



**BioWorks**<sup>®</sup>  
A MEMBER OF BIOBEST GROUP



ABOVE AND BEYOND IS WHERE WE BEGIN



## EPISHIELD<sup>®</sup>

EpiShield is a miticide and insecticide based on a proprietary blend of essential oils. Working on contact, EpiShield results in pest paralysis, suffocation, and desiccation. EpiShield delivers high mortality levels for controlling mites and aphids, while using 10x lower rates than other oil-based insecticides. This rate reduction of up to 10-fold gives growers more powerful results without storing and moving high volumes of product around the growing facility.



EPISHIELD DELIVERS UP TO 53% HIGHER MORTALITY RATE ON APHIDS AND MITES, WITH A 10X RATE REDUCTION WHEN COMPARED TO OTHER ESSENTIAL OIL INSECTICIDAL PRODUCTS.

### ACTIVE INGREDIENTS

Peppermint Oil, Clove Oil and Sodium Lauryl Sulfate

### FEATURES AND BENEFITS

- + Botanical ingredients with multiple modes of action for optimal disruption and control on contact.
- + Delivers highest levels of mite and insect control in class with 45x less oil delivered to the crop per application.
- + 10x lower use rates than horticultural oils
- + Exempt from REI and PHI restrictions
- + Minimal PPE
- + Ideal for spot sprays without interrupting operations
- + Excellent IPM program tool with no known risk of pest resistance or residue tolerance

### WHERE TO USE

EpiShield can be applied through most traditional, standard application methods to protect a wide range of crops including:

- + Annuals
- + Perennials
- + Seasonal plants
- + Nursery stock
- + Bedding crops
- + Cannabis
- + Berries and small fruit
- + Vegetables
- + Pome fruits



## EPISHIELD®

### PRODUCT INFORMATION

- + Available size: 36 fl oz
- + Registered for use in the USA. Please refer to website for up-to-date state registration information:  
[bioworksinc.com/products/epishield/](https://bioworksinc.com/products/epishield/)
- + Exempt from Maximum Residue Limits
- + No risk to the environment or human health

### REI & PHI

- + 0-hour REI, 0-day PHI

### SHELF LIFE

- + Store in a cool, dry place at or below 68 °F (20 °C)
- + Below 32 °F (0 °C): Do not freeze
- + Refrigerated 40 °F (4 °C): Not needed
- + Room Temperature: 12 months
- + Above 75 °F (24 °C): Store cool

### APPLICATION NOTES

- + Ensure thorough coverage
- + Ensure plants are dry within two hours after application
- + Spray when humidity is less than 90%
- + Spray before temperatures reach 90-95 F (33-35 °C)
- + Ensure plants are not drought stressed
- + Conduct a spray test on a few plants before applying to entire crop, especially when spraying onto flowers
- + Do not tank-mix or apply in rotation with sulfur-based products

### APPLICATION RATES

- + Use a fine to medium droplet size for optimal performance
- + Foliar spray to wet (not to runoff)
- + Do not allow spray mixture to stand overnight or for prolonged periods
- + Rate range is 9-12 fl oz/100 gal. Suggested rate for most applications is 9 fl oz/100 gal. Increase rate to 12 fl oz/100 gal for moderate to high infestation pressure
- + Thorough coverage is required to achieve maximum efficacy
- + Rate for dipping is 2.7 ml/gal

### GOING ABOVE AND BEYOND

At BioWorks, we not only help eradicate harmful diseases and pests that threaten your crops, but we design and support integrated plant health management programs. And because we know how quickly some diseases can work, we respond to any questions you might have in just 48 hours. So you can get back to the business of successful growing.



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