#### INSECTICIDE



# IMMEDIATE KNOCKDOWN AND EXTENDED RESIDUAL CONTROL FROM CROP DAMAGING MITES

Enervate™ 50 WSB protects crops from mites like two-spotted spider, pacific spider, willamette and brown almond. Enervate 50 WSB provides immediate control of mites with on-contact and residual activity that lasts for up to 28 days. It contains the active ingredient, bifenazate, a highly effective miticide with complete life cycle control on labeled mites.

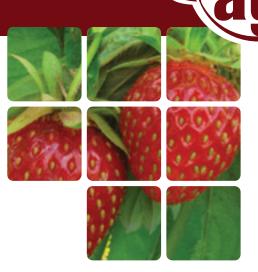
Enervate 50 WSB is also effective on resistant mites allowing you to gain control of mites with fewer applications and reducing the chances for resistance to develop. It is an excellent tank-mix partner and is an excellent addition to a resistance management and IPM program due to its unique mode of action and selective nature, minimizing the impact to beneficial mites and insects.

# **KEY BENEFITS**

- Extended residual control for up to 28 days
- Immediate knockdown control
- Excellent tank-mix partner
- Easy-to-use water soluble bag
- Highly effective on resistant mites
- Complete life cycle control

## **KEY USES**

- Almonds
- Peaches
- Apples
- Pears
- Cherries
- Strawberries
- Grapes
- Walnuts



## **PRODUCT NOTES**

**EPA REGISTRATION NUMBER** 91234-22

ACTIVE INGREDIENT
Bifenazate 50%

FORMULATION

Wettable powder

IRAC NUMBER 20D

SIGNAL WORD

Caution

**PACKAGE SIZE** 10 x 1 lb (2 x 0.5 lb WSB)

**RESTRICTED USE** 

No

Refer to label for specific use restrictions.





### **APPLICATION INFORMATION**

Enervate<sup>™</sup> 50 WSB can be applied by ground, air or chemigation and should be applied as soon as mites are detected. Calibrate and adjust equipment to create uniform and thorough spray coverage of the crop for optimal coverage. Lower rates are recommended when mite pressure is not heavy, use higher rate when mite pressure is high and to provide extended residual control.

#### **MIXING INSTRUCTIONS**

Enervate 50 WSB is a wettable powder in a water soluble bag. It is recommended to stir or shake this product well prior to use.

- 1. Fill spray tank with 1/2 the desired amount of water.
- 2. Begin agitation and add the required amount of Enervate 50 WSB.
- 3. If tank mixing, Atticus recommends thoroughly mixing in the Enervate 50 WSB first. Then add other products in the following sequence: water soluble bags, wettable powders, dry flowables, liquid flowables, liquids and finally other emulsifiable concentrates. For best results, let each product thoroughly disperse before adding another product to the mix.
- 4. Fill the tank with the remaining amount of required water and continue agitation until spraying is completed.

NOTE: The stability of this product can be affected by high pH and high temperature. For best results, spray mixtures containing Enervate 50 WSB should be kept within pH 5.5 – 6.5.

#### **TANK MIXES**

To increase the range of insects controlled, other insecticides may be tank-mixed with Enervate 50 WSB. It is strongly recommended that compatibility with other tank-mix partners is confirmed by conducting small-scale tests prior to widespread use. Tank mixtures are only permitted if all tank-mix partners are registered in the state of application and the most restrictive combination of label precautions and limitations must be followed.

#### STRATEGIES FOR RESISTANCE PREVENTION

To help prevent resistance from developing, the following strategies should be followed:

- IPM techniques should be incorporated into your insect control program.
- Ensure all treated foliage is thoroughly covered by spray.
- Do not wait to apply until pest pressure is heavy; scout regularly and apply Enervate 50 WSB as soon as mites are detected.
- Always apply Enervate 50 WSB according to the label instructions.
- Unless otherwise indicated on the product label, make only one application of Enervate 50 WSB per year and rotate to a product with a different mode of action.
- Because of its selectivity, Enervate 50 WSB can be used in conjunction with most biological control organisms available for mite control. Enervate 50 WSB, when used as directed, does not adversely affect populations of beneficial/predaceous mites and insects including:

Common lacewing (Chrysopa carnea)
Insidious flower bug (Orius insidiosus)
Predatory mite (Amblyseius fallacis)
Predatory mite (Typhlodromus pyri)
Predatory mite (Zetzellia mali)

Seven-spotted lady beetle (Coccinella septempunctata)
Six-spotted thrip (Scolothrips sexmaculatus)
Spider mite destroyer (Stethorus punctum)
Western flower thrip (Frankliniella occidentalis)
Western predatory mite (Typhlodromus occidentalis)

Predatory mite (Phytoseiulus persimilis)

The use of these organisms in conjunction with Enervate 50 WSB is encouraged as a means of reducing the number of chemical applications.

Refer to product label for complete application and mixing instructions.

17172 ©2017 Atticus. Important: Always read and follow label instructions. Not all products are registered for use in every state. Enervate™ 50 WSB is not manufactured or distributed by MacDermid Agricultural Solutions, Inc, seller of Acramite® 50WS. Acramite® is a registered trademark of MacDermid Agricultural Solutions, Inc. Enervate™ is a trademark of Atticus, LLC.



#### **KEY INSTECTS**

Avocado red spider mite Banks grass mite Brown almond mite Citrus red mite Clover mite European red mite McDaniel mite Pacific spider mite Pecan leaf scorch mite Persea mite Six-spotted mite Southern red mite Spruce spider mite Strawberry spider mite Two-spotted spider mite Willamette mite

(Refer to product label for complete list)