

BioWorks, Dr. Eric Clifton, Victor, New York

BioWorks Products Included in Trial

EpiShield®

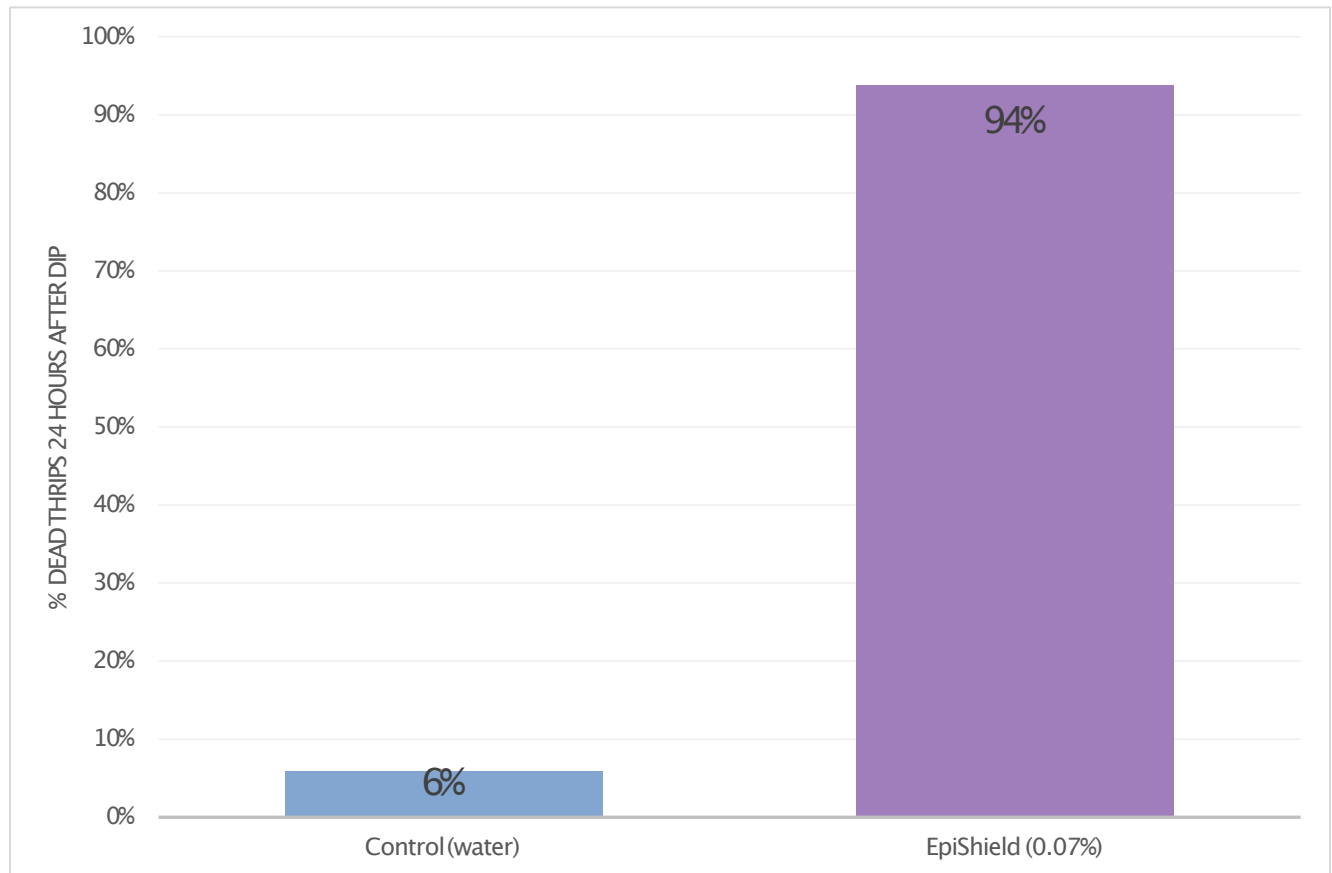
Summary:

Dipping mum leaves in EpiShield demonstrated high efficacy against multiple thrips species.

Treatment	Rate
Untreated Check	–
EpiShield	0.07% V/V

Method Summary

Crop	Belgian Mums
Variety	Conaco Orange
Location	Victor, NY –Lab
Pest	Poinsettia Thrips (Echinothrips americanus) Western Flower Thrips (Frankliniella occidentalis)
Application Dates	5/15/2024
Application Method	Leaf Dipping



Thrips mortality 24 hours after dipping leaves in water or EpiShield at 2.7 ml/gal (0.07%).



Examples of thrips killed by EpiShield

Result Summary

- Dipping mum leaves in EpiShield at 2.7 ml/gal (0.07%) resulted in 94% mortality of thrips 24 hours after dipping.
- An EpiShield dip provided effective control of both poinsettia thrips and western flower thrips.

Recommendations from Data

- Dip mum cuttings in EpiShield at 2.7 ml/gal (0.07%) to significantly lower thrips pressure during early production.
- Following a dip application, regularly release natural enemies and/or regularly spray bioinsecticides like EpiShield to manage thrips populations.