

# EPISHIELD™

Insecticide and Miticide

EpiShield is a miticide and insecticide with a unique formulation that uses a synergistic blend of clove and peppermint oils. EpiShield is an effective IPM tool for resistance management due to multiple modes of action including suffocation, paralysis and desiccation.

#### ACTIVE INGREDIENTS

Peppermint Oil.....	15%
Clove Oil.....	10%
Sodium Lauryl Sulfate.....	3%

#### INERT INGREDIENTS

Soap, Polyglyceryl Oleate, Vegetable Oils, Oleic Acid, Citric Acid.....	72%
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**TOTAL** **100%**

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

#### **READ THE LABEL CAREFULLY AND USE ACCORDING TO THE LABEL INSTRUCTIONS**

For agricultural and commercial use; Greenhouse, Shadehouse, Interiorscape, and Nursery use on outdoor food crops, indoor plants, turfgrass, outdoor shrubs, trees and ornamentals.

#### **PRECAUTIONARY STATEMENTS**

Wear eye/face protection and use in well ventilated areas. Avoid breathing spray, mist or vapors and wash thoroughly after use. Wear long sleeve shirt, long pants, socks, shoes and chemical resistant gloves.

#### **FIRST AID**

**INGESTION:** Do not induce vomiting. Drink plenty of water and get medical attention.

**INHALATION:** Move the affected person immediately to a well-ventilated area with fresh air and get medical attention.

**SKIN CONTACT:** Wash the area thoroughly with soap and water.

**EYE CONTACT:** Immediately wash with plenty of water for 15 minutes.

**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 the National Pesticide Information Center at 1-800-858-7378 for emergency medical treatment information.

This product qualifies for exemption from EPA registration under 25(b) of Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

**Net Contents: 36 fl oz**

S-1215  
092023



**BioWorks®**

Exclusively distributed by:

**BioWorks, Inc.**  
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**DIRECTIONS FOR USE** - This product MUST be diluted in water before use. Use immediately after dilution. Mix at dilution rate on the label to prevent plant damage.

**MIXING DIRECTIONS** - Add sufficient water to the clean mixing tank to allow proper agitation. Add the correct amount of EpiShield to tank. Maintain agitation until solution is used. If other pesticides and/or adjuvants are to be added, do so after EpiShield has been thoroughly mixed.

**RECOMMENDED RATES OF APPLICATION**

100 gallons of solution per acre is recommended.

For indoor and outdoor agricultural and commercial use on food and non-food crops.	Control of Mites, Aphids	Foliar Application Rate: 9 - 12 fl oz per 100 gal per acre
	Suppression of Whiteflies, Mealybugs, Thrips	Dip Application Rate: 2.7 mL/gal

**APPLICATION INSTRUCTIONS - Foliar Application:** Apply 9-12 fl oz per 100 gallons of water (0.07-0.1% solution). Begin applications when arthropods first appear. Repeat applications as needed, 5 to 7 day interval recommended. Use enough spray solution to completely penetrate the leaf canopy and cover both top and bottom of all leaves until wet without runoff. Use caution when applying to buds, open bloom and fruit. Avoid intense light, heat, and humidity exposure after spray. Ensure plants are dry within 2 hours after application. **Dip Application:** Mix 0.09 fl oz (2.7 mL) per gallon of water (0.07 % solution). This product may be used to control pests when applied as a dip of unrooted cuttings or foliage (above-ground portions) of rooted cuttings. Clean and disinfect the dipping tank and equipment before a new dip solution is prepared. Prepare only as much dip solution as can be used in one day. If plant pathogens are a concern, prepare a new dip solution regularly throughout the day. Ensure full coverage by dipping for approximately 10-30 seconds while moving the plants around in the solution. Agitate dip solution throughout use. Certain plants may show phytotoxicity symptoms post-dipping. Prior to treating entire crop, test a small portion of the crop for sensitivity. Do not dip stressed/wilted cuttings or transplants. Do not tank mix with another product formulated with an oil carrier. Do not apply this product if bees and other pollinators are foraging in the treatment area.

**COMPATIBILITY** - EpiShield is compatible with most commonly used insecticides and fungicides. Read and follow all precautions and limitations on labeling of all products used in tank mixtures. Do not use with any product whose label recommends the use of no oils.

**PLANT SAFETY** - EpiShield has been tested on numerous plant varieties. However, since EpiShield has not been tested on all plant varieties or in combination with all available tank mixes, BioWorks strongly advises testing EpiShield on a small number of plants to check for adverse plant effects before applying to a larger number of plants.

**STORAGE AND DISPOSAL**

**STORAGE:** Keep in original closed container at room temperature.

**DISPOSAL:** Do not contaminate water or food. Do not reuse or refill containers. Recycle this container if appropriate. Dispose or incinerate according to your procedures. Follow your local waste disposal agency instructions for any leftover product in the container.

**WARRANTY:** Seller warrants that this product conforms to the description on this label and is reasonably fit for the purposes stated on this label when used and stored in accordance with the directions for use. This warranty does not extend to use of this product contrary to label directions or under conditions not reasonably foreseeable by the Seller, and Buyer and User assume the risk of any such use. To the extent consistent with applicable law, Seller disclaims all other warranties, express or implied, including any warranty of fitness or merchantability. To the extent consistent with applicable law, Seller shall not be liable for consequential, special or indirect damages resulting from use or handling of this product, and Seller's sole liability and Buyer's and User's exclusive remedy shall be limited to refund of the purchase price. This product is sold only for uses stated on its label. No express or implied license is granted to use or sell this product under any patent in any country except as specified.