

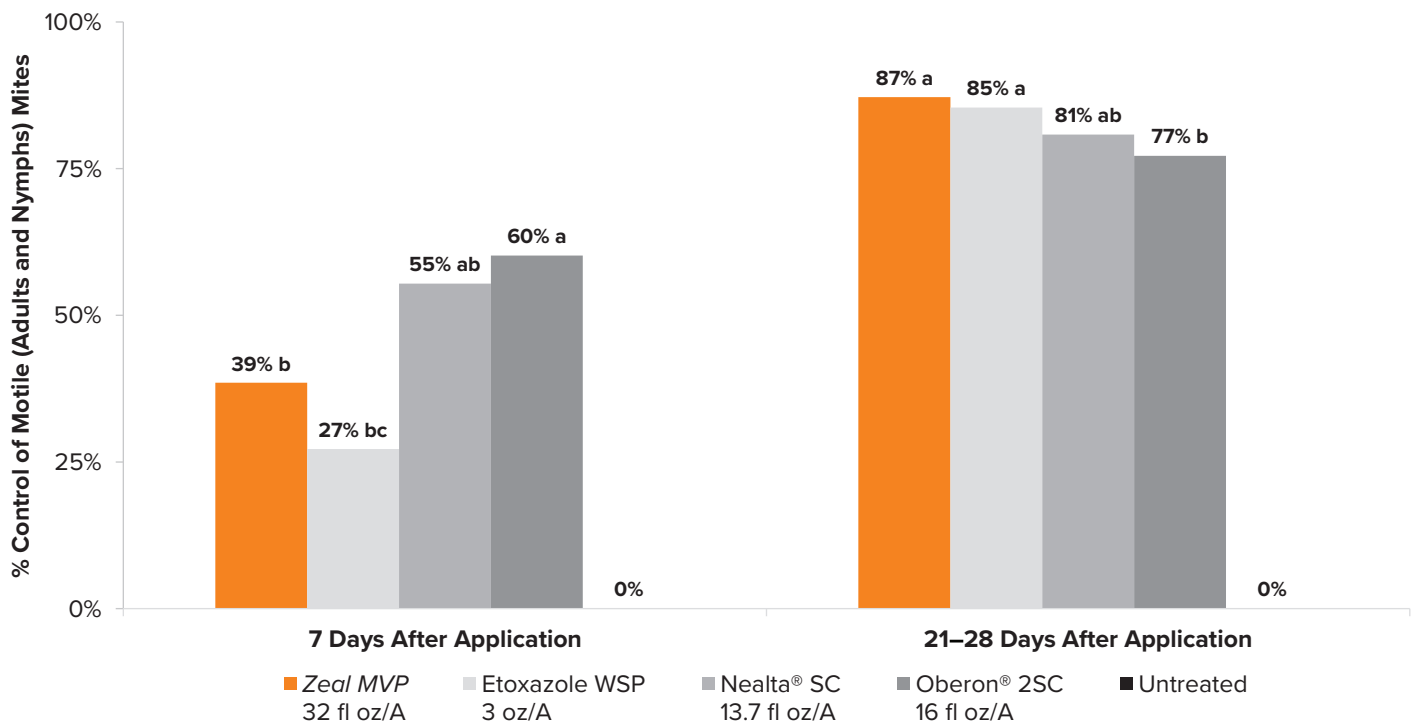
## Zeal® MVP Miticide: New Optimized Formulation Delivers Better and More Comprehensive Performance

Zeal® MVP Miticide is an optimized EC formulation of Etoxazole that delivers better and more comprehensive performance versus original Etoxazole water soluble packet formulations. *Zeal MVP* provides long-lasting control of spider mites, including two-spotted spider mite, Pacific mite and Willamette spider mite. Plus, *Zeal MVP* is an excellent fit in resistance management programs that include rotation or combination of different classes of chemistries.

- ▶ Proprietary liquid formulation that better delivers active ingredient to reach mites
- ▶ Quicker results on adults, preventing future colonization and feeding
- ▶ Enhanced control at all life stages, including adult and nymph suppression

### Zeal MVP Mite Control in Grapes

As demonstrated by the following data summary of multiple trials across California, Washington and Mexico, *Zeal MVP* provides quicker results on adults (7 days after application), preventing future colonization and feeding. *Zeal MVP* enhances control at all life stages, including adult and nymph suppression (21–28 days after application).



Means followed by the same letters are not significantly different ( $P \leq 0.01$ ).

Summary across trials in California, Washington and Mexico. Crop: Grapes. Total number of trials: 7. Private cooperators.

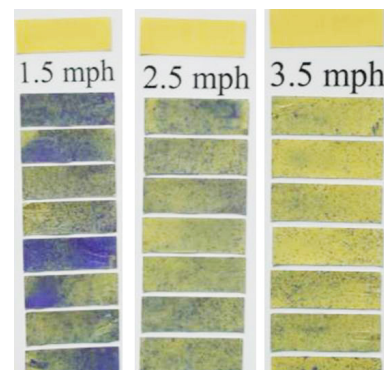
Source: Multiple trials

## How To Use

Rate	23–34.6 fl oz/A, <b>recommended rate 32 fl oz/A</b>
Number of Applications	One application per season
Timing	<i>Zeal MVP</i> is primarily an ovicide; therefore, apply early before mite populations increase
Adjuvant Recommendation	<ul style="list-style-type: none"> <li>Nonionic surfactant or horticultural mineral oil</li> <li><b>Do not use a <u>sticker</u>-type adjuvant</b></li> </ul>
Mixing	<ul style="list-style-type: none"> <li>Avoid tank mixes with sun protectants (Raynox® and kaolin) and sulfur</li> <li>Ensure water and final tank mix pH ranges from 5.5 to 8.0</li> <li>Apply within 6 hours after mixing</li> </ul>
Method	Apply by ground with airblast equipment as a full coverage spray
Spray Volume	Use higher water volumes on more compact and dense foliage
REI / PHI	12 hours / 14 days

## *Zeal MVP* Best Management Practices

- ▶ Treat as populations are building
  - When weather forecast predicts hot and dry conditions, spray sooner instead of later
- ▶ It can take 7–10 days to see full results with *Zeal MVP*. Wait 14 days after applying *Zeal MVP* before applying another miticide with a different mode of action.
- ▶ Mite thresholds should drive application timing, not calendar
- ▶ Mild winters result in large overwintering populations
  - If warm spring continues, threshold will be reached earlier than previous years
  - Scout historical hot spots and early plantings
  - Spider mite populations mid- to late-season are more difficult to control on most crops
- ▶ *Zeal MVP* continues to be easy on beneficials, including sixspotted thrips, lady beetles and lacewings
- ▶ Coverage is essential
  - Spray field at calibrated speed. Calibrated at 2.5 mph, sprayed at 3.5 mph cuts rate approximately 30%.
  - Avoid adjuvants known to inhibit translaminar activity
  - Treat whole fields—never skip borders or portions of the field as mites may already be there



**Spray Distribution Study**