

# **ORNAMENTAL TREES AND SHRUBS - PONDEROSA PINE, NEEDLE MINER**

## General Information

### GENERAL INFORMATION

Orthene Turf, Tree & Ornamental WSP is an insecticide for control of pests on selected agricultural crops and in certain non-crop areas. The active ingredient in Orthene Turf, Tree & Ornamental WSP is acephate, a water-soluble insecticide readily absorbed by plant roots and foliage to give systemic control of feeding insects. Insect pests are generally controlled more effectively by - through ingestion than by contact. Application of Orthene Turf, Tree & Ornamental WSP to maintain control should be repeated only as directed.

**FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR INSECT CONTROL, CROP INJURY AND/OR ILLEGAL RESIDUES.**

### GENERAL USE RESTRICTIONS

- For use on turf, use limited to sod farms and golf courses, except when applying to mound or spot treatment for fire ant and harvester ant control.
- Do not apply with low pressure handwand except for control of fire ants as a mound treatment and when used on ornamental trees, shrubs and floral plants grown for non-agricultural or non-commercial use.
- Not for indoor residential use. For greenhouse use, use is limited to commercial greenhouses for use on ornamental, floral, foliage plants and tobacco (floatbed application).

### CHEMIGATION

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

### SPRAY DRIFT MANAGEMENT

A variety of factors including weather conditions, (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, airblast, chemigation) can influence pesticide drift. The applicator and grower must

evaluate all factors and make appropriate adjustments when applying this product.

- All aerial, ground and air-assisted/airblast application equipment must be properly maintained and calibrated using water as carrier. Do not apply this product as an ultralow (ULV) spray, or in any carrier other than water.
- Use the largest droplet size consistent with good pest control. Small droplets are more prone to spray drift and can be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible, and by avoiding excessive spray boom pressure.
- Do not apply at wind speeds greater than 10 mph at the application site.
- Make applications when wind velocity favors on-target product deposition (approximately 3 to 10 mph).
- Apply as close to target plants as practical to obtain a good spray pattern for adequate coverage.
- For aerial applications, do not apply at heights greater than 10 feet (consistent with flight safety).
- For airblast applications, direct spray above foliage and turn off outward pointing nozzles at row ends and outer rows.
- For aerial applications, the spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used and must not exceed 75% of wing span or rotor diameter.
- For ground application, do not apply at heights greater than 4 feet.

#### Limitations, Restrictions, and Exceptions

#### ORNAMENTAL TREES AND SHRUBS

#### GENERAL USE PRECAUTIONS

- Do not exceed 21 1/3 oz of Orthene Turf, Tree & Ornamental WSP per acre per application.
- For foliar applications, do not apply with a low pressure handwand.
- Foliar applications for all trees except Flowering Crabapples and Douglas Fir must not be made more than once every 14 days. See "Further Application Instructions" for spray interval information regarding Flowering Crabapples and Douglas Fir.

#### TIME OF APPLICATION

Time of application is important. Consult your Farm Advisor or County Extension Agent.

#### FURTHER APPLICATION INSTRUCTIONS

Apply the specified amount of Orthene Turf, Tree & Ornamental WSP in 100 gals water with a hydraulic sprayer. The addition of a suitable sticker improves control of Gypsy Moth larvae.

Mist blower application: Adjust rates to 1 1/3 lbs per 100 gals water for Gypsy Moth control and 1.0 lb per 100 gals water for Tent Caterpillar control.

AMVAC does not advise application to Huckleberry, Balm of Gilead, Cottonwood, Lombardy Poplar and Viburnum suspensum as it may result in phytotoxicity in these plants.

Nursery crops: Before treating large plantings, spray only a few plants and observe 2 weeks for phytotoxicity.

#### Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

#### Rates

[field rates 0](#)

[field rates 1](#)

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#### Restricted Entry Interval

24 hours

#### Timings

[N. A.](#)