.
	Japanese Cecid	1.1 to 1.3 lbs. (17.6 to 21.3 oz.)	As the Japanese Buds begin to appear. Repeat applications at 2 week intervals may be necessary.	
Douglas Fir Christmas Trees	Douglas Fir Needle Weevil	1 lb. (16 oz.)	As the larvae begin to appear. ORTHENE will not prevent Elm Leaf Beetle eggs from hatching.	Apply the specified amount of ORTHENE 75 S Soluble Powder in 100 gals. water with a hydraulic sprayer as a full coverage spray.
	Douglas Fir Needle Weevil	1 lb. (16 oz.)	Application should be made no more than 2 weeks prior to bud burst. For additional pest management information consult your County Extension Service.	Apply the specified amount of ORTHENE 75 S Soluble Powder in not less than 2 gals. of spray per acre by air or in 100 gals. of spray per acre by ground.
Flowering Crabapples	Apple Leaf - Caterpillars - Aphid	1 lb. (16 oz.)	As the insects begin to appear.	Apply the specified amount of ORTHENE 75 S Soluble Powder in 100 gals. water with a hydraulic sprayer. Do not apply more than 3 times in a growing season at a 4 week interval. Caution: Phytotoxicity has occurred on the following crab apple varieties: Mopé, Ichangensis, M. sibirica, M. pinnatifida, Pink Perfection, Red Wing and Snow Cloud.

COMMERCIAL TURFGRASS LAWNS, AND OTHER RECREATIONAL TURFGRASS AREAS
DO NOT ALLOW LIVESTOCK TO GRAZE TREATED AREAS. DO NOT FEED TREATED GRASS TO LIVESTOCK.

Plants	Insects	Amount ORTHENE 75 S Per 1000 Sq. Ft.	Time of Application	Recommended Application
Turfgrass (Residential & Commercial Lawns)	For Armyworm - Yellow, Green - Armyworm - Southern - Armyworm	1/4 to 1/2 oz. (1.5 to 3.75 lbs. per acre)	As the insects appear. Repeat application at 2 week intervals may be necessary.	Apply the specified amount of ORTHENE 75 S Soluble Powder per 1000 sq. ft. Use a minimum of 5 gals. water per 1000 sq. ft. to obtain good coverage.
	Caterpillars	1/2 to 2/3 oz. (3.75 to 6.25 lbs. per acre)		
Crabgrass	Crabgrass	1/2 to 2/3 oz. (3.75 to 6.25 lbs. per acre)	Apply as needed for adult populations (about 100 to 150 flies).	Apply the specified amount of ORTHENE 75 S Soluble Powder per 1000 sq. ft. Use 1 to 15 gals. water per 1000 sq. ft. to obtain good coverage.
	Flies	1/2 to 2/3 oz. (3.75 to 6.25 lbs. per acre)	Apply as needed for larvae (about 7 to 10 days) only at existing adult populations.	
Sod Weevil (Caterpillar)	Sod Weevil (Caterpillar)	1/4 to 1/2 oz. (1.5 to 3.75 lbs. per acre)	As the weevils begin to appear. Use the higher amount when much sprig down is needed or with heavy infestations.	Apply the specified amount of ORTHENE 75 S Soluble Powder per 1000 sq. ft. Use 1 to 15 gals. water per 1000 sq. ft. to obtain good coverage.
	Repeat application may be necessary. Do not repeat at more than 1 week intervals.			
Mole Crickets (Grasshopper)	Mole Crickets (Grasshopper)	1/2 to 1 lb. (2.5 to 16.25 lbs. per acre)	As the crickets begin to appear. For breakdown of most infestations, more than one application may be required throughout the grow- ing season. For heavy infestations, use the higher dosage rate.	Apply the specified amount of ORTHENE 75 S Soluble Powder per 1000 sq. ft. Use 1 to 15 gals. water per 1000 sq. ft. to obtain good coverage. Apply during late afternoon or early evening hours and after an irrigation. Do not irrigate after application.
	Grasshoppers (Grasshoppers)	1/2 to 1 lb. (2.5 to 16.25 lbs. per acre)	Apply when insects are first observed. For breakdown of most infestations, more than one application may be required throughout the grow- ing season. For heavy infestations, use the higher dosage rate.	Apply the specified amount of ORTHENE 75 S Soluble Powder per 1000 sq. ft. Use 1 to 15 gals. water per 1000 sq. ft. to obtain good coverage. Do not irrigate after application.

Plants	Insects	Amount ORTHENE 75 S Per 1000 Sq. Ft.	Time of Application	Recommended Application
Turfgrass	Imported Fire Ants	1 lb. to 1.5 lbs. (16 to 24 oz.)	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 may be ineffective due to the location of the ants deep within the soil.	Apply the specified amount of ORTHENE 75 S Soluble Powder per 1000 sq. ft. Use 1 to 15 gals. water per 1000 sq. ft. to obtain good coverage. Grass in treated areas may be mowed. Do not treat more than once per season.
	Grasshoppers (Grasshoppers)	1/2 to 1 lb. (2.5 to 16.25 lbs. per acre)	Apply when insects are first observed. For breakdown of most infestations, more than one application may be required throughout the grow- ing season. For heavy infestations, use the higher dosage rate.	Apply the specified amount of ORTHENE 75 S Soluble Powder per 1000 sq. ft. Use 1 to 15 gals. water per 1000 sq. ft. to obtain good coverage. Do not irrigate after application.

Plants	Insects	Amount ORTHENE 75 S Per 1000 Sq. Ft.	Time of Application	Recommended Application
Turfgrass	Crabgrass (Grasshopper)	1/2 to 1 lb. (2.5 to 16.25 lbs. per acre)	As the insects appear. Repeat at 2 week intervals if necessary.	Apply the specified amount of ORTHENE 75 S Soluble Powder per 1000 sq. ft. Use 1 to 15 gals. water per 1000 sq. ft. to obtain good coverage.
	Grasshoppers (Grasshoppers)	1/2 to 1 lb. (2.5 to 16.25 lbs. per acre)	Apply when insects are first observed. For breakdown of most infestations, more than one application may be required throughout the grow- ing season. For heavy infestations, use the higher dosage rate.	Apply the specified amount of ORTHENE 75 S Soluble Powder per 1000 sq. ft. Use 1 to 15 gals. water per 1000 sq. ft. to obtain good coverage.

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Location	Insects	Amount GRYTH-16 Per Surface	Time of Application	Recommended Application
Under Vibrio and perimeter area	Weevils	1.6 oz (16 lbs)	Treat early or late in the day as weevils are generally less active during these times	Apply specified amount of GRYTH-16 7.5 lbs/1000 sq ft per each gallon of water used. Apply on a wet treatment to the root zone, annular, and surrounding areas where the weevils dig!
Lock reaches Aire Pillages Entrance Chimney Treatment	Cock roaches Ants Pillbugs Earwigs Chimney Treatment	1.6 oz (16 lbs)	As the insects appear	Apply specified amount of GRYTH-16 7.5 lbs/1000 sq ft per each gallon of water used Apply to a band of soil 6 to 16 feet adjacent to the structure and to a height of 2 to 3 feet on the foundation where pests may be active or may find entrance. Also apply as a dust and spray or with a paint brush to sur- faces of buildings, window frames, shutters, gutters, screens, govern- ment, garages, carports, around garbage areas and other areas where these pests congregate

Plants	Insects	Amount OCHIMENE 75 S Per 100 Gals.	Time of Application	Recommended Application
Dahlias Eastern Lily Gladiolus Gypsophila Pachy- sandra Peony Roses Sodium Statice Straw Tuber Zinnia	Aphids Thrips Lygus	2.3 lb (10.5 oz)	As insects begin to appear Repeat applications may be necessary	Apply the specified amount of OCHIMENE 75 S in 100 gals. water with a hydraulic sprayer or a fan coverage spray. Observe applications may cause slight tip burn of marginal leaf necrosis on some varieties. Test on a few plants to determine varietal susceptibility
Roses Boston Ivy	Japanese Beetle	1.13 lb (21.3 oz)	As the Japanese Beetles begin to appear Repeat applications at 2 week intervals may be necessary.	

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NOTE: This product is sold by weight and package is full when packed and due to fluffy nature this material is graded to some.

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