RESTRICTED USE PESTICIDE

For retail sale to and use only by certified applicators or persons under their direct supervision, and only for those uses covered by the certified applicators certification.

ACTIVE INGREDIENT:
Abamectin ................................................................. 1.9%
OTHER INGREDIENTS: ................................................ 98.1%
TOTAL: ........................................................................ 100.0%
* 1 gal. contains 0.15 lb. abamectin

KEEP OUT OF REACH OF CHILDREN

WARNING AVISO
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

IN CASE OF A MEDICAL EMERGENCY INVOLVING THIS PRODUCT,
CALL TOLL FREE, DAY OR NIGHT, 1-866-303-6950
See additional Precautionary Statements and Directions for Use in booklet.

Notice: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

FIRST AID
IF IN EYES: • Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.

IF SWALLOWED: • Call a poison control center or doctor immediately for treatment advice. • Do not give any liquid to the person. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.

IF INHALED: • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-866-303-6950 for emergency medical treatment information.

NOTE TO PHYSICIAN
Early signs of intoxication include dilation of pupils, muscular incoordination, and muscular tremors. Toxicity following accidental ingestion of this product can be minimized by early administration of chemical adsorbents (e.g., activated charcoal). If toxicity from exposure has progressed to cause severe vomiting, the extent of resultant fluid and electrolyte imbalance should be gauged. Appropriate supportive parental fluid replacement therapy should be given, along with other required supportive measures (such as maintenance of blood pressure levels and proper respiratory functionality) as indicated by clinical signs, symptoms, and measurements.

In severe cases, observations should continue for at least several days until clinical condition is stable and normal. Since abamectin is believed to enhance GABA activity in animals, it is probably wise to avoid drugs that enhance GABA activity (barbiturates, benzodiazepines, valproic acid) in patients with potentially toxic abamectin exposure.

This is a specimen label intended for use only as a guide in providing general information regarding use of this product. As labels are subject to revisions, always carefully read and follow the label on the product.

EPA Reg. No. 67760-71
Manufactured For:
CHEMINOVA, INC.
One Park Drive, Suite 150
PO Box 110566
Research Triangle Park, NC 27709
www.cheminova.us.com
©ZORO is a registered trademark of Cheminova

EPA EST NO. 39578-TX-1
Net Contents: 1 gallon

CHEMINova
HELPING YOU GROW
1/C23/2
PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING/AVISO

Causess substantial but temporary eye injury. Do not get in eyes. Harmful if absorbed through skin or if ingested. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category B on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear:
• Chemical-resistant apron when cleaning equipment, mixing, or loading.
• Chemical-resistant gloves – EPA chemical-resistance category E (e.g., barrier laminate or butyl rubber ≥ 14 mils).
• Chemical-resistant footwear plus socks
• Protective eyewear
• Chemical-resistant headgear for overhead exposure.
• Chemical-resistant apron when cleaning equipment, mixing, or loading.

Discard clothing and other absorbent materials that have been drenched or heavily contami- nated with this product’s concentrate. Do not reuse them. Follow manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Suitable Recommendations

Users should:
• Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
• Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIROMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. For terrestrial uses, do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from target areas. Do not contaminate water when disposing of equipment wash water or rinsate.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

Use of this product may pose a risk to endangered species of fish, amphibians, crustaceans (including fresh water shrimp), and insects. All use of this product in the state of California should comply with the recommendations of the California Endangered Species Project.

Before using this product in California, consult with your county agriculture commissioner to determine use limitations that apply in your area.

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly-draining soils and soils with shallow ground water. This product is classified as having a medium potential for reaching both surface water and aquatic sediment via runoff for several weeks to months after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water such as ponds, streams, and springs will reduce the potential loading of abacteriac from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

PHYSICAL OR CHEMICAL HAZARDS

Combustible: Do not use or store near hot or open flame.

ATTENTION

This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

DIRECTIONS FOR USE

RESTRICTED USE PESTICIDE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours. Exception: For grape girdling, cane burning, and tying in grapes, do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 days.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:
• Coveralls over short-sleeved shirt and short pants
• Chemical-resistant gloves – EPA chemical-resistance category E (e.g., barrier laminate, nitrile rubber, neoprene rubber, vition)
• Chemical-resistant shoes and socks
• Protective eyewear
• Chemical-resistant headgear for overhead exposure

FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INURY, POOR INCT CONTROL, AND/OR ILEGAL RESIDUES.

PRODUCT INFORMATION

ZORO is an emulsifiable concentrate that will control certain pests on the crops listed on this label when the product is applied according to the Directions for Use. Thorough coverage of foliage is essential for good rate and insect control.

NOTE:

Phytoxicity: ZORO has been tested for phytoxicity and has a wide margin of safety on a variety of crops. ZORO has also been shown to be compatible with many commonly used pesticides, crop oils, and nutritional sprays. However, since it is not possible to test a large number of possible mixtures, the user should pre-test any proposed mixtures with ZORO to ensure the physical compatibility and lack of phytoxic effects.

New York State Restriction: Do not apply ZORO with aircraft in New York State.

Chemigation

Do not apply this product through any type of irrigation system.

Spray Drift Precautions with Aircraft or Ground Application Equipment

• Apply ZORO only when wind velocity favors on target deposition (approximately 3 to 10 mph).
• Do not apply with ground application equipment within 25 ft. of, or with aircraft within 150 ft. of, lakes, reservoirs, rivers, permanent streams, marshes, potholes, natural ponds, estuaries, or commercial fish farm ponds.
• Do not cultivate within 25 ft. of the aquatic area to allow growth of a vegetative filter strip.
• Do not allow this product to drift onto non-target areas. Drift might result in illegal residues or harm nontarget species. Risk of exposure to sensitive areas can be reduced by product application made when wind direction is away from sensitive areas.
• Do not apply ZORO when weather conditions may cause drift.
• Avoid application when the temperature is high and/or the humidity is low. These conditions increase the evaporation of spray droplets and the likelihood of drift to aquatic areas.
• Do not apply when wind speed or wind gusts are greater than 15 mph.
• Do not apply when wind speed is below 2 mph because wind direction will vary and there is a high potential for inversion.

Ground application to tree crops or hogs in the vicinity of aquatic areas such as lakes, reservoirs, permanent streams, marshes, potholes, natural ponds, estuaries, or commercial fish ponds:
• Do not apply ZORO when weather conditions may cause drift in aquatic areas.
• Do not apply within 200 ft. upwind of aquatic areas or when wind speed is above 8 mph.
• Spray last 3 rows windward of aquatic areas using nozzles on one side only, with spray directed away from the aquatic areas.
• Avoid spray going over tops of trees by adjusting or turning off top nozzles. Shut off nozzles when turning at row ends and when passing gaps in rows of trees or hogs.

Spray Drift Precautions for Aerial Application

Drift Management Requirements

The following drift management requirements must be followed to avoid off-target movement from aerial applications to agricultural field crops.

Outermost Nozzle Distance

The distance of the outermost nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.

Nozzle Distance

Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.

Maximum Wind Speed

Do not apply when wind speed is greater than 15 mph.

Drop Size

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see Wind, Temperature, Humidity and Temperature Inversions.)

Controlling Drop Size

• Volume
• Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
• Pressure
• Do not exceed the nozzle manufacturer’s recommended pressures. For many nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.
• Number of Nozzles
• Use the maximum number of nozzles that provide uniform coverage.
• Nozzle Orientation
• Orienting nozzles so that the spray is released parallel to the air stream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.
• Nozzle Type
• Use a nozzle type that is specified for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.
• Boom Length
• For some use patterns, reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.
• Application Height
• Application should not be made at a height greater than 15 ft. above the top of the target plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.
• Swath Adjustment
• When applications are made with a cross wind, the swath will be displaced downwind. Therefore, on the up and down edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind.
• Wind
• Drift potential is lowest between speeds of 2-10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application must be avoided below 2 mph due to variable wind direction and high inversion potential.

NOTE: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

Temperature and Humidity

To compensate for evaporation when applying ZORO in low relative humidity, set up equipment to produce larger droplets. Evaporation of droplets is most severe when conditions are both hot and dry.

PAGE 2
Temperature Inversions

ZORO must not be applied during a temperature inversion because the potential for drift is high. Temperature inversions restrict vertical air mixing, and this causes small, suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds that are common during inversions. Temperature inversions are characterized by temperatures that increase with altitude and are common on nights with limited wind cover and light to no wind. Inversions begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog, however, if fog is not present, the movement of smoke from a ground source or an aircraft smoke generator can also identify inversions. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates, indicates good vertical air mixing.

Resistance Management

ZORO is a Group 6 insecticide (contains the active ingredient abamectin). Because of the inherent risks of pests developing resistance to any product, it is strongly advised that ZORO be used in a second resistance management program. Treatment may not be effective on labeled pests if insect or mite-tolerant strains develop. When applying ZORO to plants that are hosts of labeled pests with multiple generations per crop per year, resistance management practices should be considered.

Resistance management practices may include, but are not limited to:
- rotating ZORO with other products with different modes of action,
- avoiding treatment of successive generations with ZORO,
- using labeled rates at the specified spray intervals,
- using non-chemical alternatives such as beneficial arthropods,
- rotating susceptible to non-susceptible plants, and
- using various cultural practices.

For information regarding the implementation of these or other resistance management practices, consult your local agricultural advisor or company representative.

CROP USE DIRECTIONS

For control of European red mite, Mcdaniel spider mite, Tentiform leafminer, Twospotted spider mite, and White apple leaffopper

ZORO may be applied using conventional dilute or concentrate ground application sprayers calibrated to deliver sufficient water for thorough coverage. Gallons of spray will vary with size and number of trees per acre and density of foliage. Thorough coverage is essential for good spider mite and insect control.

NOTE:
- For best results, apply in combination with horticultural spray oil (not a dormant oil) as directed. Applications without horticultural spray oil may result in reduced efficacy and residual control.
- When used alone or when other products are applied sequentially, ZORO in combination with horticultural spray oil may injure the fruit of certain apple varieties (e.g. russetting on light-stained varieties such as Golden Delicious).
- When using ZORO plus horticultural spray oil, carefully follow the Directions for Use and Precautions section on the horticultural spray oil label, as well as, the precautions in official spray guides or on product labels. For example, applying ZORO plus horticultural spray oil fewer than 14 days before or after applying abamectin can result in phytotoxicity and crop loss.

### Apples

#### For control of European red mite, Mcdaniel spider mite, Tentiform leafminer, Twospotted spider mite, and White apple leaffopper

<table>
<thead>
<tr>
<th>Pest</th>
<th>For Dilute Sprays* fl. oz./100 gals.</th>
<th>For Concentrate Sprays* fl. oz./acre</th>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>European red mite</td>
<td>2.5-5.0</td>
<td>10-20</td>
<td>Apply ZORO when spider mite or insect thresholds are reached. A second application may be made if needed to maintain control. (See Use Restrictions)</td>
</tr>
<tr>
<td>Mcdaniel spider mite</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tentiform leafminer</td>
<td></td>
<td></td>
<td>Use 10-15 fl. oz. of product/A for low* to moderate* infestations and 15-20 fl. oz. of product/A for severe* infestations. Add a 1%-4.0% of a horticultural spray oil (not a dormant oil) approved for use on avocados.</td>
</tr>
<tr>
<td>Twospotted spider mite</td>
<td></td>
<td></td>
<td>Make a second application, if needed, to maintain control, but wait at least 30 days after the first application to retreat. (See Use Restrictions)</td>
</tr>
<tr>
<td>White apple leaffopper</td>
<td></td>
<td></td>
<td>For Ground Application: If spray volume is greater than 400 gals./A apply ZORO at a rate of 2.5 fl. oz. per 100 gals. of water plus 1%-4.0% of a horticultural spray oil (not a dormant oil) approved for use on avocados.</td>
</tr>
</tbody>
</table>

**Use Restrictions** – Apples

- PHL: Do not apply within 21 days of harvest.
- Application Method: Ground and aerial application permitted.
- Amount of Water: Do not apply in less than 100 gals. of water with ground equipment or 50 gals. of water with aircraft.
- Maximum Amount Per Application: Do not apply more than 40 fl. oz./acre (or 0.037 lb. ai/acre) of ZORO or any other product containing abamectin applied to foliage.
- Application Interval: Wait at least 30 days before repeating application.
- Number of Applications: Do not make more than 2 applications per season of ZORO or any other product containing abamectin applied to foliage.
- Grazing: Do not allow livestock to graze in treated orchards.

Temperature Inversions

- ZORO is applied as an emulsifiable concentrate (EC), oil concentrate (OCR) or grease concentrate (CHR).
- Hectoliters of ZORO are the amount of ZORO that can be applied per hectare.
- sprays applied per hectare are the amount of ZORO that is applied per hectare.
- fl. oz./A is the amount of ZORO that is applied per acre.
- fl. oz./hA is the amount of ZORO that is applied per hectare.

### Citrus

#### For control of Citrus Thrips

ZORO may be applied using conventional dilute or concentrate ground application sprayers calibrated to deliver sufficient water for thorough coverage. Gallons of spray will vary with size and number of trees per acre and density of foliage. Thorough coverage is essential for good spider mite and insect control.

### Use Restrictions – Citrus

- PHL: Do not apply within 7 days of harvest.
- Application Method: Apply with ground application equipment.
- Amount of water: Do not apply in less than 20 gals. of water/acre.
- Application Interval: Wait at least 7 days before repeating application.
- Number of Applications: For resistance management, do not make more than 2 sequential applications of ZORO or any other product containing abamectin applied to foliage.
- Maximum Amount Per Season: Do not apply more than 48 fl. oz./acre after transplanting of ZORO or any other product containing abamectin applied to foliage.

#### Pest Controls

- Thrips Infestation Level | Number of immature thrips per leaf/fruit |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Low</td>
<td>1-2</td>
</tr>
<tr>
<td>Moderate</td>
<td>3-4</td>
</tr>
<tr>
<td>Severe</td>
<td>More than 5</td>
</tr>
</tbody>
</table>

### Citrus Fruit Crop Group (Crop Group 10)

Crops in this group are: Calamondin, Citrus citron, Citrus hybrids, Citrus species (includes citrus, tangerine, tangor, grapefruit, lemon, Lime, Mandarin (tangerine), Sour orange, Sweet orange, Pummelo, and Satsuma mandarin. For control of Asian citrus psylla, Broad mite, Citrus bud mite, Citrus leafminer, Citrus rust mite, Citrus thrips, and Twospotted spider mite.

Apply using conventional dilute or concentrate ground application sprayers calibrated to deliver sufficient water for thorough coverage (or outside coverage for Asian citrus psylla, citrus leafminer, citrus thrips, or citrus thrips). In every case, thorough coverage is essential for good mite and insect control.

### Avocados

- ZORO may be applied using ground application equipment or aircraft. Aerial application is permitted for the best control of thrips. With aerial application, spray coverage and the resulting control of thrips will be less than with ground application. For this reason, the user accepts all liability for the level and duration of control of thrips when ZORO is aerially applied.

### Grazing

- Do not allow livestock to graze in treated orchards.

### Use Restrictions – Avocados

- PHL: Do not apply within 14 days of harvest.
- Application Method: Ground and aerial application permitted.
- Amount of Water: Do not apply in less than 100 gals. of water with ground equipment or 50 gals. of water with aircraft.
- Maximum Amount Per Application: Do not apply more than 20 fl. oz./acre (or 0.037 lb. ai/acre) of ZORO or any other product containing abamectin applied to foliage.
- Application Interval: Wait at least 30 days before repeating application.
- Number of Applications: Do not make more than 2 applications per season of ZORO or any other product containing abamectin applied to foliage.
- Grazing: Do not allow livestock to graze in treated orchards.

### Use Restrictions – Celeriac

- PHL: Do not apply within 72 days of harvest.
- Application Method: Ground and aerial application permitted.
- Amount of Water: Do not apply in less than 20 gals. of water with ground equipment or 10 gals. of water with aircraft.
- Application Interval: Wait at least 7 days before repeating application.
- Number of Applications: For resistance management, do not make more than 2 sequential applications of ZORO or any other product containing abamectin applied to foliage.
- Maximum Amount Per Season: Do not apply more than 48 fl. oz./acre after transplanting of ZORO or any other product containing abamectin applied to foliage.
Citrus Fruit Crop Group

<table>
<thead>
<tr>
<th>Pest</th>
<th>For Dilute Sprays*</th>
<th>For Concentrate Sprays*</th>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asian citrus psyllid</td>
<td>10-20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Broad mite</td>
<td>1-2.0</td>
<td>10-20</td>
<td></td>
</tr>
<tr>
<td>Citrus bud mite</td>
<td>1-2.0</td>
<td>10-20</td>
<td></td>
</tr>
<tr>
<td>Citrus rust mite</td>
<td>0.5-2.0</td>
<td>15-20</td>
<td></td>
</tr>
<tr>
<td>Twospotted spider mite</td>
<td>1-2.0</td>
<td>10-20</td>
<td></td>
</tr>
<tr>
<td>Citrus leaffminer</td>
<td>5-20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Citrus thrips</td>
<td>10-20</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*The rate of ZORO per 100 gals. is based on a volume of 1,000 gals./acre dilute spray.
*For concentrate sprays, adjust the dosage to apply an amount/acre equal to that used in full cover dilute spray.

Ground Application: For best results, use 150-300 gals./acre of spray mix with a minimum of 3 gal./acre of horticultural oil (not a dormant oil) and apply at a ground speed of 1 to 1.5 MPH.

For best results, use a minimum of 500 gals./acre of spray mix with a minimum of 0.5% of finished spray horticultural oil (not a dormant oil).

For best results, use 100-250 gals./acre of spray mix applied to achieve outside coverage.

Use Restrictions – Cucurbit Crop Group

- PHI: Do not apply within 7 days of harvest.
- Application Method: For Control of Citrus Leaffminer
  - Ground or aerial application permitted; however, do not apply with aircraft in New York State.
  - Amount of Water: Do not apply in less than 20 gals. of water/A with ground application equipment. Do not apply in less than 5 gals. of water/A with aircraft. Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures) use a greater volume of water to ensure adequate coverage.
  - Maximum Amount per Application: Do not apply more than 16 fl. oz./acre (or 0.019 fl. oz./acre) ZORO or any other product containing abamectin applied to foliage.
  - Application Interval: Wait at least 7 days before repeating application of ZORO or any other product containing abamectin applied to foliage.
  - Maximum Amount per Season: Do not apply more than 16 fl. oz./acre for low to moderate infestations and 16 fl. oz./acre for severe infestations.
  - Use 8 fl. oz./acre for low to moderate infestations and 16 fl. oz./acre for severe infestations. Sequential applications 10-14 days apart may be needed for infestations with heavy egg and nymph populations.

- Mites, leaffminers, Thrips palmi, and Colorado potato beetle: Use 8 fl. oz./acre for low to moderate infestations and 16 fl. oz./acre for severe infestations.
- Repeat application as necessary to maintain control. (See Use Restrictions).

- Note: ZORO may be applied with ground application equipment or aircraft. For best control of mites, apply ZORO with ground application equipment. With aerial application, spray coverage and the resulting control of mites is less than with ground application. For this reason, the user accepts all liability for the level and duration of control of mites when ZORO is aerially applied.

Fruiting Vegetables (except cucurbits) Crop Group

- PHI: Do not apply within 7 days of harvest.
- Application Method: Ground or aerial application permitted; however, do not apply with aircraft in New York State.
- Amount of Water: Do not apply in less than 20 gals. of water/A with ground application equipment. Do not apply in less than 5 gals. of water/A with aircraft. Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures) use a greater volume of water to ensure adequate coverage.
- Maximum Amount per Application: Do not apply more than 16 fl. oz./acre (or 0.019 fl. oz./acre) ZORO or any other product containing abamectin applied to foliage.
- Application Interval: Wait at least 7 days before repeating application of ZORO or any other product containing abamectin applied to foliage.
- Maximum Amount per Season: Do not apply more than 16 fl. oz./acre for low to moderate infestations and 16 fl. oz./acre for severe infestations.
- Use 8 fl. oz./acre for low to moderate infestations and 16 fl. oz./acre for severe infestations. Sequential applications 10-14 days apart may be needed for infestations with heavy egg and nymph populations.
- Mites, leaffminers, Thrips palmi, and Colorado potato beetle: Use 8 fl. oz./acre for low to moderate infestations and 16 fl. oz./acre for severe infestations.
- Repeat application as necessary to maintain control. (See Use Restrictions).

- Note: ZORO may be applied with ground application equipment or aircraft. For best control of mites, apply ZORO with ground application equipment. With aerial application, spray coverage and the resulting control of mites is less than with ground application. For this reason, the user accepts all liability for the level and duration of control of mites when ZORO is aerially applied.

Fruiting Vegetables Crop Group

- PHI: Do not apply within 7 days of harvest.
- Application Method: Ground or aerial application permitted; however, do not apply with aircraft in New York State.
- Prohibited Use: For resistance management, do not use on fruiting vegetables grown for transplanting.
- Amount of Water: Do not apply in less than 20 gals. of water/A with ground application equipment. Do not apply in less than 5 gals. of water/A with aircraft. Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures) use a greater volume of water to ensure adequate coverage.

ZORO or any other abamectin containing product within 30 days of the last treatment.

Maximum Amount per Season: Do not apply more than 2 sequential applications of ZORO or any other product containing abamectin applied to foliage.

Fruiting Vegetables (except cucurbits) Crop Group

- PHI: Do not apply within 7 days of harvest.
- Application Method: Ground or aerial application permitted; however, do not apply with aircraft in New York State.
- Amount of Water: Do not apply in less than 20 gals. of water/A with ground application equipment. Do not apply in less than 5 gals. of water/A with aircraft. Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures) use a greater volume of water to ensure adequate coverage.
- Maximum Amount per Application: Do not apply more than 16 fl. oz./acre (or 0.019 fl. oz./acre) ZORO or any other product containing abamectin applied to foliage.
- Application Interval: Wait at least 7 days before repeating application of ZORO or any other product containing abamectin applied to foliage.
- Maximum Amount per Season: Do not apply more than 16 fl. oz./acre for low to moderate infestations and 16 fl. oz./acre for severe infestations.
- Use 8 fl. oz./acre for low to moderate infestations and 16 fl. oz./acre for severe infestations. Sequential applications 10-14 days apart may be needed for infestations with heavy egg and nymph populations.
- Mites, leaffminers, Thrips palmi, and Colorado potato beetle: Use 8 fl. oz./acre for low to moderate infestations and 16 fl. oz./acre for severe infestations.
- Repeat application as necessary to maintain control. (See Use Restrictions).

- Note: ZORO may be applied with ground application equipment or aircraft. For best control of mites, apply ZORO with ground application equipment. With aerial application, spray coverage and the resulting control of mites is less than with ground application. For this reason, the user accepts all liability for the level and duration of control of mites when ZORO is aerially applied.

Fruiting Vegetables Crop Group

- PHI: Do not apply within 7 days of harvest.
- Application Method: Ground or aerial application permitted; however, do not apply with aircraft in New York State.
- Prohibited Use: For resistance management, do not use on fruiting vegetables grown for transplanting.
- Amount of Water: Do not apply in less than 20 gals. of water/A with ground application equipment. Do not apply in less than 5 gals. of water/A with aircraft. Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures) use a greater volume of water to ensure adequate coverage.
Grapes

For control of Pacific spider mite, Twospotted spider mite, Willamette spidermite, Variegated leafhopper, Western grape leafhopper, first generation European Grapevine Moth (Lobesia botrana), and Western grapeleaf skeletonizer

ZORO may be applied using ground sprayers calibrated to deliver sufficient water for thorough coverage. Thorough coverage is essential for good spider mite and insect control. Do not spray alternate rows. ZORO must be applied to both sides of each row for maximum coverage.

ZORO will aid in control of first generation European Grapevine Moth when applied at the rate of 10-16 fl. oz/acre with a non-ionic surfactant using thorough coverage. Make application at or shortly after egg hatch. Application of other products may be required for an acceptable level of control of first generation European Grapevine Moth.

Mix with water as indicated below. Apply with ground application equipment as a foliar spray, and ensure good upper and lower leaf coverage. Gallons of spray may vary with the size of plants and density of foliage. In every case, thorough coverage is essential for good control of (edible leaved and garnet), Corn salad, Cress (Garden, upland yellow rocklet and winter), Cuscus, Dandelion, Dock (Sorrel) Endive, Escarole, Florence Fennel, New Zealand spinach, Orach, Parsley, Purslane (garden and winter) Radicchio (red chicory), Rhubarb, Spinich, Vine spinach and Swiss chard. For control of Carmine spider mite, Liriomyza leafminers, and Twospotted spider mite

Mix with water as indicated below. Thorough coverage of the crop canopy is essential for best results. Inadequate coverage may result in reduced control.

Note: ZORO may be applied with ground application equipment or aircraft. For best control of mites, ZORO should be used with ground application equipment. With aerial application, spray coverage and the resulting control of mites is less than with ground application. For this reason, the user accepts all liability for the length and duration of control of mites when ZORO is aerially applied.

Leafy Vegetable Group

Crops in this group are: Amaranth (leafy amaranth Chinese spinach, taimlap), Arugula (Rugula), Spinach, Spinich, Endive, Escarole, Brassica, Aquatic plants and density of foliage. In every case, thorough coverage is essential for good control of insects and other product containing abamectin applied to foliage. With a non-ionic surfactant for safety to herbs, it is recommended. Do not use binder or sticker-type surfactants.

Surfactants can improve insect control. When necessary to improve the wetting of foliage and to smooth out spray deposits, a nonionic surfactant is recommended. Do not use binder or sticker-type surfactants.

For control of Liriomyza leafminers

Mix with water as indicated below. Apply thoroughly with ground equipment as a foliar spray and ensure good upper and lower leaf coverage.

Use Restrictions – Mint

Do not apply within 28 days of harvest.

Application Method: Ground application only. Do not apply with aircraft.

Application Interval: If a second application is necessary to maintain control, wait at least 21 days before repeating application and repeat application only after an alternate miticide with a different mode of action has been used.

Maximum number per application: Do not apply more than 16 fl. oz./acre (or 0.019 lb. a.i./acre) of ZORO or any other product containing abamectin applied to foliage.

Maximum number of applications: Do not make more than 2 applications of ZORO or any other product containing abamectin applied to foliage per growing season.

Grazing: Do not allow livestock to graze in treated hops yards.

Leafy Vegetables (except Brassica vegetables) Crop Group (Crop Group 4)

Crops in this group are: Amaranth (leafy amaranth Chinese spinach, taimlap), Arugula (Rugula), Spinach, Spinich, Endive, Escarole, Brassica, Aquatic plants and density of foliage. In every case, thorough coverage is essential for good control of insects and other product containing abamectin applied to foliage. With a non-ionic surfactant for safety to herbs, it is recommended. Do not use binder or sticker-type surfactants.

Surfactants can improve insect control. When necessary to improve the wetting of foliage and to smooth out spray deposits, a nonionic surfactant is recommended. Do not use binder or sticker-type surfactants.

For control of Liriomyza leafminers

Mix with water as indicated below. Apply thoroughly with ground equipment as a foliar spray and ensure good upper and lower leaf coverage.

Use Restrictions – Mint

Do not apply within 28 days of harvest.

Application Method: Ground or aerial application permitted (exception: do not apply with aircraft in New York State).

Prohibited Use: For resistance management, do not use on leafy vegetables grown for transplanting.

Amount of Water: Do not apply in less than 20 gals. of water/acre with ground application equipment. Do not apply in less than 5 gals. of water per acre with aircraft. Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures) use a greater volume of water to ensure adequate coverage.

Maximum amount per application: Do not apply more than 16 fl. oz./acre (or 0.019 lb. a.i./acre) of ZORO or any other product containing abamectin applied to foliage.

Application Interval: Wait at least 7 days before repeating application.

Number of applications: Do not make more than 2 sequential applications of ZORO or any other product containing abamectin applied to foliage.

Maximum number of seasons: Do not apply more than 48 fl. oz./acre (or 0.056 lb. a.i./acre) of ZORO or any other product containing abamectin applied to foliage.

Mint (peppermint and spearmint)

For control of Twospotted spider mite

Mix with water as indicated below. Thorough coverage of the crop canopy is essential for best results. Inadequate coverage may result in reduced control.

Hops (Not approved for use in California)

For control of Twospotted spider mite

Mix with water an indicated below. Apply with ground application equipment as a foliar spray, and ensure good upper and lower leaf coverage. Gallons of spray may vary with the size of plants and density of foliage. In every case, thorough coverage is essential for good control of insects and other product containing abamectin applied to foliage. With a non-ionic surfactant for safety to herbs, it is recommended. Do not use binder or sticker-type surfactants.

Surfactants can improve insect control. When necessary to improve the wetting of foliage and to smooth out spray deposits, a nonionic surfactant is recommended.
- **Amount of Water:** Do not apply in less than 20 gals. of water/acre with ground application equipment. Do not apply in less than 5 gals. of water/acre with aircraft. Under conditions such as high pest populations, dense foliage, or adverse application conditions such as high temperatures, use a greater volume of water to ensure adequate coverage.
- **Maximum Amount per Application:** Do not apply more than 12 fl. oz./acre (or 0.014 lb. a.i./Acre) per application of ZORO or any other product containing abamectin applied to foliage.
- **Application Interval:** Wait at least 7 days before repeating application.
- **Number of Applications:** Do not make more than 2 sequential applications and do not apply more than 3 applications per season of ZORO or any other product containing abamectin applied to foliage.
- **Maximum Amount per Season:** Do not apply more than 36 fl. oz./acre (or 0.042 lb. a.i./acre) per crop per season of ZORO or any other product containing abamectin applied to foliage.
- **Grazing:** Do not allow livestock to graze or feed treated foliage to livestock.

**Pears (Including Oriental pear trees)**

For control of European red mite, McDaniel spider mite, Pear psylla, Pear rust mite, Twospotted spider mite, and Yellow mite

ZORO may be applied using conventional dilute or concentrated ground application sprayers calibrated to deliver sufficient water for thorough coverage. Gallons of spray will vary with size and number of trees per acre and density of foliage. In every case, thorough coverage is essential for good spider mite and insect control.

**NOTE:**

- Apply in combination with horticultural spray oil (not a dormant oil) as directed. Applications without horticultural spray oil may result in reduced efficacy and/or reduced residual control.
- When using ZORO plus horticultural spray oil, carefully follow the Directions for Use and Precautions on the horticultural spray oil label. Also follow precautions in official local spray guides or on product labels. For example, applying ZORO plus horticultural spray oil in less than 14 days before or after applying Captan can result in phytotoxicity and crop loss.

**Use Restrictions – Pears**

- **PHI:** Do not apply within 21 days of harvest.
- **Application Method:** Ground application only. Do not apply with aircraft.
- **Amount of Water:** Do not apply in less than 40 gals. of water/acre.
- **Maximum Amount Per Application:** Do not apply more than 20 fl. oz./acre (or 0.023 lb a.i./acre) per application of ZORO or any other product containing abamectin applied to foliage.
- **Application Interval:** If a second application is necessary, wait at least 21 days before repeating application.
- **Number of Applications:** Do not make more than 2 applications per growing season of ZORO or any other product containing abamectin applied to foliage.
- **Maximum Amount per Season:** Do not apply more than 40 fl. oz./acre (or 0.047 lb a.i./acre) in a growing season of ZORO or any other product containing abamectin applied to foliage.
- **Grazing:** Do not allow livestock to graze in treated orchards.

**Stone Fruit Crop Group**

**Pest**

<table>
<thead>
<tr>
<th>Pest</th>
<th>For Dilute Spraysa fl. oz./100 gals.</th>
<th>For Concentrate Spraysb fl. oz./acre</th>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>European red mite</td>
<td>2.5-5.0</td>
<td>10-20</td>
<td>• Apply ZORO when spider mite or insect thresholds are reached.</td>
</tr>
<tr>
<td>Pacific spider mite</td>
<td></td>
<td></td>
<td>• A second application may be made if needed to maintain control (See Use Restrictions)</td>
</tr>
<tr>
<td>McDaniel spider mite</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pear psylla</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Pear rust mite</td>
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<td></td>
</tr>
<tr>
<td>Twospotted spider mite</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yellow mite</td>
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</tbody>
</table>

Horticultural Spray Oil (not a dormant oil)

- 0.25% or 1 gal./acre
- Minimum of 1 gal./acre

- The rate of ZORO per 100 gals. is based on a volume of 400 gals./acre dilute spray.
- To determine the amount of product per acre for concentrate sprays, first determine the amount that would be required in a full cover dilute spray. Use the same amount of product in concentrate sprays as would be required for the dilute sprays to the same orchard/grove. This may result in use of less than 10 fl. oz./acre on small trees.

**Use Restrictions – Stone Fruit Crop Group**

- **PHI:** Do not apply within 21 days of harvest.
- **Application Method:** Ground application only. Do not apply with aircraft.
- **Amount of Water:** Do not apply in less than 40 gals. of water/acre.
- **Maximum Amount Per Application:** Do not apply more than 20 fl. oz./acre (or 0.023 lb a.i./acre) per application of ZORO or any other product containing abamectin applied to foliage.
- **Application Interval:** If a second application is needed, wait at least 21 days before repeating application.
- **Number of Applications:** Do not make more than 2 applications per growing season of ZORO or any other product containing abamectin applied to foliage.
- **Maximum Amount per Season:** Do not apply more than 40 fl. oz./acre (or 0.047 lb a.i./acre) in a growing season of ZORO or any other product containing abamectin applied to foliage.
- **Grazing:** Do not allow livestock to graze in treated orchards.

**Strawberries**

For control of Strawberry spider mite and Twospotted spider mite

Mix with water as indicated below. Apply with ground application equipment as a foliar spray and ensure thorough coverage on upper and lower leaf surfaces. Adjust spray volume and nozzle placement to ensure maximum coverage of tops and undersides of leaves.

**Use Restrictions – Strawberries**

- **PHI:** Do not apply within 3 days of harvest.
- **Application Method:** Ground application only. Do not apply with aircraft.
- **Prohibited Use:** For resistance management purposes, do not use in strawberry nurseries.
- **Amount of Water:** Do not apply in less than 50 gals. of water/acre with conventional ground application equipment. When using electro-static sprayers do not apply in less than 10 gallons of water/gal.
- **Maximum Amount per Application:** Do not apply more than 16 fl. oz./acre (or 0.019 lb a.i./acre) per application of ZORO or any other product containing abamectin applied to foliage.
- **Application Interval:** Wait at least 21 days after the second application before repeating application.
- **Maximum Amount per Season:** Do not apply more than 64 fl. oz./acre (or 0.075 lbs a.i.) in a growing season of ZORO or any other product containing abamectin applied to foliage.

**Tree Nuts Crop Group**

Crops in this group are Almond, Beech nuts, Brazil nut, Butternut, Cashew, Chestnut, Chincapin, Filbert (hazlenut), Hickory nut, Macadamia nut (Firan), and Walnuts (Black and English)

For control of European red mite, Pacific spider mite, Strawberry spider mite, and Twospotted spider mite.
ZORO may be applied using conventional dilute or concentrate sprayers calibrated to deliver sufficient water for thorough coverage. Gallons of spray will vary with size and number of trees per acre and density of foliage. In every case, thorough coverage is essential for good spider mite and insect control.

Tree Nuts Crop Group and Pistachio

For Dilute Sprays\(^b\)
For Concentrate Sprays\(^a\)

<table>
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<tr>
<th>Pest</th>
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<tr>
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<td></td>
<td></td>
</tr>
<tr>
<td>Strawberry</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spider mite</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Twospotted spider mite</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*The rate of ZORO per 100 gals. is based on a volume of 400 gals./A dilute spray.

To determine the amount of product per acre for concentrate sprays, first determine the amount that would be required in a full cover dilute spray. Use the same amount of product per acre in concentrate sprays as would be required for the dilute sprays to the same orchard/grove. This may result in use of less than 0.25 fl. oz./acre of ZORO per tree.

Use Restrictions – Tree Nuts Crop Group (Crop Group 14) and Pistachio

- **PHI:** Do not apply within 21 days of harvest.
- **Application Method:** Ground application only. Do not apply with aircraft.
- **Amount of Water:** Do not apply without less than 40 gals. of water/acre.
- **Application Interval:** If a second application is necessary, wait at least 21 days before repeating application.
- **Maximum Amount per Application:** Do not apply more than 20 fl. oz./acre (or 0.023 lb. a.i./acre) of ZORO or any other product containing abamectin applied to foliage per application.
- **Applications per season:** Do not make more than 2 applications of ZORO or any other product containing abamectin applied to foliage per growing season.
- **Maximum Amount per Season:** Do not apply more than 40 fl. oz./acre (or 0.0478 lb. a.i./acre) of ZORO or any other product containing abamectin applied to foliage in a growing season.
- **Grazing:** Do not allow livestock to graze in treated groves/orchards.

Tuberosum and Corm Vegetables Crop Subgroup (Crop Subgroup 1C)

Crops in this subgroup are Sweet potato, Arrowroot, Artichoke, Chinese artichoke, Jerusalem artichoke, Jerusalem, Edible, Cassava (bitter and sweet), Chayote (root), Chufa, Dassenah, Ginger, Lenes, Potato, Sweet potato, Tamar, Turmeric, Yam bean, Yam (true)

Use Restrictions – Tuberosum and Corm Vegetables (Crop Subgroup 1C)

- **PHI:** Do not apply within 14 days of harvest.
- **Application Method:** Ground or aerial application permitted (exception: do not apply with aircraft in New York State).
- **Amount of Water:** Do not apply in less than 20 gals. of water/acre with ground application. Do not apply in less than 5 gals. of water/acre with aerial. Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures) use a greater volume of water to ensure adequate coverage.
- **Application Interval:** Wait at least 7 days before repeating application.
- **Maximum Amount per Application:** Do not apply more than 16 fl. oz./acre (or 0.019 lb. a.i./acre) per application.
- **Number of Applications:** Do not make more than 2 sequential applications or ZORO or any other foliarly applied abamectin containing product.
- **Maximum Amount per Crop:** Do not apply more than 32 fl. oz./acre (or 0.038 lb. a.i./acre) per for spider mite or Colorado potato beetle control. Do not apply more than 48 fl. oz./acre (or 0.056 lb. a.i./acre) per for leafminer control.
- **Grazing:** Do not allow livestock to graze in treated groves/orchards.

Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

Pesticide Storage

Store in a tightly closed container in a cool, dry place.

Pesticide Disposal

Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Nonrefillable containers 5 gallons or less:

- Do not reuse or refill this container. Offer for recycling if available. Triple rinse container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour contents into application equipment or a mix tank or store in a safe place for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Nonrefillable containers greater than 5 gallons:

- Do not reuse or refill this container. Offer for recycling if available. Triple rinse container promptly after emptying. Repeat this procedure two more times.

Warranty Disclaimer

Cheminova warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, CHEMINOVA MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Crop injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, hordedes, hurricanes), presence of other materials, the manner of application, or other factors beyond the control of Cheminova or the seller. All such risks shall be assumed by the Buyer.

Limitation of Remedies

To the extent consistent with applicable law, the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Cheminova’s election, one of the following:

1) Refund of purchase price paid by buyer or user for product bought, or
2) Replacement of amount of product used.

Cheminova shall not be liable for losses or damages resulting from handling or use of this product unless Cheminova is promptly notified of such loss or damage in writing. In no case shall Cheminova be liable for consequential or incidental damages or losses. The terms of the Warranty Disclaimer above and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Cheminova or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

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Bravo and Weather Stik are registered trademarks of a Syngenta Group Company

3-23-12 1/23/2