

A proprietary 3rd party research company conducted the research.

BioWorks Products Included in Trial

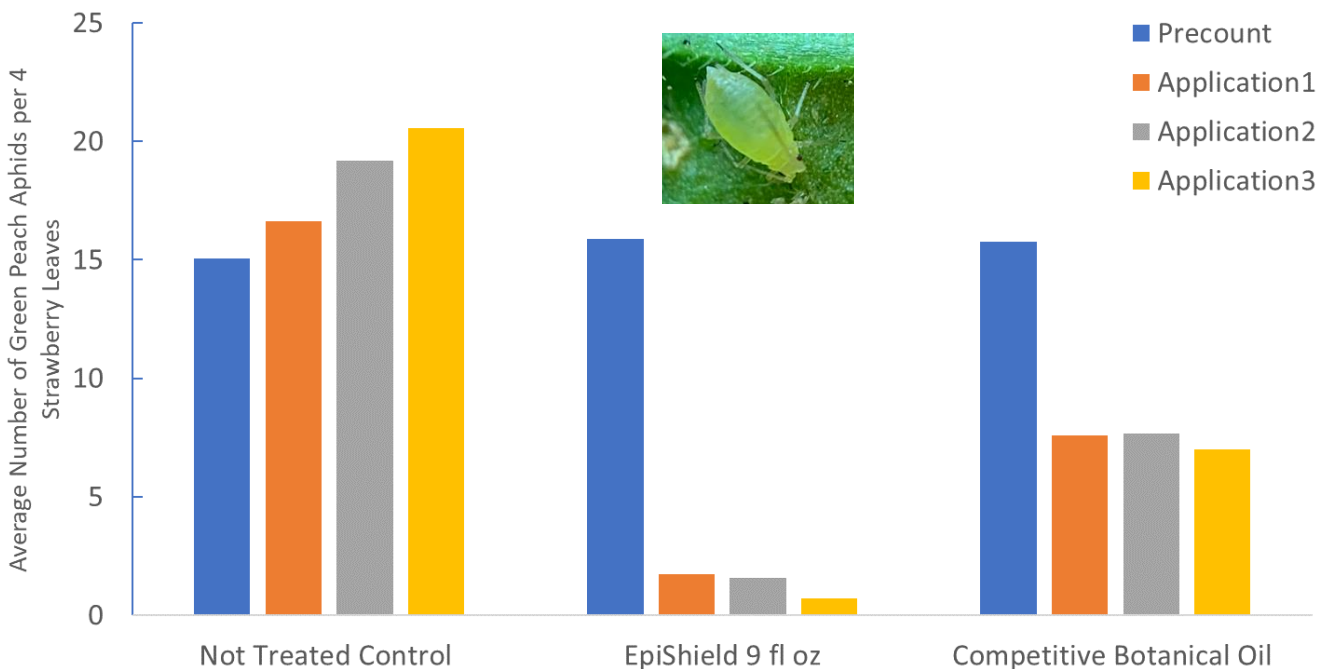
EpiShield™

Summary:

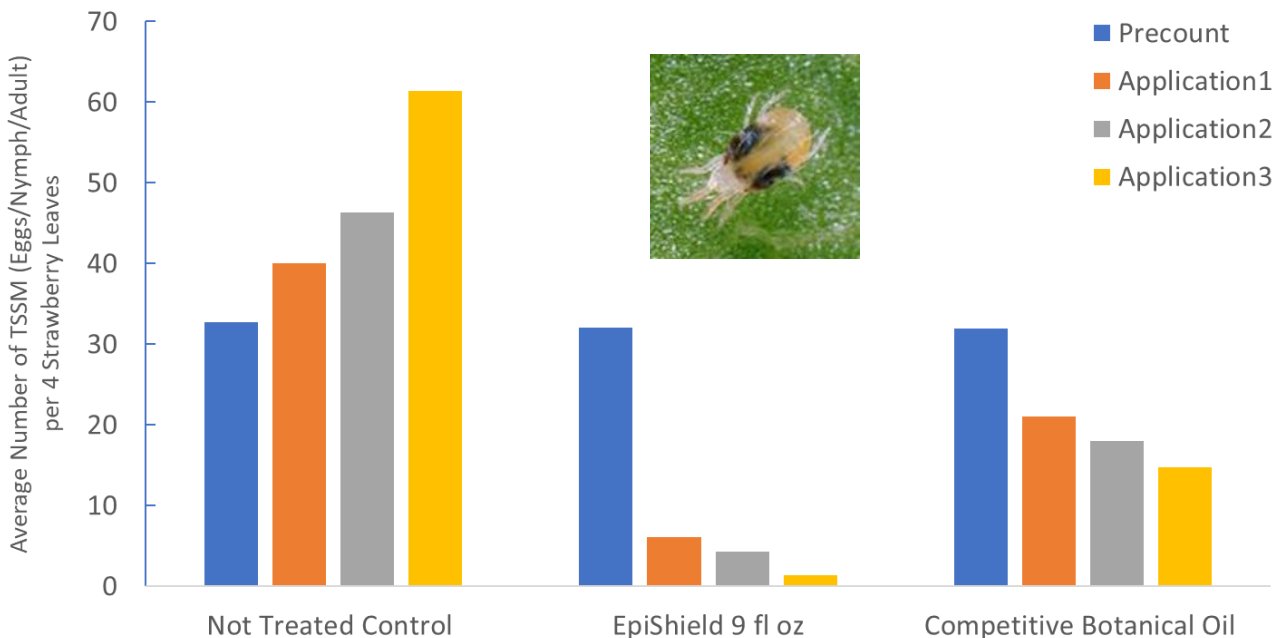
EpiShield controlled aphids and mites on greenhouse grown strawberry.

Treatment	Rate/100 Gallons
Untreated Check	-
Competitive Oil	64 fl oz
EpiShield	9 fl oz

Method Summary	
Crop	Strawberry (Albion)
Location	Greenhouse
Pest	Green peach aphids (<i>Myzus persicae</i>) Twospotted spider mites (<i>Tetranychus urticae</i>)
Trial Design	Randomized complete block
Application Method	Foliar Spray



Average number of green peach aphids per 4 leaves. Three applications were made three days apart, data recorded one day after treatment (November 21, 24, & 27 2021). EpiShield at 9 fl oz caused a 95.6% reduction and a competitive oil product caused a 55.3% reduction of green peach aphids after 3 applications.



Average number of twospotted spider mites. Three applications were made three days apart, data recorded one day after treatment (November 29, December 2 & 5 2021). EpiShield at 9 fl oz caused a 93.6% reduction and a competitive oil product caused a 56.2% reduction of twospotted spider mites after 3 applications.

Result Summary

- EpiShield (15% peppermint oil, 10% clove oil & 3% sodium lauryl sulfate) significantly reduced aphids and mites after three applications.
- EpiShield did not cause plant phytotoxicity during the study.

Recommendations from Data

- Apply EpiShield at 0.07% (9 fl oz/100 gallons) for control of arthropods.
- Apply EpiShield as a fine spray to full coverage but not the point of run off.
- EpiShield is ideal for integrated pest programs against damaging arthropod pests.