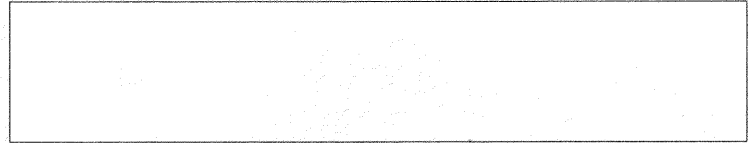


DOCUMENT SCAN CONTROL SHEET

Document ID 502304



EPA # 59639-26

EPA #
For SLN

Product ORTHENE TURF, TREE AND ORNAMENTAL WSP
Name

Accepted
Date 6/14/2005

Document
Type PRILAB

Registration ID 34883

FORM: 1083-H
 NAME: Orthene Turf, Tree & Ornamental WSP
 KIND: 24 page CCL Booklet w/Base (AJ1671)
 DATE: 01/09/03

CYAN
 MAGENTA
 YELLOW
 BLACK

PRODUCT SIZE: 1 Lb (3/1/3" Lb Pouches)
 CLOSED BOOKLET SIZE: 3-5/8" x 4-5/8"
 OPEN BOOKLET SIZE: 7-1/4" x 4-5/8"
 BASE LABEL 4-1/8" x 4-5/8"
 UCC-EAN: (01) 0 06 53204 03869 2

Page 24


Front Page 1

ACCEPTED
 FOR REGISTRATION
 JUN 14 2005
 NEW YORK STATE DEPARTMENT
 OF ENVIRONMENTAL CONSERVATION
 DIVISION OF SOLID & HAZARDOUS MATERIALS
 PESTICIDE PRODUCT REGISTRATION

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 TAME® - Reg. TM of Valent U.S.A. Corporation for fenpropathrin insecticide-miticide.

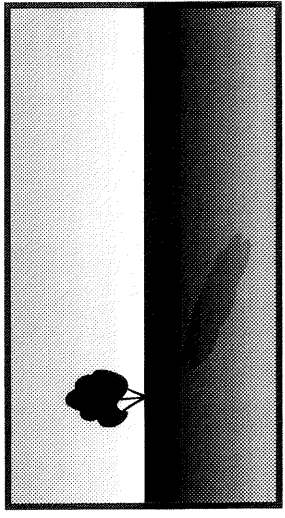
Manufactured for
Valent U.S.A. Corporation
 10000 Cactus
 Via Lindero, CA 94596-8025
 www.valent.com
 Form 1083-H Made in U.S.A.
 EPA Reg. No. 59639-26
 EPA Est. 39578-TX-01 © 67545-AZ-01 © 33967-NJ-01 ©

24




Orthene®

TURF, TREE & ORNAMENTAL WSP



INSECTICIDE IN A WATER SOLUBLE BAG



KILLS FIRE ANTS


Active Ingredient
 Acephate (O,S-Dimethyl acetyl-
 phosphoramidate) 75%
 Other Ingredients 25%
 Total 100%

By Wt.
 Acephate (O,S-Dimethyl acetyl-
 phosphoramidate) 75%
 Other Ingredients 25%
 Total 100%

EPA Reg. No. 59639-26
 EPA Est. 39578-TX-01 © 67545-AZ-01 ©
 33967-NJ-01 ©

KEEP OUT OF
 REACH OF CHILDREN
CAUTION
 SEE BOOKLET FOR ADDITIONAL
 PRECAUTIONARY STATEMENTS

NET WEIGHT 1 POUND (3/1/3 POUND POUCHES)



(01) 0 06 53204 03869 2

Form 1083-H

4-5/8"

3-5/8"

3-5/8"

RECEIVED
 PESTICIDE DIVISION
 2008 DEC 22 AM 11:03

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS
CAUTION: Harmful if swallowed. Causes eye irritation. Avoid contact with eyes, skin and clothing. Avoid contact with plants and animals. Do not allow children or pets to come into contact with treated areas until sprays have dried.

FIRST AID

Acephate is an organophosphate, cholinesterase inhibitor.
If swallowed: Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor.
If in eyes: Do not give anything by mouth to an unconscious person. Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eye.
If on skin or clothing: Call a poison control center or doctor for treatment advice. Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.
If inhaled: Call a poison control center or doctor for treatment advice. Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

HOT LINE NUMBER
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-852-0669 for emergency medical treatment information.

NOTES TO PHYSICIAN

This material contains a cholinesterase inhibitor. Measurement of blood cholinesterase activity may be useful in monitoring exposure but decisions regarding treatment will usually need to be made before test results are available. If signs of cholinesterase inhibition appear, atropine sulfate is antidotal. 2-PAM (PROTOPAM) is also antidotal and may be used in conjunction with atropine but should not be used alone.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Wear long-sleeved shirt and long pants, shoes plus socks and chemical-resistant headgear for overhead exposure. **Mixers and Loaders must wear** long-sleeved shirt and long pants, waterproof gloves, shoes plus socks and chemical-resistant headgear. **Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.** Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:
• Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
• Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
• Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

4-5/8"

3-5/8"

3-5/8"

ENVIRONMENTAL HAZARDS: This pesticide is toxic to birds. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply directly 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.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the circumstances and methods of personal protective equipment (PPE), and restricted-entry intervals. The requirements of this Standard apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, waterproof gloves, shoes plus socks and chemical-resistant headgear for overhead exposure.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are **NOT** within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies to uses of this product to produce agricultural plants on farms, forests, nurseries, or greenhouses. For other areas, including golf courses and other non-agricultural areas, do not enter treated areas without protective clothing until sprays have dried.

4-5/8"

3-5/8"

3-5/8"

3-5/8"

3-5/8"

DISCLAIMER, RISKS OF USING THIS PRODUCT, LIMITED WARRANTY AND LIMITATION OF LIABILITY

IMPORTANT: Read the entire Label, including this Disclaimer, Risks of Using this Product, Limited Warranty, and Limitation of Liability, before using this product. If the terms are not acceptable, THEN DO NOT USE THE PRODUCT; rather, return the unopened product within 15 days of purchase for a refund of the purchase price.

RISKS OF USING THIS PRODUCT

The Buyer should be aware that there are, collectively herein as "Buyer's", of this product, should be aware that there are inherent risks associated with the use of this product which are impossible to eliminate. These risks include, but are not limited to, injury to plants and crops to which this product is applied, lack of control of the target pests or weeds, resistance of the target pest or weeds to this product, injury caused by drift, and injury to rotational crops caused by carryover in the soil. Such risks of crop injury, non-performance, resistance or other unintended consequences are unavoidable and may result because of such factors as weather, soil conditions, disease, moisture conditions, irrigation practices, condition of the crop at the time of application, presence of other materials either applied in the tank mix with this product or in the application, or other factors beyond the control of the Buyer. The Buyer should be aware that these inherent unintended risks may reduce the harvested yield of the crop in all or a portion of the treated acreage, or otherwise affect the crop such that additional care, treatment and expense are required to take the crop to harvest. If the Buyer chooses not to accept these risks, THEN THIS PRODUCT SHOULD NOT BE APPLIED. By applying this product Buyer acknowledges and accepts these inherent unintended risks AND AGREES THAT ALL SUCH RISKS ASSOCIATED WITH THE APPLICATION AND USE ARE ASSUMED BY THE BUYER.

LIMITED WARRANTY

Valent warrants only that this product conforms to the chemical description on the label and is reasonably fit for the purposes, uses and applications described on the label. Buyer assumes all risks associated with the use of this product in any manner or under conditions not specifically directed or approved on the label.

EXCLUDED DAMAGES

Valent does not warrant, and does not intend to warrant, against consequential or special damages that may be claimed) resulting from use of this product in any manner not set forth on the label. Buyer assumes all risks associated with the use of this product in any manner or under conditions not specifically directed or approved on the label.

WARRANTY LIMITATION OF LIABILITY

In no event shall Valent or Seller be liable for any incidental, consequential, indirect or special damages resulting from the use or handling of this product. The limitation includes, but is not limited to, loss of yield on all or any portion of the treated acreage, increased expenses, or altered finance ratings, emotional or mental distress and/or exemplary damages. **THE EXCLUSIVE REMEDY OF THE BUYER, AND THE EXCLUSIVE MAXIMUM LIABILITY OF VALENT OR SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT OR, AT THE ELECTION OF VALENT OR SELLER, THE REPLACEMENT OF THE PRODUCT.** (continued)

4-5/8"

STORAGE AND DISPOSAL

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.
Do not store or transport near food or feed.
Do not contaminate food or feedstuffs.
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 1-800-882-0099.

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

Do not reuse or refill this bag. Dispose of the outer bag in a sanitary landfill or by incineration or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

4-5/8"

(continued)

RIGHT NOTICE OF CLAIM

Buyer agrees, as soon as Buyer has reason to believe it may have a claim, but in no event later than twenty-one days from date of planting, or twenty-one days from the date of application, whichever is later, so that an immediate inspection of the affected property and growing crops can be made. If Buyer does not notify Valent of any claims, in such period, it shall be barred from obtaining any remedy.

NO AMENDMENTS

Valent and Seller offer this product, and Buyer accepts it, subject to the foregoing Disclaimer, Risks of Using This Product, Limited Warranty and Limitation of Liability, which may not be modified by any oral or written agreement.

TANK MIXES

NOTICE: Tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of user, applicator and/or application advisor.

Read and follow the entire label of each product to be used in the tank mix with this product.

DIRECTIONS: This bag contains three water soluble pouches of ORTHENE Turf, Tree & Ornamental WSP. Do not handle the pouches with wet gloves or allow the pouches to become wet prior to addition to spray tank. Do not break open pouches. Refer to the Tables of Equivalents to calculate the number of pouches to use. If all pouches are not used, close and reseal outer container to protect remaining pouches.

PREPARATION OF SPRAY SOLUTION

To prepare spray solution, drop the unopened pouch(es) of ORTHENE Turf, Tree & Ornamental WSP into a spray tank containing at least one-half the total quantity of water required. Direct water at the floating pouch(es) and continue to add water with the agitator running until the spray volume is reached. Do not break open pouches until the spray volume is reached. After the spray volume is reached, the pouch(es) and its contents have completely dissolved. Water soluble pouches should contain no more than approximately five minutes. Dissolution rate may be slowed by cold water, lack of agitation, or water containing high concentrations of boron or sulfur.

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

3-5/8"

3-5/8"

GREENHOUSE FLORAL AND FOLIAGE PLANT CROPS (continued)

Plants	Insects	Amount of ORTHENE Turf, Tree & Ornamental WSP Per 100 Gals.	Time of Application	Recommended Application
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.	Apply the specified amount of ORTHENE Turf, Tree & Ornamental WSP in 100 gals. water with a hydraulic sprayer as a full coverage spray. Do not apply more often than once every 28 days to Carnations and Chrysanthemums. Caution: Phytotoxicity has occurred in the following Chrysanthemum varieties: Albatross, Bonnie Jean, Dixie, Garland, Gem, Iceberg, Pride, Showoff, Statesman, Tally Ho, Westward Ho, and Wild Honey. Do not apply ORTHENE Turf, Tree & Ornamental WSP to these varieties until two weeks after the plants have been treated. Do not apply to Chrysanthemums and Roses with open flowers.

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.

3-5/8"

Table of Equivalents

Amount of ORTHENE Turf, Tree & Ornamental WSP per 100 Gallons Water	1-1/3 lbs.	1 lb.	3/4 lb.	1/2 lb.	1/3 lb.
Amount Active Contained	1 lb.	3/4 lb.	1/2 lb.	1/4 lb.	1/4 lb.

Table of Equivalents for 1/3 lb. Pouch

Rate of ORTHENE Turf, Tree & Ornamental WSP per 100 Gallons Water	Number of 1/3 lb. Pouches per 100 Gallons Water
1/3 lb.	1
2/3 lb.	2
1 lb.	3
1-1/3 lbs.	4

Rate of ORTHENE Turf, Tree & Ornamental WSP

Per Acre	Per 1,000 Sq. Ft.	Treatment Area per 1/3 lb. Pouches	Sq. Ft.
1-1/3 lbs.	0.5 oz.	Acres	11,000
2-2/3 lbs.	1.0 oz.		5,400
6-2/3 lbs.	2.5 oz.		2,200

SPECIALTY USE NON-CROP AREAS

Crop	Insects	ORTHENE Turf, Tree & Ornamental WSP	Further Use Instructions
Non-Crop Areas	Ants including Imported Fire Ants and Harvester Ants*	Mound Treatment - Drench Method: Mix 1 oz. 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 10' x 4' area 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 injured. Do not treat mound more than once per season.

* Not registered in CA for control of Harvester Ants.

3-5/8"

4-5/8"

GREENHOUSE FLORAL AND FOLIAGE PLANT CROPS (continued)

Plants	Insects	Amount ORTHENE Turf, Tree & Ornamental WSP Per 100 Gals.	Time of Application	Recommended Application
Foliage Plants Anthuriums Cacti Orchids Poinsettia	Sweetpotato Whiteflies (Except CA)	1/3 lb. (5.3 oz.) plus TAME@ 24 EC Spray 10-23 fl. oz. (0.2 lb. ai)	Apply when insects first appear. If a population is well established, make one application of the tank mix and follow 5 to 7 days later with another application of TAME alone. See TAME label for instructions.	For sweetpotato whitefly control, apply the specified amount of ORTHENE Turf, Tree & Ornamental WSP plus TAME 24 EC Spray as a tank mix at the time necessary to control the pest. Follow the TAME label for specific instructions on the alternation of TAME plus ORTHENE and TAME alone and the rotation instructions to avoid potential resistance. (continued)

4-5/8"

SPECIALTY USES CONTAINER GROWN NURSERY STOCK

Plants	Insects	Amount ORTHENE Turf, Tree & Ornamental WSP Per 100 Gals.	Time of Application	Recommended Application
Container Grown Nursery Stock (Anonviteae, Azalea, Camellia, Rhododendron, Roses, Viburnum, Yew)	Black Vine Weevil Strawberry Root Weevil	1 lb. (16 oz.)	Application should be made by mid-September for greenhouse stock and by mid-October for outdoor stock. Consult your local agent for information on the identification and control of root weevils on ornamentals.	Apply the specified amount of ORTHENE Turf, Tree & Ornamental WSP per 100 gals. of solution so as to thoroughly drench the root system.
	Ants, including Fire Ants and Harvester Ants*	1 lb. (16 oz.)	Apply as needed to control the pest.	

* Not registered in CA for control of Harvester Ants.

TREES AND SHRUBS

Plants	Insects	Amount ORTHENE Turf, Tree & Ornamental WSP Per 100 Gals.	Time of Application	Recommended Application
Trees and Shrubs (Except Flowering Crabapple, see page 10).	Aphids Bagworms Birch Leafminers Cane Borers Lace Bugs Leafrollers	1/3 lb. (5.3 oz.)	As the insects begin to appear.	Apply the specified amount of ORTHENE Turf, Tree & Ornamental WSP in 100 gals. of solution with a hydraulic sprayer. The application of a suitable sticker improves control of Gypsy Moth larvae. (continued)

18

7

3-5/8"

3-5/8"

TREES AND SHRUBS (continued)

Plants	Insects	Amount ORTHENE Turf, Tree & Ornamental WSP Per 100 Gals.	Time of Application	Recommended Application
Trees and Shrubs (Except Flowering Crabapple, see page 10)	Douglas Bark Beetle Moth Gypsy Moth Larvae* Webworms	2 1/2 lb. (10.5 oz.)	As the insects begin to appear.	*Mist blower application. Adjust rates to 1-1 1/2 lbs. per 100 gals. water for Gypsy Moth control and 1.0 lb. per 100 gals. water for Tent Caterpillar control.
	Scalies (Crawlers)	2 1/2 lb. (10.5 oz.)	As crawlers begin to appear. Repeat application at 2 week intervals, if necessary, where there is continuous crawler production.	Do not apply to Huckleberry, Bay, Black Cottonwood, Lombardy Poplar and Viburnum suspensum. Nursery crops. Before treating large plantings, spray only a few plants (about two weeks) for phytotoxicity.
	Ponderosa Pine Needle Miner	2 1/2 lb. (10.5 oz.)	Time of application is important. Consult your Farm Advisor or County Extension Agent.	Apply the specified amount of ORTHENE Turf, Tree & Ornamental WSP in 100 gals. water with a hydraulic sprayer as a full coverage spray.
	Gresshoppers	2 1/2 lb. (10.5 oz.)	As the grasshoppers begin to appear.	
	California Oakworm Caterworms (Spring and Fall)	1 1/2 to 2 1/2 lb. (6.3 to 10.5 oz.)	As the insects begin to appear. Use the higher amount when the large larvae are present.	Apply the specified amount of ORTHENE Turf, Tree & Ornamental WSP in 100 gals. water with a hydraulic sprayer. (continued)

8

4-5/8"

GREENHOUSE FLORAL AND FOLIAGE PLANT CROPS

Plants	Insects	Amount ORTHENE Turf, Tree & Ornamental WSP Per 100 Gals.	Time of Application	Recommended Application
Roses	Leafrollers	2 1/2 to 1 lb. (10.5 to 16 oz.)	As leafrollers begin to appear. Use the higher amount when the large larvae are present.	Apply the specified amount of ORTHENE Turf, Tree & Ornamental WSP in 100 gals. water with a hydraulic sprayer as a full coverage spray.
Foliage Plants Anthuriums Cacti Orchids Poinsettia	Aphids Mealybugs Whiteflies	1 1/3 lb. (5.3 oz.) 2 1/2 lb. (10.5 oz.)	As aphids begin to appear. As the insects begin to appear. Repeat application at 2 week intervals, if necessary, for control of mealybugs and whiteflies.	Apply the specified amount of ORTHENE Turf, Tree & Ornamental WSP in 100 gals. water with a hydraulic sprayer as a full coverage spray. The addition of a wetting agent may be required on difficult to wet foliage.
	Scalies (Crawlers)	2 1/2 lb. (10.5 oz.)	As crawlers begin to appear. Repeat application at 2 week intervals, if necessary, where there is continuous crawler production.	Caution: Phytotoxicity has occurred on the following plants: Blechnum glaberrimum Cissus amara, Ficus triangularis, Fritonia verischaaffii, Maranta leucocarpa kerchoveana, Pachystachya lutea, Peperomia australis, Peperomia sp., Polka Dot Plant, Poinsettia, Pteris ensiformis, Toimlea menziesii. Before treating large plantings spray only a few plants and observe two weeks for ventral phytotoxicity. Apply ORTHENE Turf, Tree & Ornamental WSP on Poinsettias after bract formation may result in phytotoxicity on certain varieties. (continued)

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3-5/8"

3-5/8"

OUTDOOR FLORAL CROPS AND GROUND COVERS

Plants	Insects	Amount ORTHENE Turf, Tree & Ornamental WSP Per 100 Gals.	Time of Application	Recommended Application
Chrysanthemums Daisies Fleming's Lily Gladioli Gypsophila Pachysandra Pansy Peony Roses Sedum Strawflower Yarrow Zinnia	Aphids Thrips Lygus	23 lb. (10.5 oz.)	As insects begin to appear. Repeat applications may be necessary.	Apply the specified amount of ORTHENE WSP in 100 gals. water with a hydraulic sprayer as a full coverage spray. Multiple applications may cause slight tip burn or marginal necrosis on some varieties. Test on a few plants to determine varietal susceptibility.
Roses Boston Ivy	Japanese Beetle	1-1/3 lbs. (21.3 oz.)	As the Japanese Beetles begin to appear. Repeat applications at 2 week intervals may be necessary.	

4-5/8"

TREES AND SHRUBS (continued)

Plants	Insects	Amount ORTHENE Turf, Tree & Ornamental WSP Per 100 Gals.	Time of Application	Recommended Application
Trees and Shrubs (except Conifers, see next page)	Namocket Pine Tip Moth, Larvae	1 lb. (16 oz.)	Time of application is important. Consult your Farm Advisor or County Extension agent. Repeat applications will be required for subsequent generations.	Apply the specified amount of ORTHENE WSP in 100 gals. water with a hydraulic sprayer.
	Root Weevil Adults	1 lb. (16 oz.)	Apply when first feeding damage occurs. Repeat applications at four week intervals may be necessary for complete foliage protection.	Apply the specified amount of ORTHENE WSP in 100 gals. water with a hydraulic sprayer as a full coverage spray.
	Box Elder Bugs Shawflies Buckhorn Leafhoppers	1 lb. (16 oz.)	As the insects begin to appear.	
	Japanese Beetle	1-1/3 lbs. (21.3 oz.)	As the Japanese Beetles begin to appear. Repeat applications at 2 week intervals, may be necessary.	
	Elm Leaf Beetle (larvae)	1-1/3 lbs. (21.3 oz.)	As the larvae begin to appear, ORTHENE will not prevent Elm Leaf Beetle eggs from hatching.	
Douglas Fir (Christmas Trees)	Douglas Fir Needle Midge	23 lb. (10.5 oz.) (23 lb. per acre)	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 WSP in not less than 2 gals. of spray per acre by air or in 100 gals. of spray per acre by ground.

9

3-5/8"

3-5/8"

16

(continued)

TREES AND SHRUBS (continued)

Plants	Insects	Amount ORTHENE Turf, Tree & Ornamental WSP Per 100 gals.	Time of Application	Recommended Application
Flowering Crabapples	Aphids Tent Caterpillars Leafrollers	1/2 lb. (5.3 oz.)	As the insects begin to appear.	Apply the specified amount of ORTHENE WSP per each gallon of water with a hydraulic sprayer. Do not apply more often than 3 times in a growing season at a 4 week interval. Caution: Phytotoxicity has occurred on the following Crabapple varieties: Hopa, Ichonoki, Malusibunda, Pink Perfection, Red Wine and Snow Cloud.

GOLF COURSE AND SOD FARM TURFGRASS
DO NOT ALLOW LIVESTOCK TO GRAZE TREATED AREAS. DO NOT FEED TREATED GRASS TO LIVESTOCK.

Plants	Insects	Amount ORTHENE Turf, Tree & Ornamental WSP Per 1000 Sq. Ft.	Time of Application	Recommended Application
Golf Course Sod Farm Turfgrass	Fall Armyworm Yellow-Striped Armyworm Southern Armyworm Cutworm	1/2 lb. 1.7 oz. (14.7 oz.) 3-1/4 lbs. (per acre) 1 1/2 to 2 1/4 oz. (3-1/4 to 6-2/3 lbs. per acre)	As the insects appear, apply the specified amount of ORTHENE WSP per 1,000 sq. ft. Use a minimum of 5 gals. water per 1,000 sq. ft. to obtain good coverage.	Apply the specified amount of ORTHENE WSP per each gallon of water per each gallon of water used. Use a minimum of 5 gals. water per 1,000 sq. ft. to obtain good coverage.

3-5/8"

OUTDOOR AND PERIMETER SPRAY

Location	Insects	Amount ORTHENE Turf, Tree & Ornamental WSP	Time of Application	Recommended Application
Outdoor and Perimeter Area	Wasps	Mix 1/3 lb. in 3.3 gals. of water.	Treat early or late in the day, as wasps are generally less active during these times.	Apply the specified amount of ORTHENE WSP per each gallon of water used. Apply as a spot treatment to the nest, nest entrance, and surrounding areas where the wasps alight.
	Ants: Including Imported Fire Ants and Harvester Ants* Cockroaches Earwigs Flies	Mix 1/8 lb. in 3.3 gals. of water.	As the insects appear.	Apply the specified amount of ORTHENE WSP per each gallon of water used. Apply to a band of soil 6 to 10 feet adjacent to the structure and to a height of 2 to 3 feet. Treat areas where nests may be active or may find entrance. Also apply as a residual spray or with a paint brush to surfaces of buildings, window frames, shutters, eaves, soffits, porches, carports, around garage areas and other areas where these pests congregate.

Note: Not for use on residential turfgrass.

*Not registered in CA for control of Harvester Ants.

3-5/8"

4-5/8"

MOUND TREATMENT OF FIRE ANTS AND HARVESTER ANTS IN TURFGRASS

Plant	Insects	Amount ORTHENE Turf, Tree & Ornamental WSP	Time of Application	Recommended Application
Turfgrass Residential, Recreational, Commercial Turfgrass	Ants, Including Imported Fire Ants and Harvester Ants	Mound Treatment- Drench Method: 26.6 oz. (1/3 lb.) in water. Apply 1 gal. of mix to each mound area by sprinkling the mound until it is wet and then pour (4) from diameter circle around the mound.	For best results apply the material in the early morning or late after- noon 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.	Apply the specified amount of ORTHENE turf, tree & ornamental WSP as directed. Grass in treated areas may be injured. Do not treat mound more than once per season.

*Not registered in CA for control of Harvester Ants.

4-5/8"

**GOLF COURSE AND SOD FARM TURFGRASS (continued)
DO NOT ALLOW LIVESTOCK TO GRAZE TREATED AREAS. DO NOT FEED TREATED
GRASS TO LIVESTOCK.**

Plants	Insects	Amount ORTHENE Turf, Tree & Ornamental WSP Per 1000 Sq. Ft.	Time of Application	Recommended Application
Golf Course and Sod Farm Turfgrass	Chinch Bugs	1.2 to 2.4 oz. (3-1/4 to 6-2/3 lbs. per acre)	Apply as needed for adult population knockdown (10 to 14 days).	Apply the specified amount of ORTHENE Turf, Tree & Ornamental WSP per 1,000 sq. ft. Use 1 to 15 gals. water per 1,000 sq. ft. to obtain good coverage.
	Fleas	1.2 to 2.4 oz. (3-1/4 to 6-2/3 lbs. per acre)	Apply as needed for knockdown (7 to 10 days) only of existing adult populations.	
	Sod Webworm (Pachys spp.)	1/2 to 1 oz. (1.5 to 2.5 lbs. per acre)	As sod webworms begin to appear. Use the lightest amount needed or with heavy infestations. Repeat application may be necessary. Do not repeat at more than 1 week intervals.	
	Leathopper	1 oz. (2-3/4 lbs. per acre)	As the leathoppers begin to appear. A repeat application at 1 week intervals may be necessary.	(continued)

3-5/8"

3-5/8"

GOLF COURSE AND SOD FARM TURFGRASS (continued)
DO NOT ALLOW LIVESTOCK TO GRAZE TREATED AREAS. DO NOT FEED TREATED GRASS TO LIVESTOCK

Plants	Insects	Amount ORTHENE Turf, Tree & Ornamental WSP Per 1000 Sq. Ft.	Time of Application	Recommended Application
Golf Course and Sod Farm Turfgrass	Mole Crickets (Except CA) and Ground Squirrels (Except CA)	1.0 to 1.9 oz. (2.86 to 5.2 lbs. per acre)	As mole crickets begin to appear. For knock-down or feeding populations, the application may be required throughout the growing season. For heavy infestations, use the higher dosage rate.	Apply the specified amount of ORTHENE WSP per 1,000 sq. ft. of turf. Use 1.0 to 1.9 oz. per 1,000 sq. ft. to obtain good coverage. Apply during late afternoon or early evening hours and after an irrigation if irrigated after application. The use of a lemon fragrance substance in the spray mix may enhance control by acting as a flushing agent and thus increase the contact of ORTHENE Turf, Tree & Ornamental WSP. The following lemon-scented products have been shown to be effective flushing agents: Luscious, Palmyra, and Mighty Myrt Products Manufacture - Base Pure Lemon Fragrance. The use rate for these lemon-scented products is 2 teaspoons per gallon of spray mix or 1.5 oz. per 50 gals. of water for large total mix volumes. (continued)

4-5/8"

GOLF COURSE AND SOD FARM TURFGRASS (continued)
DO NOT ALLOW LIVESTOCK TO GRAZE TREATED AREAS. DO NOT FEED TREATED GRASS TO LIVESTOCK

Plants	Insects	Amount ORTHENE Turf, Tree & Ornamental WSP Per 1000 Sq. Ft.	Time of Application	Recommended Application
Golf Course and Sod Farm Turfgrass	Greenling Grasshoppers	1.7 oz. (4.75 lbs. per acre)	Apply when insects or damage first appears. Repeat as necessary. Application is not to be repeated at intervals more than 1 week.	Apply the specified amount of ORTHENE WSP per 1,000 sq. ft. of turf. Use 4 gals. of water per 1,000 sq. ft. to obtain good coverage. Do not mow turfgrass for at least 24 hours after application.
	Black Turfgrass Ategens (Except CA)	1.5 to 1.9 oz. (4.1 to 5.2 lbs. per acre)	Apply when insects or their damage first appears.	Apply the specified amount of ORTHENE WSP per 1,000 sq. ft. of turf. Use a minimum of 5 gals. of water per 1,000 sq. ft. application (more than 10 gals. if the higher rate for severe infestations).
Dichondra (Event Site for Golf Course and Sod Farm Turfgrass)	Cutworm, Flea Beetle, Southern Armyworm, Yellow Striped Armyworm	1.0 to 1.9 oz. (2.7 to 5.2 lbs. per acre)	As the insects appear. Repeat at weekly intervals as necessary.	Apply the specified amount of ORTHENE WSP per 1,000 sq. ft. of turf. Use a minimum of 15 gals. of water per 1,000 sq. ft. to obtain good coverage.

3-5/8"

3-5/8"

Base Label




Orthene®

TURF, TREE & ORNAMENTAL WSP



INSECTICIDE IN A WATER SOLUBLE BAG

   **KILLS FIRE ANTS**

**KEEP OUT OF
REACH OF CHILDREN**

CAUTION

SEE BOOKLET FOR ADDITIONAL
PRECAUTIONARY STATEMENTS

By Wt.
Active Ingredient
Acetate (0,5-Dimethyl acetyl)- 75%
Inert Ingredients 25%
Other Ingredients 100%

EPA Reg. No. 59639-26
EPA Est. 39578-TX-01©, 67545-AZ-01©,
3967-NJ-01©

NET WEIGHT 1 POUND (3/1/3 POUND POUCHES)

Form 1083-H

PRESS TO RESEAL

4-5/8"

4-1/8"