

**RESTRICTED USE PESTICIDE
TOXIC TO FISH, MAMMALS, AND AQUATIC ORGANISMS**

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 APPLICATOR'S CERTIFICATION.

BORRADA™

MITICIDE/INSECTICIDE

ACTIVE INGREDIENT: % BY WT.
Abamectin (CAS No. 65195-56-4 and 65195-55-3): ... 1.9%
INERT INGREDIENTS: 98.1%
TOTAL: 100.0%
1 gallon contains 0.15 lb abamectin

**EPA Reg. No. 66222-191 EPA Est. No. 37429-GA-001^{BT}
37429-GA-002^{EO}**

Letter(s) in lot number correspond(s) to superscript in EPA Est. No.

**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.)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING/AVISO: May be fatal if swallowed. Causes moderate eye injury. Harmful if inhaled or absorbed through skin. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist. Prolonged or frequently repeated exposure may cause allergic skin reactions in some individuals.

For additional First Aid, PPE, precautionary, handling, and use statements, see inside of this booklet.



M A N A

Manufactured for:
**Makhteshim Agan
of North America, Inc.**
3120 Highwoods Blvd
Suite 100
Raleigh, NC 27604

14853
EPA 121712/Notif
080113/Rev A

Net Contents: 1 Gallon

PULL AT THUMBMARK TO DETACH BOOK FROM LABEL

FIRST AID

IF SWALLOWED:	<ul style="list-style-type: none">• 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 the poison control center or doctor.• Do not give anything by mouth to an unconscious person.
IF IN EYES:	<ul style="list-style-type: none">• 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 immediately for treatment advice.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of soap and water for 15 – 20 minutes.• Call a poison control center or doctor for treatment advice.
IF INHALED:	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.• Call a poison control center or doctor for 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 Prozar at 1-877-250-9291 for emergency medical treatment information.

NOTE TO PHYSICIAN: Early signs of intoxication include mydriasis (dilated pupils), ataxia (unsteadiness), and muscle tremors. Toxicity follows accidental ingestion of the BORRADA and can be minimized by promptly administering 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 parenteral fluid replacement therapy should be given, along with other required supportive measures (such as maintenance of blood pressure levels and 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.

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PERSONAL PROTECTIVE EQUIPMENT (PPE)

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

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Socks and shoes
- Chemical-resistant gloves (such as barrier laminate, nitrile rubber, neoprene rubber, Viton, or other selection category E material.
- Protective eyewear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated 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 SAFETY 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.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. 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 threatened and endangered species of fish, amphibians, crustaceans (including fresh water shrimp), and insects. All use of this product in the state of California must comply with the directions 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 features such as ponds, streams, and springs will reduce the potential loading of abamectin 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

Do not use or store near heat or open flame. This product is reactive toward and should be stored away from strong oxidants.

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. For PRODUCT USE Information Call 1-866-406-MANA (6262).

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 turning, 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, such as barrier laminate or butyl rubber \geq 14 mils
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

FAILURE TO STRICTLY FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL CAN RESULT IN INJURY TO CROPS, INEFFECTIVE PEST CONTROL, AND/OR ILLEGAL RESIDUES.

When applied to crops in accordance with the **DIRECTIONS FOR USE**, BORRADA™, an microemulsion, effectively controls mites and other insects specified on this label. Thorough coverage is essential for effective insect and mite control.

BORRADA offers a wide margin of safety when applied to a variety of crops. BORRADA is also compatible with other commonly used pesticides, nutritional sprays, and crop oils. Pretest for physical compatibility and lack of phytotoxic effect when using any proposed mixtures with BORRADA.

When an adjuvant is to be used with this product, Makhteshim Agan of North America, Inc. suggests the use of a Chemical Producers and Distributors Association certified adjuvant.

CHEMIGATION STATEMENT

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

USE RESTRICTIONS

Do not apply BORRADA by aerial application equipment in New York State.

SPRAY DRIFT

Responsibility: Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment- and weather-related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions.

NOTE: When states have more stringent regulations, they must be observed.

Spray Drift Precautions for Application with Aircraft or Ground Application Equipment

- Apply BORRADA only when wind velocity favors on target product 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, pot holes, 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 may result in illegal residues or injury to nontarget species. Risk of exposure to sensitive areas can be reduced by applying this product when the wind direction is away from the sensitive area.
- Do not apply when the 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.
- Observe the following precautions when using ground application to spray tree crops (almonds, apples, avocado, citrus, pears, plums, prunes, and walnuts) or hops in the vicinity of aquatic areas such as lakes, reservoirs, permanent streams, marshes, potholes, natural ponds, estuaries, or commercial fish ponds:
 - Do not apply BORRADA when weather conditions favor drift to aquatic areas.
 - Do not apply within 110 ft upwind of aquatic areas or when wind speed is above 8 mph.
 - Spray last 3 rows upwind 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 on the side away from the grove/orchard when spraying the outside row. Shut off nozzles when turning at ends of row and passing tree gaps in rows.

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 $\frac{3}{4}$ the length of the wingspan or rotor.

Nozzle Direction

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.

Droplet 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 and Humidity**, and **Temperature Inversions**).

Controlling Droplet 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, lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.

Number of Nozzles

Use the minimum 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 designed 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

Applications should not be made at a height greater than 10 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 downwind 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 wind 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 BORRADA in low relative humidity, set up equipment to produce larger droplets. Evaporation of droplets is most severe when conditions are both hot and dry.

Temperature Inversions

BORRADA 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 cloud 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

To minimize the potential development of pest resistance to abamectin, use of resistance management strategies is imperative, especially when applying BORRADA to crops that are hosts of pests on this label that have multiple

generations per crop or per year. Examples of resistance management may include but are not limited to the following: non-chemical alternatives (such as beneficial arthropods); rotating susceptible and non-susceptible plants; rotating uses of pesticides with different modes of action; avoiding use of the same product on successive generations of pests; use of various other cultural practices; and using labeled rates at specified spray intervals. Consult your State Cooperative Extension Service to obtain additional information regarding these or other resistance management strategies.

CROP USE INSTRUCTIONS

APPLES

For controlling tentiform leafminers, white apple leafhoppers, European red mites, McDaniel spider mites, and two-spotted spider mites. (Ground application only.)

Apply BORRADA when pest thresholds are reached. If necessary, make a second application after at least 21 days to attain adequate control.

White Apple Leafhopper (Do not use west of Rocky Mountains): Only apply BORRADA to the first generation white apple leafhopper. Apply with a horticultural spray oil* soon after petal fall.

Spider Mites: Apply BORRADA before the population reaches 5 spider mites per leaf. Residual control is improved when spray deposits are on newer leaves (compared to older leaves). Limit applications to the period between petal fall through six weeks after petal fall.

Tentiform Leafminers: Apply BORRADA onto eggs to control new hatch and at early sap feeder stages of the first and second generations when leafminer populations reach locally established thresholds. Do not apply BORRADA during bloom stage.

Use conventional dilute or concentrate ground sprayers with enough water to produce thorough coverage. Spray volume will vary with the size and number of trees per acre and foliage density. Assure thorough coverage to attain spider mite and insect control. Best results are attained when applied as directed in combination with Horticultural Spray Oil (not dormant oil) that has been approved for use on apples. If Horticultural Spray Oil is not used, reduced efficacy and/or reduced residual control could result.

See **SPRAY DRIFT** section of this label for spray drift precautions.

BORRADA can cause injury to fruit of some apple varieties when used with Horticultural Spray Oils or when other products are sequentially applied. For example, russetting can occur on Golden Delicious and other light-skinned varieties. Users must carefully follow the **DIRECTIONS FOR USE** and **PRECAUTIONS** on the labels of Horticultural Spray Oils or those in official spray guides when using BORRADA in combination with Horticultural Spray Oils. For example, applications of BORRADA with horticultural spray oil less than 14 days before or after a captan application can result in phytotoxicity.

Pests	Rate of BORRADA and Horticultural Spray Oil*	
	Dilute Sprays ¹	Concentrate Sprays ²
Two-spotted spider mite McDaniel spider mite European red mite Tentiform leafminers White apple leafhopper	2.5-5.0 fl oz BORRADA/100 gals water <i>plus</i> 1 qt. Horticultural Spray Oil*/100 gals (i.e., 0.25% of finished spray)	10-20 fl oz BORRADA/A <i>plus</i> at least 1 gal Horticultural Spray Oil*/A

* Not a dormant oil

¹ Rates per 100 gals dilute spray are based on a 400 gals/acre spray volume.

² To determine the BORRADA rate per acre for concentrate sprays, it is necessary to first determine the amount needed for a full cover dilute spray. Use the same amount of product per acre in concentrate sprays as required for dilute sprays to the same grove/orchard. The result could be less than 10 fl oz/acre when used on smaller trees.

Use Restrictions — Apples

- Do not apply aerially.
- Do not apply BORRADA during bloom stage.
- Do not apply in less than 40 gallons of water per acre.
- Do not retreat within 21 days of the first application.
- Do not use more than 20 fl oz of BORRADA per acre per application or 40 fl oz/A in a growing season.
- Do not exceed 2 applications per growing season.
- Do not apply within 28 days of harvest.
- Do not graze treated orchards.

See **SPRAY DRIFT** section of this label for spray drift precautions.

AVOCADOS

For controlling avocado thrips.

Apply BORRADA using ground or aerial application equipment. Aerial application is permitted; however, aerial application is not the preferred method of application for the best control of thrips. Spray coverage and the resulting control of thrips when applied by air is less than with ground application. The user accepts all liability for the level and duration of control of thrips when BORRADA is aerially applied. When applying by ground, use a minimum of 100 gallons of water per acre and when applying by air, use a minimum of 50 gallons of water per acre.

Spray volume will vary with the size and number of trees per acre and foliage density. Assure thorough coverage to attain spider mite and insect control.

Pests	Rate of BORRADA fl oz/A	*Thrips Infestation level	Number of immature thrips per leaf/fruit
Avocado Thrips (<i>Scirtothrips perseae</i>)	10.0 – 20.0 BORRADA/A plus a horticultural oil as specified below	Low	1-2
		Moderate	3-4
		Severe	More than 5

Avocado Thrips: Apply when immature thrips are first observed but before numbers exceed 5 immature thrips per leaf/fruit. 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 1.0% - 4.0% NR (narrow range) 415 oil approved for use on avocados. Make a second application, if needed, to maintain control, but wait at least 30 days after the first application to retreat (see **Use Restrictions**). For Ground Application: If spray volume is greater than 400 gals/A, apply BORRADA at a rate of 2.5 fl oz per 100 gals of water plus 1.0%-4.0% of a narrow range 415 oil approved for use on avocados. Observe all precautions and restrictions on the oil label to prevent crop injury. Treat a small test area before making a large scale application when using oil concentrations above 2.0%.

Use Restrictions — Avocados

- Do not use less than 10 fl oz of BORRADA/A per application nor more than 20 fl oz of BORRADA/A per application.
- Do not apply within 14 days of harvest.
- Do not retreat within 30 days of the first application nor make more than 2 applications per season.
- Do not apply more than 40 fl oz/A per season.
- Do not allow livestock to graze in treated orchard.

CELERIAC (*Apium graveolens*)

For controlling two-spotted spider mites.

Apply BORRADA when mites first appear and repeat as necessary to maintain control (see **Use Restrictions**).

Use conventional dilute or concentrate ground sprayers with enough water to provide thorough coverage of the foliage. Best results are obtained when BORRADA is used in combination with a non-ionic surfactant.

Pests	fl oz BORRADA/A
Two-spotted spider mites	16.0

Use Restrictions — Celeriac

- Do not apply in less than 20 gallons of water per acre.
- Do not apply at intervals of less than 7 days.
- Do not exceed 48 fl oz/A after transplanting.
- Do not apply within 7 days of harvest.
- For resistance management, do not exceed 2 applications sequentially.

CITRUS FRUIT CROP GROUP (CROP GROUP 10)

Calamondin; Citrus citron; Citrus hybrids (*Citrus* spp.) (includes chironja, tangelo, tangor); Grapefruit; Kumquat; Lemon; Lime; Mandarin (tangerine); Sour orange; Sweet orange; Pummelo; and Satsuma mandarin.

Aerial Application – Citrus Leafminer only:

- Aerial application is permitted **only** for control of citrus leafminer
- Do not apply with aircraft to citrus in California

Ground Application

- Apply BORRADA using conventional dilute or concentrate ground sprayers with enough water to provide thorough coverage (or outside coverage to control Asian citrus psyllid, citrus thrips, and citrus leafminers).
- Spray volume varies with the number and size of trees per acre, and also with foliage density. For good pest control, ensure thorough coverage.

For controlling citrus rust mites, broad mites, two-spotted spider mites, citrus bud mites, Asian citrus psyllid, citrus leafminers, and citrus thrips.

Mites (other than citrus bud mites): Apply BORRADA when mites initially appear in the spring, summer, and/or fall months.

Citrus Bud Mites: Best results can be attained when BORRADA is applied at “bud swell.”

Asian Citrus Psyllid: Apply BORRADA to protect new growth during the spring, summer, or fall months but will only control adult and nymphs present at the time of application.

Citrus Leafminers: Apply BORRADA to protect new growth during the spring, summer, or fall months. Ground or aerial application is permitted in all citrus areas. NOTE: Aerial application is not approved in California. For aerial application, use a minimum of 10 gallons of finished spray volume per acre. Under conditions such as high pest populations, dense foliage, adverse application conditions (i.e., high temperatures) use a greater volume of water to insure adequate coverage.

Citrus Thrips: Each application of BORRADA only controls the current generation. Therefore, applications must be timed when economic thresholds have been reached—after eggs have begun to hatch, preferably at early to mid-hatch.

Apply BORRADA using conventional dilute or concentrate ground sprayers with enough water to provide thorough coverage (or outside coverage to control Asian citrus psyllid, citrus thrips, and citrus leafminers). Spray volume varies with the number and size of trees per acre, and also with foliage density. For good pest control, ensure thorough coverage.

See **SPRAY DRIFT** section of this label for spray drift precautions.

Unless specified differently below, apply BORRADA with at least 1.6 pt Horticultural Spray Oil (not dormant oil)/100 gals finished spray (i.e., 0.2% of finished spray) for dilute sprays or at least 1.0 gallon of Horticultural Spray Oil per acre in concentrate sprays.

Pests	Dilute Sprays ¹	Concentrate Sprays ²
	fl oz BORRADA/100 gals	fl oz BORRADA/A
Citrus rust mite	0.5-2.0	5-20 ³
Broad mite	1.0-2.0	10-20 ³
Two-spotted spider mite	1.0-2.0	10-20
Citrus bud mite	1.0-2.0	10-20 ⁴
Asian Citrus Psyllid	--	10-20 ³
Citrus leafminer	--	5-20 ³
Citrus thrips	--	10-20 ⁵
	<i>Plus at least 1.6 pt Horticultural Spray Oil**/100 gals (i.e., 0.2% of finished spray)</i>	<i>Plus at least 1 gal Horticultural Spray Oil**/A</i>

** Not a dormant oil.

¹ The rate of BORRADA per 100 gals is based on a volume of 1,000 gals/A dilute spray.

² For concentrate sprays, the dosage must be adjusted to apply an amount of product per acre equal to the amount required for full cover dilute sprays.

³ For ground application, use 150-300 gals/A of spray mix with a minimum of 3 gals /A of horticultural oil (not a dormant oil) and apply at a ground speed of 1 to 1.5 MPH.

⁴ Use at least 500 gals of spray mix per acre with at least 0.5% Horticultural Spray Oil**.

⁵ Use 100-250 gals of spray mix/A applied to achieve outside coverage.

Use Restrictions — Citrus Fruit Crop Group

- Aerial application is permitted only for control of citrus leafminer.
- All other pests: Ground application only. Do not apply by air.
- Aerial application to citrus is not approved in California.
- Always apply BORRADA with Horticultural Spray Oil (not a dormant oil) as directed.
- Do not apply BORRADA or any other abamectin-containing product within 30 days of the last treatment.
- Do not apply more than 40 fl oz per acre (0.047lb a.i. per acre) of BORRADA or any other abamectin-containing product in any growing season. Do not make more than 3 applications of BORRADA or any other abamectin-containing product in any growing season.
- Do not allow livestock to graze in treated orchards.
- Do not apply within 7 days of harvest.
- For resistance management, do not apply BORRADA in citrus nurseries.

COTTON

For control of two-spotted spider mites, carmine spider mites, Pacific spider mites, and strawberry spider mites.

Apply when mites first appear. Aerial or ground applications are permitted. Thorough coverage of the crop is essential; for best coverage and control, apply BORRADA with ground application equipment. Mix with sufficient volume of water to ensure thorough coverage but do not apply in less than 5 gallons of water per acre. The use rate depends on the size of the plant and the density of the foliage. Repeat applications as necessary (see **Use Restrictions**).

See **SPRAY DRIFT** section of this label for spray drift precautions.

BORRADA can be used without a wetting agent. Improved mite control can be achieved by the addition of a spreading or penetrating surfactant. A nonionic surfactant is suggested to improve the wetting of foliage. Do not use binder or sticker-type surfactants.

For early-season applications, apply 4-6 fl oz of BORRADA per acre when cotton is no more than 10 inches high. Do not use less than 4 fl oz of BORRADA per acre. **West of the Rockies:** the lower use rates can only be used on cotton that is no more than 10 inches high and on applications that are made with ground equipment only.

For mid-season or layby applications, apply 8-16 fl oz of BORRADA per acre when mites are first observed and repeat applications as necessary (see **Use Restrictions**).

Use Restrictions — Cotton

- Do not apply more than 2 times per season or more than 32 fl oz of product per acre per growing season.
- Do not apply at intervals of less than 21 days.
- Do not apply within 20 days of harvest.
- Do not feed or allow livestock to graze treated cotton.

CUCURBIT VEGETABLES CROP GROUP (CROP GROUP 9)

Chayote (fruit); Chinese waxgourd; Citron Melon; Cucumber; Gherkin; Edible Gourds (*Lagenaria* spp including hyotan, cucuzza; *Luffa acutangula*, *L. cylindrica* spp including hechima, Chinese okra); *Momordica* spp. (includes balsam apple, balsam pear, bittermelon, Chinese cucumber); Muskmelon (hybrids and cultivars of *Cucumis melo* includes true cantaloupe, cantaloupe, casaba, Crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, and snake melon); Pumpkin; Summer Squash (includes crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini); Winter Squash (includes butternut squash, calabaza, hubbard squash, acorn squash, spaghetti squash); and Watermelon (includes hybrids and/or varieties of *Citrullus lanatus*).

For controlling leafminers and spider mites.

Apply BORRADA when adult leafminer flies or spider mites are initially seen. Repeat applications when needed

to maintain control (see **Use Restrictions**). When low to moderate infestations are present, use 8 fl oz per acre; for severe infestations, use 16 fl oz per acre.

Apply as a foliar spray in at least 20 gallons of water per acre by ground or in at least 5 gallons per acre by air. Under conditions such as high pest populations, dense or rank foliage, high temperatures or other such adverse application situations, use a greater water volume to ensure adequate coverage. For best results, ensure that good upper and lower leaf coverage is attained. Do not apply BORRADA by aerial application equipment in New York State.

Pests	fl oz BORRADA/A
Spider mites Leafminers	8.0 - 16.0

Use Restrictions — Cucurbit Vegetables Crop Group

- Do not apply in less than 20 gallons of water per acre by ground or in less than 5 gallons per acre by aircraft.
- Do not apply at intervals of less than 7 days.
- Do not use more than 48 fl. oz per acre in any growing season.
- Do not apply within 7 days of harvest.
- For resistance management, do not exceed 2 sequential applications.

DRY BEANS

Cicer arietinum - Chickpea, Garbanzo bean

Lupinus spp. - Sweet lupine, White sweet lupine, White lupine and Grain lupine

Phaseolus spp. - Kidney bean, Lima bean, Mung bean, Navy bean, Pinto bean, Snap bean and Waxbean

Vicia faba - Broad bean and Fava bean

Vigna spp. – Adzuki bean, Asparagus bean, Blackeyed pea, Catjang, Chinese longbean, Cowpea*, Crowder pea, Moth bean, Mung bean, Rice bean, Southern pea, Urd bean and Yardlong bean

* For use on cowpeas grown for dry seed only. Do not allow livestock to graze cowpea forage and do not harvest cowpea forage or hay for use as livestock feed.

For controlling *Liriomyza* leafminers and spider mites.

Apply BORRADA when adult leafminer flies or spider mites are initially seen. Repeat applications when needed to maintain control (see **Use Restrictions**). When low to moderate infestations are present, use 8 – 12 fl oz per acre; for severe infestations, use 13 – 16 fl oz per acre.

Apply as a foliar spray in at least 10 gallons of water per acre by ground or in at least 5 gallons per acre by air. Under conditions such as high pest populations, dense or rank foliage, high temperatures or other such adverse application situations, use a greater water volume to ensure adequate coverage. For best results, ensure that good upper and lower leaf coverage is attained. Do not apply BORRADA by aerial application equipment in New York State.

Pests	fl oz BORRADA/A
Spider mites <i>Liriomyza</i> leafminers	8.0 - 16.0

Use Restrictions — Dry Beans

- Do not apply in less than 20 gallons of water per acre by ground or in less than 5 gallons per acre by aircraft.
- Do not apply at intervals of less than 7 days.
- Do not apply more than 16 fl oz/A (or 0.019 lb ai/A) of BORRADA or any other foliarly applied product containing abamectin per application.
- Do not use more than 48 fl oz per acre (0.056 lb ai/A) of BORRADA or any other foliarly applied product containing abamectin in any growing season.
- Do not apply within 7 days of harvest.
- For resistance management, do not exceed 2 sequential applications of BORRADA or any other foliarly applied product containing abamectin.

FRUITING VEGETABLES CROP GROUP (EXCEPT CUCURBITS) (CROP GROUP 8)

Eggplant; Groundcherry; Pepino; Pepper (includes bell pepper, chili pepper, cooking pepper, pimento, sweet pepper); Tomatillo; and Tomato

For controlling Tomato pinworm, Broad mite, *Liriomyza* leafminers, Colorado potato beetle, Spider mites, Thrips palmi, Tomato russet mite, and Tomato psyllid.

Broad, russet, and spider mites: Apply when mites first appear.

Thrips palmi: Apply when thrips are first observed.

Tomato pinworm: Application can be made from the time moth activity is detected up to, but no later than the time when newly emerged larvae are present.

Mites, leafminers, Thrips palmi, and Colorado potato beetle: Use 8 fl oz/A for low to moderate infestations and 16 fl oz/A for severe infestations.

Apply as a foliar spray in at least 20 gallons of water per acre by ground or in at least 5 gallons per acre by air. Under conditions such as high pest populations, dense or rank foliage, high temperatures or other such adverse application situations, use a greater water volume to ensure adequate coverage. For best results, ensure thorough coverage of the crop canopy. With aerial application, spray coverage and the resulting control of mites is less than when using ground application equipment. For this reason, the user accepts all liability for the level and duration of control of mites when BORRADA is aerially applied. Do not apply BORRADA by aerial application equipment in New York State.

Repeat application as necessary to maintain control (see **Use Restrictions**).

BORRADA can be used without a wetting agent. Spreading and penetrating surfactants can improve insect control when necessary to improve the wetting of foliage and to smooth out spray deposits, use a nonionic surfactant. Do not use binder of sticker-type surfactants.

Pests	fl oz BORRADA/A
Broad mite Colorado potato beetle <i>Liriomyza</i> leafminers Spider mites Thrips palmi Tomato psyllid Tomato Russet mite	8.0 - 16.0
Tomato pinworm	16.0

Use Restrictions — Fruiting Vegetables Crop Group (Except Cucurbits)

- Do not apply within 7 days of harvest.
- For resistance management, do not use on fruiting vegetables grown for transplanting.
- Wait at least 7 days before repeating application but do not make more than 2 sequential applications nor exceed 48 fl oz/A in a growing season.

GRAPES

For controlling two-spotted spider mites, Pacific spider mites, Willamette spider mites, Western grapeleaf skeletonizers, and for contact knock-down of Variegated leafhopper and Western grape leafhoppers.

Spider mites: Apply when mites initially appear, but before the number of motiles exceeds 5 per leaf. When low to moderate infestations are present, use 8 fl oz/acre; for severe infestations, use 16 fl oz/acre.

Western grapeleaf skeletonizer: Apply BORRADA with a non-ionic surfactant when the larvae are initially seen. For best results, apply BORRADA shortly after eggs hatch. When low to moderate infestations are present, use 8 fl. oz/acre; for severe infestations, use 16 fl oz/acre.

Western grape leafhoppers and variegated leafhoppers: For contact knock-down control of these pests, apply BORRADA with a non-ionic surfactant when pest first appears. When low to moderate infestations are present, use 8 fl. oz/acre; for severe infestations, use 16 fl oz/acre.

Use conventional ground sprayers only with enough water to provide thorough coverage. For good pest control, thorough coverage is essential. To improve the wetting of foliage and to spread out spray deposits, always use BORRADA in combination with a non-ionic surfactant. To maximize coverage, BORRADA must be applied to both sides of each row (i.e., do not use alternate row treatments).

It is not possible to test all grape varieties under the multitude of biotic and abiotic conditions that may cause phytotoxicity. Therefore, carefully follow the **DIRECTIONS FOR USE** and **PRECAUTIONS** sections of non-ionic surfactant labels and/or official spray guides when using BORRADA with a non-ionic surfactant.

Pests	fl oz BORRADA/A
Two-spotted spider mite Pacific spider mite Willamette spider mite Western grapeleaf skeletonizer Western grape leafhopper* Variegated leafhopper*	8.0 - 16.0 <i>Plus a nonionic surfactant**</i>

* Note: BORRADA only provides contact knock-down control of this pest.

**Note: BORRADA must be applied with a non-ionic surfactant to spread out spray deposits and improve wetting of foliage.

Use Restrictions — Grapes

- Do not apply in less than 50 gallons of water per acre except when using an electrostatic sprayer; do not use less than 5 gallons of water per acre with this type of spray equipment.
- Do not reapply within 21 days of first application.
- Do not use more than 16 fl oz of BORRADA per acre per application or 32 fl oz per acre in a growing season.
- Do not exceed two applications per growing season nor apply within 28 days of harvest.
- Do not allow livestock to graze in treated vineyards.
- Do not apply aerially.

HERB CROP SUBGROUP (CROP SUBGROUP 19A)

Some of the crops in this group are: Angelica; Balm; Basil; Borage; Burnet; Chamomile; Catnip; Chervil (dried); Chives; Chives (Chinese); Clary; Coriander (leaf); Cilantro (leaf); Costmary; Culantro (leaf); Curry (leaf); Dill weed; Horehound; Hyssop; Lavender; Lemongrass; Lovage (leaf); Marigold; Marjoram (*Origanum* spp.); Nasturtium; Parsley (dried); Pennyroyal; Rosemary; Rue; Sage; Savory (summer and winter); Sweet bay; Tansy; Tarragon; Thyme; Wintergreen; Woodruff; and Wormwood.

For controlling *Liriomyza* leafminers and Spider mites.

Apply using conventional ground sprayers only in a minimum of 20 gallons of water per acre. Apply as a foliar spray providing thorough coverage of the upper and lower leaf surfaces. BORRADA can be used without a wetting agent. When it is necessary to smooth out spray deposits or improve the wetting of foliage, a nonionic surfactant can be used for all crops in the Herb Crop Subgroup 19A except chives. Although BORRADA has been tested in combination with a nonionic surfactant for safety to herbs, it is impossible to test on all herb types and varieties under the variety of conditions that may cause crop injury. To avoid crop injury, carefully follow the Directions for Use and Precautions sections of non-ionic surfactant labels and/or official spray guides when using BORRADA with a non-ionic surfactant.

Use the lower rate for low to moderate infestations and the higher rate for severe infestations. Apply when adult flies are first observed and repeat application as necessary to maintain control (see **User Restrictions**).

Pests	fl oz BORRADA/A
<i>Liriomyza</i> leafminers Spider mites	8.0 - 16.0

Use Restrictions — Herb Crop Subgroup 19A

- Do not apply within 14 days of harvest. For chives, do not apply within 7 days of harvest.
- Do not reapply within 7 days of first application.
- Do not apply more than 16 fl oz/A (or 0.019 lb ai/A) of BORRADA or any other foliarly applied product containing abamectin per application.
- Do not make more than 2 applications of BORRADA or any other foliarly applied product containing abamectin per single cutting (harvest).
- Do not apply more than 48 fl oz/A (or 0.056 lb ai/A) of BORRADA or any other foliarly applied product containing abamectin per cropping season (6 applications at 8 fl oz/A or 3 applications at 16 fl oz/A).
- Do not apply aerially.

HOPS (Not registered for use in California)

For controlling two-spotted spider mites.

Apply BORRADA when populations of two-spotted spider mites reach treatment thresholds. When hop vines are 6 - 8 feet tall, use 8 - 16 fl oz BORRADA in at least 40 gallons of water using conventional ground equipment only. When hop vines exceed 8 feet in height, use 16 fl oz BORRADA in at least 100 gallons of water. Do not retreat with an abamectin product within 21 days of the initial application and then only after treatment with an alternative miticide with a different mode of action.

Mix with water as specified then apply with ground equipment as a foliar spray to obtain good upper and lower leaf coverage. Spray volume can vary with plant size and density of foliage. To control two-spotted mites, thorough coverage of foliage is essential. When using concentrate sprays, the volume of water is reduced, but the amount per acre of BORRADA remains the same as that of dilute sprays. BORRADA can be used without a wetting agent; however, use a nonionic surfactant to improve wetting of foliage and to spread out spray deposits.

See **SPRAY DRIFT** section of this label for spray drift precautions.

Pests	fl oz BORRADA/A
Two-spotted spider mites	8.0 - 16.0

Use Restrictions — Hops

- Do not exceed 2 applications or 32 fl oz/acre per growing season nor apply within 28 days of harvest.
- Do not allow livestock to graze in treated hop yards.
- Do not apply aerially.

LEAFY VEGETABLE CROP GROUP (EXCEPT BRASSICA VEGETABLES) (CROP GROUP 4)

Some of the crops in this group are Amaranth (leafy Amaranth, Chinese spinach, tampala) (*Amaranthus* spp.); Arugula (Rocket) (*Eruca sativa*); Cardoon (*Cynara cardunculus*); Celery (*Apium graveolens* var. *dulce*); Celery, Chinese (*Apium graveolens* var. *secalinum*); Celtuce (*Lactuca sativa* var. *angustana*); Chervil (*Anthriscus cerefolium*); Chrysanthemum, edible-leaved (*Chrysanthemum coronarium* var. *coronarium*); Chrysanthemum, garland (*Chrysanthemum coronarium* var. *spatiosum*); Corn salad (*Valerianella locusta*); Cress, garden (*Lepidium sativum*); Cress, upland (yellow rocket, winter cress) (*Barbarea vulgaris*); Dandelion (*Taraxacum officinale*); Dock (sorrel) (*Rumex* spp.); Endive (escarole) (*Cichorium endivia*); Fennel, Florence (finocchio) (*Foeniculum vulgare* Azoricum Group); Lettuce, head and leaf (*Lactuca sativa*); Orach (*Atriplex hortensis*); Parsley (*Petroselinum crispum*); Purslane, garden (*Portulaca oleracea*); Purslane, winter (*Montia perfoliata*); Radicchio (red chicory) (*Cichorium intybus*); Rhubarb (*Rheum rhabarbarum*); Spinach (*Spinacia oleracea*); Spinach, New Zealand (*Tetragonia tetragonioides*, *T. expansa*); Spinach, vine (Malabar spinach, Indian spinach) (*Basella alba*); and Swiss chard (*Beta vulgaris* var. *cicla*).

For controlling carmine spider mite, *Liriomyza* leafminers, and two-spotted spider mite.

Leafminers: Apply when adult flies are first observed and repeat applications as needed to maintain control (see **Use Restrictions**).

Spider mites: Apply when mites first appear, and repeat as needed to maintain control (see **Use Restrictions**).

Apply as a foliar spray in at least 20 gallons of water per acre by ground or in at least 5 gallons per acre by air. Under conditions such as high pest populations, dense foliage, high temperatures, or other such adverse application situations, use a greater water volume to ensure adequate coverage. Thorough coverage of the crop canopy is essential. With aerial application, spray coverage and the resulting control of mites is less than when using ground application equipment. For this reason, the user accepts all liability for the level and duration of control of mites when BORRADA is aerially applied. Use the lower rates for low to moderate infestations and the higher rate for severe infestations. Do not apply BORRADA by aerial application equipment in New York State.

BORRADA can be used without a wetting agent. Spreading and penetrating surfactants can improve insect control when necessary to improve the wetting of foliage and to smooth out spray deposits, use a nonionic surfactant. Do not use binder or sticker-type surfactants.

Pests	fl oz BORRADA/A
Carmine spider mite <i>Liriomyza</i> leafminers Twospotted spider mite	8.0 - 16.0 <i>plus</i> a nonionic surfactant

Use Restrictions — Leafy Vegetable Crop Group (Except Brassica Vegetables)

- Do not apply within 7 days of harvest.
- For resistance management, do not use on leafy vegetables grown for transplanting nor make more than 2 sequential applications.
- Do not reapply within 7 days of first application.
- Do not apply more than 48 fl oz/A per growing season.

MINT (PEPPERMINT AND SPEARMINT)

For controlling two-spotted spider mite

Apply as a foliar spray in at least 20 gallons of water per acre by ground or in at least 5 gallons per acre by air. Under conditions such as high pest populations, dense foliage, high temperatures, or other such adverse application situations, use a greater water volume to ensure adequate coverage. Thorough coverage of the crop canopy is essential. With aerial application, spray coverage and the resulting control of mites is less than when using ground application equipment. For this reason, the user accepts all liability for the level and duration of control of mites when BORRADA is aerially applied. Do not apply BORRADA by aerial application equipment in New York State.

Use the lower rates for low to moderate infestations and the higher rate for severe infestations. For optimum control, a nonionic or organosilicone-based surfactant can be used at rates specified on the surfactant label. To avoid crop injury, carefully follow the Directions for Use and Precautions sections of the surfactant labels and/or official spray guides when using in the spray mixture.

Pests	fl oz BORRADA/A
Twospotted spider mite	8.0 - 12.0

Use Restrictions — Mint (Peppermint and Spearmint)

- Do not apply within 28 days of harvest.
- Do not apply more than 12 fl oz/A per application nor more than 36 fl oz/A per crop season.
- Do not reapply within 7 days of first application.
- Do not make more than 2 sequential applications and do not apply more than 3 applications per season.
- Do not allow livestock to graze or feed treated foliage to livestock.

ONION, BULB (CROP SUBGROUP 3-07A)

Onion, bulb including daylily bulb; Fritillaria bulb; Garlic bulb; Garlic, great-headed bulb; Garlic, serpeant bulb; Lily bulb; Onion, Chinese bulb; Onion, pearl; Onion, potato bulb; Shallot, bulb; Cultivars, varieties and/or hybrids of these.

For controlling *Liriomyza* leafminers and thrips.

For leafminers, apply BORRADA when adult leafminer flies are initially seen and repeat applications as needed for control (see **Use Restrictions**). For thrips, apply BORRADA in a thrips management program and when thrips are at economic threshold and repeat applications when needed to maintain control (see **Use Restrictions**). Do not use BORRADA as a rescue treatment for thrips control. When low to moderate infestations are present, use 8 – 12 fl oz per acre; for severe infestations, use 13 – 16 fl oz per acre. Add a non-ionic activator type wetting, spreading and/or penetrating adjuvant approved for use on bulb onion. Do not use binder sticker type adjuvants. Tank mixing with products that have binder sticker type formulations can reduce BORRADA performance. (See **Use Information and Use Restrictions**.)

Apply as a foliar spray in at least 20 gallons of water per acre by ground or in at least 5 gallons per acre by air. Under conditions such as high pest populations, dense or rank foliage, high temperatures or other such adverse application situations, use a greater water volume to ensure adequate coverage. For best results, ensure that good upper and lower leaf coverage is attained. Do not apply BORRADA by aerial application equipment in New York State.

Pests	fl oz BORRADA/A
Thrips <i>Liriomyza</i> leafminers	8.0 – 16.0

Use Restrictions — Onion, Bulb (Crop Subgroup 3-07A)

- Do not apply in less than 20 gallons of water per acre by ground or in less than 5 gallons per acre by aircraft.
- Do not apply at intervals of less than 7 days.
- Do not apply more than 16 fl oz/A (or 0.019 lb ai/A) of BORRADA or any other foliarly applied product containing abamectin per application.
- Do not use more than 48 fl oz per acre (0.056 lb ai/A) of BORRADA or any other foliarly applied product containing abamectin in any growing season.
- Do not apply within 30 days of harvest.
- Make 2 consecutive applications of BORRADA then rotate to a chemistry with a different mode of action. Make at least 2 applications of a chemistry with a different mode of action before making additional BORRADA applications. For resistance management, do not exceed 2 sequential applications of BORRADA or any other foliarly applied product containing abamectin.

PEARS (including oriental pear trees)

For controlling European red mite, pear rust mite, yellow mite, two-spotted spider mite, McDaniel spider mite, and pear psylla.

Apply BORRADA using conventional dilute or concentrate ground sprayers only calibrated to deliver enough water for thorough coverage but not less than 40 gallons of water per acre. Spray volume will vary with the size and number of trees per acre and foliage density. Assure thorough coverage to attain effective spider mite and insect control. Always apply BORRADA combined with a Horticultural Spray Oil (not dormant oil) as directed.

See **SPRAY DRIFT** section of this label for spray drift precautions.

Apply BORRADA using at least 1 qt Horticultural Spray Oil*/100 gals (i.e., 0.25% of finished spray) in dilute sprays or with at least 1.0 gal of Horticultural Spray Oil* per acre in concentrate sprays.

Applying BORRADA plus horticultural spray oil less than 14 days before or after applying Captan can result in phytotoxicity and crop loss.

Pests	Rate of BORRADA and Horticultural Spray Oil*	
	Dilute Sprays ¹	Concentrate Sprays ²
Two-spotted spider mite McDaniel spider mite European red mite Pear rust mite Yellow mite Pear psylla	2.5 - 5.0 fl oz BORRADA/100 gals water <i>plus</i> 1 qt. Horticultural Spray Oil*/100 gals (i.e., 0.25% of finished spray)	10 - 20 fl oz BORRADA/A <i>plus</i> at least 1.0 gal Horticultural Spray Oil*/A

* Not a dormant oil.

¹ Rates per 100 gals are based on a volume of 400 gals/acre dilute spray.

² To determine the BORRADA rate per acre for concentrate sprays, it is necessary to first determine the amount needed for a full cover dilute spray. Use the same amount of product per acre in concentrate sprays as required for dilute sprays to the same grove/orchard. The result can be less than 10 fl oz/acre when used on smaller trees.

Use Restrictions — Pears (including oriental pear trees)

- Do not reapply within 21 days of first application nor apply within 28 days of harvest.
- Do not use more than 20 fl oz of BORRADA per acre per application. Do not exceed 40 fl oz/acre in a single growing season.
- Do not exceed 2 applications per growing season.
- Do not allow livestock to graze in treated orchards.
- Do not apply aerially.

STONE FRUIT CROP GROUP (CROP GROUP 12)

Crops in this group are: apricot, cherry (sweet and tart); nectarine; peach; plum; plum (chicasaw, damson, and Japanese); plumcot; and prune (fresh).

For controlling European spider mite, Pacific spider mite, and two-spotted spider mite.

Use conventional dilute or concentrate ground sprayers only with enough water to produce thorough coverage, but do not use less than 40 gallons of water per acre. Spray volume will vary with the size and number of trees per acre and foliage density. Assure thorough coverage to attain spider mite control.

See **SPRAY DRIFT** section of this label for spray drift precautions.

Apply when mites first appear. A second application can be made, if needed, to maintain control (see **Use Restrictions**).

Apply BORRADA in combination with a nonionic surfactant that spreads on and/or penetrates the leaf cuticle or apply with horticultural spray oil (not a dormant oil). To avoid crop injury, carefully follow the **DIRECTIONS FOR USE** and **PRECAUTIONS** sections of the surfactant or oil label(s) and/or official spray guides when using in the spray mixture.

Pest	For dilute sprays ¹ fl oz/100 gals	For Concentrate sprays ² fl/oz/A
European red mite	2.5-5.0	10-20
Pacific spider mite	<i>plus</i>	<i>plus</i>
Twospotted spider mite	0.25% or 1 gal/A horticultural spray oil (not a dormant oil) or nonionic surfactant at the labeled rate	horticultural spray oil (not a dormant oil) at a minimum of 1 gal/A

¹ The rate of BORRADA per 100 gals is based on volume of 400 gals/A dilute spray.

² 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 can result in use of less than 10 fl oz/A on small trees.

Use Restrictions — STONE FRUIT CROP GROUP

- Do not reapply within 21 days of first application nor within 21 days of harvest.
- Do not apply more than 20 fl oz/A per application nor more than 40 fl oz/A in a growing season.
- Do not make more than 2 applications per growing season.
- Do not allow livestock to graze in treated orchards.
- Do not apply aerially.

STRAWBERRIES

For controlling two-spotted spider mites and strawberry spider mite.

Apply 16 fl oz per acre of BORRADA when mites are initially seen. Make 2 applications at intervals of 7 - 10 days and repeat this sequence as needed to maintain control. Wait at least 21 days after the second application before repeating application. To ensure maximum coverage of tops and undersides of foliage, adjust nozzle placement and spray volume. BORRADA can be used without a wetting agent; however, use a nonionic surfactant to improve wetting of foliage and to spread out spray deposits.

Pests	fl oz BORRADA/A
Two-spotted spider mite	16.0
Strawberry spider mite	

Use Restrictions — Strawberries

- Do not apply in less than 50 gallons of water per acre with conventional ground application equipment only except when using an electrostatic sprayer; do not use less than 10 gallons of water per acre with this type of spray equipment.
- Do not use more than 16 fl oz of BORRADA per acre per application. Do not exceed 64 fl oz/acre in a single growing season.
- Do not apply within 3 days of harvest.
- For resistance management, BORRADA must not be used in strawberry nurseries.
- Do not apply aerially.

TREE NUTS CROP GROUP (CROP GROUP 14) AND PISTACHIO

Crops in this group are: almond, beech nut, Brazil nut, butternut, cashew, chestnut, chinquapin, filbert (hazelnut), hickory nut, macadamia nut, pecan, and walnuts (black and English).

For controlling strawberry spider mites, Pacific spider mites, two-spotted spider mites, and European red mites. (Ground application only.)

Apply BORRADA when mites initially appear. To maintain control, make a second application of BORRADA after at least 21 days, if needed. Spray deposits on newer leaves (compared to older leaves) provide greater residual spider mite control.

Use conventional dilute or concentrate ground sprayers with enough water to provide thorough coverage. Volume of spray will vary with the size and number of trees per acre and foliage density. Assure thorough coverage to attain spider mite control. Use BORRADA with a Horticultural Spray Oil (not a dormant oil) that is approved for use on Tree Nuts Crop Group and Pistachio. If applications are made without Horticultural Spray Oil, reduced efficacy and/or reduced residual control could result.

See **SPRAY DRIFT** section of this label for spray drift precautions.

Pests	Rate of BORRADA and Horticultural Spray Oil*	
	Dilute Sprays ¹	Concentrate Sprays ²
Two-spotted spider mite Pacific spider mite Strawberry spider mite European red mite	2.5-5.0 fl oz BORRADA/100 gals water <i>plus</i> 1 qt. Horticultural Spray Oil*/100 gals (i.e., 0.25% of finished spray)	10-20 fl oz BORRADA/A <i>plus</i> at least 1 gal Horticultural Spray Oil*/A

* Not a dormant oil

¹ Rates per 100 gals dilute spray are based on a 400 gal/acre spray volume.

² To determine the BORRADA rate per acre for concentrate sprays, it is necessary to first determine the amount needed for a full cover dilute spray. Use the same amount of product per acre in concentrate sprays as required for dilute sprays to the same grove/orchard. The result can be less than 10 fl oz/acre when used on smaller trees.

Use Restrictions — Tree Nuts Crop Group and Pistachio

- Do not apply aerially.
- Do not apply in less than 40 gallons of water per acre.
- Do not retreat within 21 days of the first application.
- Do not use more than 20 fl oz of BORRADA per acre per application or 40 fl oz/A in a growing season.
- Do not exceed 2 applications per growing season.
- Do not apply within 21 days of harvest.
- Do not allow livestock to graze treated groves or orchards.

TUBEROUS AND CORM VEGETABLES CROP SUBGROUP (CROP SUBGROUP 1C)

Crops in this subgroup are: arracha; arrowroot; artichoke, Chinese; artichoke, Jerusalem; canna, edible; cassava (bitter and sweet); chayote (root); chufa; dasheen; ginger; leren; potato; sweet potato; taniel; turmeric; yam bean; and yam, true.

For controlling Colorado potato beetles, *Liriomyza* leafminers, Potato psyllid and Spider mites.

Colorado potato beetles: Apply BORRADA when 50% of egg masses have hatched and larvae are observed. If two applications are planned, they must be restricted to a single Colorado potato beetle generation per season, and intervals of at least 7 days must be observed. For low to moderate infestations, use 8 fl oz per acre; for severe infestations, use 16 fl oz per acre. Do not exceed 2 applications per season.

***Liriomyza* leafminers:** Make initial application when adult flies are first seen. Repeat applications as necessary to maintain control (see **Use Restrictions**) as long as there is a minimum of 7-day intervals between applications. For low to moderate infestations, use 8 fl. oz per acre; for severe infestations, use 16 fl oz per acre.

Spider mites: Apply the first application when mites first appear. Repeat applications as necessary to maintain control (see **Use Restrictions**) as long as there is a minimum of 7-day intervals between applications. For low to

moderate infestations, use 8 fl oz per acre; for severe infestations, use 16 fl oz per acre.

Apply as a foliar spray in at least 20 gallons of water per acre by ground or in at least 5 gallons per acre by air. Under conditions such as high pest populations, dense or rank foliage, high temperatures or other such adverse application situations, use a greater water volume to ensure adequate coverage. For best results, ensure that good upper and lower leaf coverage is attained. To optimize pest control, add an organosilicone-based surfactant or non-ionic surfactant at the manufacturer's specified rate. Effectiveness can be reduced if BORRADA is used with a binder or sticker type product (such as Bravo Weather Stik®). Do not apply BORRADA by aerial application equipment in New York State.

Pests	fl oz BORRADA/A
Colorado potato beetles Spider mites <i>Liriomyza</i> leafminers Potato psyllid	8.0 – 16.0

Use Restrictions — Tuberous and Corm Vegetables Crop Subgroup

- Do not use more than 32 fl oz/acre per season to control spider mites or Colorado potato beetles or more than 48 fl oz/acre per season to control leafminers.
- Do not exceed 2 sequential applications and wait at least 7 days between applications.
- Do not apply within 14 days of harvest.
- Do not allow livestock to graze or feed treated foliage.

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: Pesticide spray mixture or rinsate that cannot be used must be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING:

Nonrefillable Container: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean 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 rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes.

LIMITATION OF WARRANTY AND LIABILITY

Read the entire directions for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following **CONDITIONS, DISCLAIMER OF WARRANTIES and LIMITATIONS OF LIABILITY.**

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