Plant Defense is a broad-spectrum botanical insecticide and miticide.

For Use With:
- Agricultural Fruits
- Nuts
- Vegetables
- Ornamentals
- Landscapes
- Turf
- Greenhouses
- Nurseries

INSECTS CONTROLED:
Mites, Aphids, Thrips, White Fly and many additional types of insect pests. Plant Defense is a broad spectrum all-natural botanical contact miticide/ insecticide, active against many types of insects.

HOW DOES PLANT DEFENSE WORK?
Natural oils smother and suffocate on contact. Soap penetrates and strips the waxy exterior of soft-bodied insects, allowing them to dry out. And aromatic oils discourage and repel additional crop invaders. Because it employs a variety of physical strategies, pests are unlikely to develop resistance to this product. Plant Defense is suitable for use in organic agriculture and useful as a component of Integrated Pest Management (IPM) Programs.

This product is manufactured in compliance with the USA-EPA Minimum Risk Pesticide Regulation 40 CFR 152.25. This product is exempt from registration under this regulation.

USA EPA Establishment # 67638-IA-1

REI: No re-entry interval. Re-entry may be made as soon as product is dry.
PHI: No pre-harvest interval. Harvest may be made as soon as product is dry.
**DIRECTIONS FOR USE**

**NOTE:** Do not use on new transplants, newly rooted cuttings, or plants stressed by drought.

**MIXING DIRECTIONS:**
Shake well before use. For best results, use freshly mixed solution. Plant Defense can be applied through most standard or field type sprayers. For best results, spray coverage should be uniform and complete.

Adjuvants and spreaders may be utilized to produce more uniform distribution of sprayed materials.

Calibrate drop size in the spray process to produce optimum coverage.

Spray to wet all infested plant surfaces. Spray foliage up to the point of run-off.

**SPRAYER DIRECTIONS:**
Utilize agitation and recirculation in the spray equipment tank. Fill tank half full with water, then with agitation system activated, add the appropriate amount of Plant Defense and continue filling the sprayer. Spray formulation should be mixed well and often. If possible, use constant agitation.

Calibrate drop size in the spray process to produce optimum coverage. Spray to wet all infested plant surfaces. Spray foliage up to the point of run-off.

**DOSAGE:**
Utilize a general purpose dilution rate for Plant Defense of 75:1. The dilution rate can be modified as follows:
- Mild Infestation: 100:1
- Severe Infestation: 50:1

Use more dilute rates for light to moderate insect infestations and more concentrated rate for heavy infestations. Repeat application as required to maintain the desired level of control.

**TIMING THE TREATMENT:**
Apply when insects first appear or when damage occurs. Adjust timing to fit local growth and climatic conditions. This product can be applied up to day of harvest.

**FREQUENCY:**
For most pests, repeat application after several days to control newly hatched individuals. Do not make more than three sequential applications over a two-week period.

**GENERAL APPLICATION INSTRUCTIONS:**
Apply early in the morning or late in the afternoon. DO NOT apply in the mid-day. Spray directly onto pest(s) in order to maximize effectiveness. Thorough spray coverage is essential for good pest control. Plant Defense is compatible with most surfactants and conventional pesticides. The most effective ambient temperature range for application is 60-95° F (16-35° C). DO NOT mix Plant Defense with oxidizing agents such as bleach, bases or strong acids. Before attempting to tank mix Plant Defense, a jar test is recommended.

It is recommended to always test the selected dosage on a small area for any crop prior to treating the entire area, to observe for phytotoxicity.

Read the entire label before using this product. Use only according to label instructions.