UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

November 19, 2021

Miriam Frugis
Regulatory Affairs
Makhteshim Agan of North America, Inc. (d/b/a ADAMA)
3120 Highwoods Blvd., Suite 100
Raleigh, North Carolina 27604

Subject: PRIA Label Amendment – New use on cranberry submitted with IR-4 petition, incorporation of ID label mitigation
Product Name: Fanfare II E
EPA Registration Number: 66222-261
Application Dates: 6/1/2016 and 2/16/2021
Decision Numbers: 518167, 518166, 570843

Dear Ms. Frugis:

The application referred to above, submitted under the Federal Insecticide, Fungicide and Rodenticide Act, as amended is acceptable under FIFRA sec 3 (c)(5). You must submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the Registration Review of the above referenced product in connection with the Bifenthrin Interim Decision, and has concluded that your submission is acceptable.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process.

Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, you may contact Hester Dingle at 202-566-2596 or via email at dingle.hester@epa.gov.

Sincerely,

Jennifer Saunders, PhD, Chief
Invertebrate & Vertebrate Branch 1
Registration Division (7505P)
Office of Pesticide Programs

Enclosure

RESTRICTED USE PESTICIDE
TOXIC TO FISH AND AQUATIC ORGANISMS
For retail sale to and use only by certified applicators or persons under their direct supervision and only for the uses covered by the certified applicator's certification.

ACCEPTED
11/19/2021
Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 66222-261

BIFENTHRIN | **GROUP 3A** | **INSECTICIDE**

FANFARE® II E
INSECTICIDE/MITICIDE

[Alternate Brand Name: **FANFARE®EC**]

ACTIVE INGREDIENT:	**% BY WT.**
Bifenthrin: (2 methyl[1,1'-biphenyl]-3-yl)methyl 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethyl-cyclopropanecarboxylate*	24.0%
OTHER INGREDIENTS:**	76.0%
TOTAL	100.0%

*Cis isomers 97% minimum, trans isomers 3% maximum.
**Contains petroleum distillates.
This product contains 2 pounds active ingredient per gallon.

EPA Reg. No. 66222-261 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).

How can we help? 1-866-406-6262.

Manufactured for:
Makhteshim Agan of North America, Inc. (d/b/a ADAMA)
3120 Highwoods Blvd., Suite 100
Raleigh, NC 27604

NET CONTENTS: ___ GALS

FIRST AID	
IF SWALLOWED:	• Immediately call a poison control center or doctor. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give **any** liquid to the person. • Do not give anything by mouth to an unconscious person.
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 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 1-877-250-9291 for emergency medical treatment information.	

NOTE TO PHYSICIAN: This product is a pyrethroid. If large amounts have been ingested, the stomach and intestines should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and should be avoided. This product contains a petroleum distillate; vomiting may cause aspiration pneumonia.

[For additional precautionary, handling and use statements, see inside of the booklet.]

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

May be fatal if swallowed. Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses). Harmful if absorbed through skin. Avoid contact with skin, eyes, 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 (PPE)

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

Mixers and loaders supporting aerial applications to cotton must wear at a minimum:

- long-sleeved shirt and long pants,
- chemical-resistant gloves made of barrier laminate or viton ≥ 14 mils
- shoes plus socks

Mixers, loaders, and applicators using mechanically pressurized handguns for applications to tuberous and corm vegetables must wear at a minimum:

- long-sleeved shirt and long pants,
- chemical-resistant gloves made of barrier laminate or viton ≥ 14 mils
- shoes plus socks

Mixers, loaders, and applicators using mechanically pressurized handguns for applications to tobacco must wear at a minimum:

- long-sleeved shirt and long pants,
- chemical-resistant gloves made of barrier laminate or viton ≥ 14 mils
- shoes plus socks

Handlers who may be exposed to the dilute through application or other tasks must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves: barrier laminate or Viton ≥ 14 mils.
- Wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any R or P filter; OR a NIOSH approved elastomeric particulate respirator with any R or P filter; OR a NIOSH-approved powered air purifying respirator with HE filters.
- Shoes plus socks

Handlers who may be exposed to the concentrate through mixing, loading, application, or other tasks must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves: barrier laminate or Viton ≥ 14 mils.
- Wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any R or P filter; OR a NIOSH approved elastomeric particulate respirator with any R or P filter; OR a NIOSH-approved powered air purifying respirator with HE filters.
- Shoes plus socks
- 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 extremely toxic to fish and aquatic invertebrates. Use with care when applying in areas adjacent to any body of water. 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 make applications when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

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 while bees are actively visiting the treatment area. **Protect pollinating insects by following label directions intended to minimize drift and to reduce risk to these organisms.**

The use of bifenthrin is prohibited in areas that may result in exposure of endangered species to bifenthrin. Prior to use in a particular county, contact the local extension service for procedures and precautions to use to protect endangered species.

PHYSICAL/CHEMICAL HAZARDS

COMBUSTIBLE. Do not use or store near heat or open flame.

DIRECTIONS FOR USE

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.

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
- Chemical-resistant gloves: barrier laminate or Viton ≥ 14 mils.
- Wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any R or P filter; OR a NIOSH approved elastomeric particulate respirator with any R or P filter; OR a NIOSH-approved powered air purifying respirator with HE filters.
- Shoes plus socks

RESISTANCE MANAGEMENT

For resistance management, **FANFARE® II E** contains a Group 3A insecticide. Any insect population may contain individuals naturally resistant to **FANFARE® II E** and other Group 3A insecticides/acaricides. The resistant individuals may dominate the insect/mite population if this group of insecticides/acaricides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide/acaricide resistance, take the following steps:

• Rotate the use of **FANFARE® II E** or other Group 3A insecticides/acaricides within a growing season, or among growing seasons, with different groups that control the same pests. Avoid application of more than 5 and consecutive sprays of **FANFARE® II E** or other insecticides in the same group in a season.

• Use tank mixtures with insecticides/acaricides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):

o Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
o Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
o When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
o Mixtures become less effective if resistance is already developing to one or both active ingredients, but they

may still provide pest management benefits.
o The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.

• Adopt an integrated pest management program for insecticide/acaricides use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.

• Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.

• Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.

• For further information or to report suspected resistance contact ADAMA's representatives at 1-866-406-6262.

CHEMIGATION USE DIRECTIONS

Apply this product only through sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move irrigation systems. Do not apply this product through any other type of irrigation system.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system.

Crop injury, lack of effectiveness, or illegal residues in the crop can result from non-uniform distribution of treated water. Contact your State Agricultural Extension Service specialists, equipment manufacturers, or other experts for consultation on the suitability of the equipment set up to obtain effective control of the target insect pests.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise. Failure to cease application during a mechanical stoppage may result in undesirable residues to adjacent areas.

The system must contain a functional check valve, vacuum-relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

For sprinkler irrigation, meter Fanfare® EC at a continuous uniform rate during the entire irrigation period. To ensure accurate application over the treated area, apply in sufficient volume of water or other diluent. If non-emulsified oil is used as the diluent, use 1 to 2 pints per acre. Maintain continuous agitation of the pesticide supply tank for the duration of the application period. When chemigation systems are used, 0.5 inch per acre of irrigation water is suggested except that for Low Energy Precision Application (LEPA) irrigation, a minimum of 0.75 inch of water per acre is suggested.

ROTATIONAL CROPS

Crops for which bifenthrin tolerances exist may be rotated at any time. All other crops may be rotated 30 days following the final application of FANFARE II E.

MIXING INSTRUCTIONS

The spray tank must be clean, thoroughly rinsed, and decontaminated before adding either FANFARE II E alone or with tank mix combinations (see **FANFARE II E in Tank Mixtures** section below). If water is used as the carrier, use

clean water.

For aerial applications made on brassicas (see **CROPS** section of the label below for full list of approved brassicas), canola, crambe, rapeseed, foliar applications on corn, cucurbits (see **CROPS** section of the label below for full list of approved cucurbits), eggplant, grapes, head lettuce, and succulent peas and beans (see **CROPS** section of the label below for full list of approved succulent peas and beans), 1 to 2 quarts of emulsified oil may be substituted for 1 to 2 quarts of water in the finished spray. For aerial applications made on cotton, 1 quart of emulsified oil may be substituted for one quart of water in the finished spray. Thorough coverage is essential to achieve control.
FANFARE II E Used Alone: When FANFARE II E is used alone, add the labeled amount to the spray tank when the tank is half filled with water or other carrier; then add the rest of the water or other carrier (as permitted on this label). Provide sufficient agitation during mixing and application to maintain a uniform emulsion.
FANFARE II E with Fertilizer: Fill the spray tank approximately one-half full with water and/or liquid fertilizer, add the proper amount of FANFARE II E, and then add the rest of the water and/or fertilizer. Provide sufficient agitation during mixing and application to maintain a uniform spray mixture.
Perform a jar compatibility test with the appropriate ratio of FANFARE II E and fertilizer to ensure the mixture will stay in solution. Maintain constant agitation during mixing and application.
FANFARE II E in Tank Mixtures: If a tank mixture is used, perform a compatibility test before actual tank mixing. Test all untried mixtures using proper ratios and mixing sequences of all ingredients to be included in the mixture. Once compatibility is confirmed for the tank mix, fill the tank half full with water or other carrier. Start and continue agitation throughout mixing following conventional mixing order practices. FANFARE II E may be applied in tank mixtures with other products approved for use on registered crops. Observe all restrictions and precautions which appear on the labels of these products.

APPLICATION INSTRUCTIONS

The rate of FANFARE II E applied will vary according to pest pressure and timing of application. Use lower rates under light to moderate infestations and higher rates under heavy insect pressure and for mite control. Arid climates generally require higher rates.

Unless otherwise specified for a specific crop, apply when pest population reaches economic (damaging) threshold and repeat as necessary to maintain control. Thorough coverage is essential to achieve control.

In the **COMMENTS** section of the label for each crop, the application rate when applied by ground and/or air is listed as an amount of spray per acre. In all cases, this refers to finished spray per acre.

MANDATORY SPRAY DRIFT MANAGEMENT

Airblast Applications:

- Sprays must be directed into the canopy.
- Do not apply when wind speeds exceed 15 mph at the application site.
- User must turn off outward pointing nozzles at row ends and when spraying outer row.
- Do not apply during temperature inversions.

Ground Boom Applications:

- User must only apply with the nozzle height recommended by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- Applicators are required to select nozzle and pressure that deliver medium or coarser droplets (ASABE S572).
- Do not apply when wind speeds exceed 15 mph at the application site.
- Do not apply during temperature inversions.

Aerial Applications

- Do not release spray at a height greater than 10 feet above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators are required to select nozzle and pressure that deliver medium or coarser droplets (ASABE S641).
- Do not apply when wind speeds exceed 15 mph at the application site. If the wind speed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters.
- If the windspeed is 10 miles per hour or less, applicators must use ½ swath displacement upwind at the downwind edge of the field. When the windspeed is between 11-15 miles per hour, applicators must use ¾ swath displacement upwind at the downwind edge of the field.
- Do not apply during temperature inversions.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size – Ground Boom

- Volume -Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure -Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle -Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

Controlling Droplet Size – Aircraft

- Adjust Nozzles -Follow nozzle manufacturers recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

BOOM HEIGHT – Ground Boom

- For ground equipment, the boom should remain level with the crop and have minimal bounce.

RELEASE HEIGHT -Aircraft

- Higher release heights increase the potential for spray drift.

SHIELDED SPRAYERS

- Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY

- When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS

- Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. 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. Avoid applications during temperature inversions.

WIND

- Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.
- Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

NON-TARGET ORGANISM ADVISORY STATEMENT (Environmental Hazards):

- This product is highly toxic to bees and other pollinating insects exposed to direct treatment or to residues in/on blooming crops or weeds. Protect pollinating insects by following label directions intended to minimize drift and reduce pesticide risk to these organisms.

BUFFER ZONES

BUFFER ZONES TO WATER BODIES

Ground Application

- Do not apply within 25 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, ponds, estuaries, and commercial fish ponds).

Ultra Low Volume (ULV) Aerial Application

- Do not apply within 450 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, ponds, estuaries, and commercial fish ponds). Applications made by mosquito control districts and other public health officials are exempt from this requirement.

Non-ULV Aerial Application

- Do not apply within 150 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, ponds, estuaries, and commercial fish ponds).

Vegetative Filter Strips

Construct and maintain a vegetative filter strip, according to the width specified below, of grass or other permanent vegetation between the field edge and nearby down gradient aquatic habitat (such as, but not limited to, lakes; reservoirs; rivers; streams; marshes or natural ponds; estuaries; and commercial fish farm ponds).

Only apply products containing (name of pyrethroid) onto fields where a maintained vegetative filter strip of at **least 25 feet** exists between the field edge and where a down gradient aquatic habitat exists. This minimum required width of 25 feet may be reduced or removed under the following conditions: • For Western irrigated agriculture, a maintained vegetative filter strip of at least 10 feet wide is required. Western irrigated agriculture is defined as irrigated farmland in the following states: WA, OR, CA, ID, NV, UT, AZ, MT, WY, CO, NM, and TX (west of I-35).

- For Western irrigated agriculture, if a sediment control basin is present, a vegetative filter strip is not required.

• In all other areas, a vegetative filter strip with a minimum width of 25 feet is required, unless the following conditions are met. The vegetative filter strip requirement may be reduced from 25 feet to 15 feet if at least one of the following applies:

- The area of application is considered prime farmland (as defined in 7 CFR § 657.5).
- Conservation tillage is being implemented on the area of application. Conservation tillage is defined as any system that leaves at least 30% of the soil surface covered by residue after planting. Conservation tillage practices can include mulch-till, no-till, or strip-till.
- A functional terrace system is maintained on the area of application.
- Water and sediment control basins for the area of application are functional and maintained.
- The area of application is less than or equal to 10 acres.

For further guidance on vegetated filter strips, refer to the following publication for information on constructing and maintaining effective buffers: Conservation Buffers to Reduce Pesticide Losses. Natural Resources Conservation Services. https://www.regulations.gov/document?D=EPA-HQ-OPP2008-0331-0175"

In New York State, this product may not be applied within 100 feet (using ground equipment) to 300 feet (using aerial equipment) of coastal marshes or streams that drain into coastal marshes.

NON-TARGET ORGANISM ADVISORY STATEMENT (Environmental Hazards):

- This product is highly toxic to bees and other pollinating insects exposed to direct treatment or to residues in/on blooming crops or weeds. Protect pollinating insects by following label directions intended to minimize drift and reduce pesticide risk to these organisms.

POLLINATOR BEST MANAGEMENT PRACTICES

Following best management practices can help reduce risk to terrestrial pollinators. Examples of best management practices include applying pesticides in the evening and at night when pollinators are not foraging and checking to confirm hive locations before spraying. For additional resources on pollinator best management practices, visit https://www.epa.gov/pollinator-protection/find-bestmanagement-practices-protect-pollinators."

Managed pollinator protection plans are developed by states/tribes to promote communication between growers, landowners, farmers, beekeepers, pesticide users, and other pest management professionals to reduce exposure of bees to pesticides. If available, visit state plans for additional information on how to protect pollinators."

How to Report Bee Kills

It is recommended that users contact both the state lead agency and the U.S. Environmental Protection Agency to report bee kills due to pesticide application. Bee kills can be reported to EPA at beekill@epa.gov. To contact your state lead agency, see the current listing of state pesticide regulatory agencies at the National Pesticide Information Center's website: http://npic.orst.edu/reg/state_agencies.html.

CROPS ARTICHOKE

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Artichoke Plume Moth, Cribrate Weevil	0.10	6.4	**Ground application:** Apply in water in a minimum of 75 gallons per acre as a full cover spray. **Air application:** Apply in water in a minimum of 10 gallons per acre.

- Do not apply more than 0.5 lb. active ingredient (32 ounces formulated) per acre per year.
- Repeat applications if needed to maintain control, but do not make applications less than 15 days apart.
- Preharvest interval 5 days.

BRASSICAS

Head and Stem Brassica Vegetables: Broccoli, Chinese Broccoli (gailon, white flowering broccoli), Brussels sprouts, Cauliflower, Cavalo broccolo, Kohlrabi, Cabbage, Chinese Cabbage (napa), Chinese Mustard Cabbage (gai choy)

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Aphids, Armyworms, Corn Earworm, Crickets, Cucumber Beetle, Cutworms, Diamondback Moth, Flea Beetle, Ground Beetles, Imported Cabbageworm, Leafhoppers, Loopers, Saltmarsh Caterpillar, Stink Bugs, Thrips, Tobacco Budworm, Whitefly, Wireworm (Adults)	0.033-0.10	2.1-6.4	**Ground application:** Apply in water in a minimum of 10 gallons per acre. **Air application:** Apply in water in a minimum of 2 gallons per acre. Emulsified oil may be substituted for water. See section entitled **MIXING INSTRUCTIONS** for details on the amount of oil to use in the spray tank in lieu of water.
Banks Grass Mite, Carmine Mite, *Lygus* spp., Pacific Spider Mite, Twospotted Spider Mite	0.08-0.10	5.12-6.4	

- Do not apply more than 0.5 lb. active ingredient (32 ounces formulated) per acre per year.
- Do not make more than 5 applications after bloom.
- Repeat applications if needed to maintain control, but do not make applications less than 7 days apart.
- Preharvest interval 7 days.

BUSHBERRIES

Blueberry (highbush and lowbush), Currant, Elderberry, Gooseberry, Huckleberry

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Blueberry Maggot, Fruitworms, Plum Curculio, Leaf Rollers, Spanworm, Leafhoppers, Japanese Beetle, Aphids	0.033-0.10	2.1-6.4	**Ground application:** Apply in water in a minimum of 1 gallons per acre. **Air application:** Apply in water in a minimum of 2 gallons per acre.
Twospotted Spider Mite, Carmine Mite, Pacific Spider Mite, *Lygus* spp.	0.08-0.10	5.12-6.4	Do not make applications less than 7 days apart.

- Do not apply more than 0.5 lb active ingredient (32 fluid ounces formulated) per acre per year.
- Preharvest interval 1 day.

CANEBERRIES

Caneberries: Blackberries, Bingleberries, Dewberries, Loganberries, Lowberries, Marionberries, Olallieberries, Raspberries, Youngberries

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Leafrollers, Orange Tortrix, Root Weevils	0.05-0.10	3.2-6.4	**Ground application:** Apply in water in a minimum of 50 gallons per acre.
Spider Mites, Raspberry Crown Borer	0.10	6.4	**Air application:** Apply in water in a minimum of 10 gallons per acre. A total of two applications may be made. Make the first pre-bloom and the second post-bloom.

- Do not apply more than 0.2 lb. active ingredient (12.8 ounces formulated) per acre per year.
- Preharvest interval 3 days.

CANOLA, CRAMBE, RAPESEED

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Aphids, Armyworms, Cutworms, Diamondback Moth, Flea Beetles, Flea Hoppers, Grasshoppers, Loopers, Lygus Bugs, Other Lepidopterous Larvae, Plant Bugs, Seedpod Weevil, Stink Bugs, Thrips, Whitefly	0.033-0.04	2.1-2.6	**Ground application:** Apply in water in a minimum of 10 gallons per acre. **Air application:** Apply in water in a minimum of 2 gallons per acre. Emulsified oil may be substituted for water. See section entitled **MIXING INSTRUCTIONS** for details on the amount of oil to use in the spray tank in lieu of water.

- Do not apply more than 0.08 lb. active ingredient (5.12 ounces formulated) per acre per r year.
- Repeat applications if needed to maintain control, but do not make applications less than 14 days apart.
- Preharvest interval 35 days.

CHRISTMAS TREES

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Root Weevil, Spruce Spider Mite, Balsam twig aphid, Balsam wooly adelgid, Cinara aphid, Elongated hemlock scale	0.06-0.2	3.9-12.8	**Ground application:** Apply in water in a minimum of 20 gallons per acre. **Air application:** Apply in water in a minimum of 5 gallons per acre. Fanfare is generally not phytotoxic to Christmas trees. However, make applications to a small representative group of plants to ensure that a particular variety grown under current conditions is not unusually sensitive to FANFARE II E. Maintain a minimum of 21 days between applications.

- Do not apply more than 0.2 lb. active ingredient (12.8 ounces formulated) per acre per treatment.
- Do not make more than 3 applications in a crop year.
- Do not make aerial application outside CA and WA.
- Do not make applications through irrigation systems.

CILANTRO, CORIANDER

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Aphids, Beet Armyworm, Cabbage Looper, Cutworm, Flea Beetle, Grasshoppers, Leafminer, Saltmarsh Caterpillar, Spotted Cucumber Beetle, Thrips, Whitefly	0.033-0.10	2.1-6.4	**Ground application:** Apply in water in a minimum of 10 gallons per acre. **Air application:** Apply in water in a minimum of 2 gallons per acre. Apply in sufficient water to obtain thorough coverage.
Twospotted Spider Mite	0.08-0.10	5.12-6.4	

- Do not apply more than 0.5 lb. active ingredient (32 ounces formulated) per acre per year.
- Do not make applications less than 7 days apart.
- Preharvest interval 3 days.

CITRUS (group 10-10) (Except Florida)*

Australian desert lime; Australian finger-lime; Australian round lime; Brown River finger lime; calamondin; citron; citrus hybrids; grapefruit; Japanese summer grapefruit; kumquat; lemon; lime; Mediterranean mandarin; mount white lime; New Guinea wild lime; orange, sour; orange, sweet; pummelo; Russell River lime; satsuma mandarin; sweet lime; tachibana orange; Tahiti lime; tangelo; tangerine (mandarin); tangor; trifoliate orange; uniq fruit; cultivars, varieties, and/or hybrids of these.

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Asian Cockroach, Diaprepes Root Weevil (*Diaprepes abbreviatus*), Fire ants	0.25-0.50	16-32	**Ground application:** Apply in water in a minimum of 30 gallons per acre. Use a handgun or shielded sprayer to apply to individual citrus trees if they are not planted in solid rows. Diaprepes root weevil emergence generally occurs in the spring, but weather conditions can prompt a second emergence in the fall. In areas where only a spring emergence is expected, use 32 ounces of FANFARE II E. In areas where a second emergence is expected, use 16 ounces of FANFARE II E in the early season and 16 ounces of FANFARE II E later in the season. If the length of control of FANFARE II E is not sufficient to cover the emergence of the root weevil, use other pest control measures from State Agricultural Extension Specialists or other local experts. *This product must be used in accordance with the directions for use on this label, or exemptions under FIFRA (FIFRA Section 18 exemptions, FIFRA 2(ee) Bulletins).

- Do not apply through irrigation systems.
- Do not allow any application of FANFARE II E to contact fruit or foliage.
- Do not apply more than 0.5 lb. active ingredient (32 ounces formulated) per acre per year.
- Do not apply by air.
- Preharvest interval 1 day.

CITRUS (Group 10-10) (Florida only)

Australian desert lime; Australian finger-lime; Australian round lime; Brown River finger lime; calamondin; citron; citrus hybrids; grapefruit; Japanese summer grapefruit; kumquat; lemon; lime; Mediterranean mandarin; mount white lime; New Guinea wild lime; orange, sour; orange, sweet; pummelo; Russell River lime; satsuma mandarin; sweet lime; tachibana orange; Tahiti lime; tangelo; tangerine (mandarin); tangor; trifoliate orange; uniq fruit; cultivars, varieties, and/or hybrids of these.

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Blue Green Citrus Root Weevil (*Pachnaeus opalus*), Brown Leaf Notcher (*Epicaerus mexicanus)*, Diaprepes Root Weevil (*Diaprepes abbreviatus*), Little Leaf Notcher (*Artipus floridanus)*, Southern Blue Green Citrus Root Weevil (*Pachnaeus Litus)*	0.25-0.50	16-32	**Ground application:** Apply in water in a minimum of 40 gallons per acre. Greater spray volumes increase uniformity of coverage. Also coverage uniformity may be aided by using a pre- and post-irrigation application. Use a handgun or shielded sprayer to apply to individual citrus trees if they are not planted in solid rows. All citrus root weevils have a similar life cycle. They have three immature stages: egg, larva, and pupa. Adult weevils emerge from the soil and lay eggs on host plants above ground, the larvae enter the soil to feed on roots, and the pupae and teneral adult stages are spent below ground. Adults emerge beneath citrus trees throughout the year; it is at this time that FANFARE II E applications should be timed. Peak adult emergence varies within and among species and by region. Peak emergence for the blue-green root weevil is normally April and May. Diaprepes adult emergence from the soil appears to be triggered by the onset of regular rainfall events and can have two emergence peaks, in mid-May to mid-July and/or late-August to mid-October. The second peak is variable and may relate to host plant availability. Little leaf notcher has three generations per year. Although there is considerable overlap of generations, adults appear most abundant in April/May, July/August, and October/November. For best control of emerging root weevils, apply FANFARE II E to the soil beneath the citrus trees from the trunk to the drip line of the tree. FANFARE II E protects citrus tree roots from citrus root weevils by forming a barrier which provides contact activity on neonate larvae when they fall to the ground shortly after hatching from eggs which were oviposited in the citrus tree foliage. Once application is made, be careful not to disturb the treated soil. In areas where only a spring emergence is expected, use 32 ounces of FANFARE II E. In areas where a second emergence is expected, use 16 ounces of FANFARE II E in the early season and 16 ounces of FANFARE II E later in the season. If the length of control of FANFARE II E is not sufficient to cover the emergence of the root weevil, use other pest control measures from State Agricultural Extension Specialists or other local experts.
Asian Cockroach, Fire Ants	0.1-0.25	6.4-16	

- Do not apply through irrigation systems.
- Do not allow any application of FANFARE II E to contact fruit or foliage.
- Do not apply more than 0.5 lb. active ingredient (32 ounces formulated) per acre per year.
- Do not apply by air.
- Preharvest interval 1 day.

CONIFER SEED ORCHARDS
(For Use Only in Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, Oklahoma, South Carolina, Tennessee, Texas, Virginia)

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Cone Worms, Seed Bugs, Seed Worms	0.1-0.2	6.4-12.8	**Ground application:** Apply in water in a minimum of 100-500 gallons per acre. **Air application:** Apply in water in a minimum of 10 gallons per acre or 0.5 gallon refined vegetable oil per acre. Apply in sufficient water to obtain thorough coverage. Begin applications 7 days after peak pollen flight and continue on 30-day intervals up to a maximum of 0.6 lb. active per acre per season.
• Do not make more than six applications per season or apply more than 0.6 lb. active ingredient (38.4 ounces formulated) per acre per year.			

CORN: FIELD CORN (GRAIN AND SILAGE), POPCORN, FIELD CORN GROWN FOR SEED (AT PLANTING)

PEST	DOSAGE		COMMENTS
	LB AI	FL OZ	
Corn Rootworm Larvae (Northern, Southern, Western)	0.0046 pound active per 1000 linear feet of row	0.30 fluid ounces per 1000 linear feet of row	**Ground application:** Apply in water in a minimum of 3 gallons per acre. For use on corn at planting, apply in a 5-inch to 7-inch T-band over the open seed furrow. Center the spray nozzle over the row behind the planter shoe in front of the press wheel. In-furrow pop-up fertilizers may be used alone or in tank mixtures with FANFARE II E. See the section entitled **MIXING INSTRUCTIONS, FANFARE II E with Fertilizer** for additional instructions and precautions when mixing with fertilizers.
Army Cutworm, Cutworm Species, Grubs, Seedcorn Beetle, Seedcorn Maggot, True Armyworm or Armyworm Species, Wireworms	0.0023 to 0.0046 pound active per 1000 linear feet of row	0.15 to 0.30 fluid ounces per 1000 linear feet of row	
• Do not apply to soil where there is greater than 30% cover of crop residue remaining. • Do not graze livestock in treated area or cut treated crops for feed within 30 days of treatment. • Do not apply more than 0.1 lb. active ingredient (6.4 ounces formulated) per acre per year. as an at-planting application. • Preharvest interval 30 days.			

[1] Use this table to determine the FANFARE II E needs per acre.

Row spacings (inches)[1]	40	38	36	30
Fanfare EC (pounds ai per acre)	0.060	0.064	0.069	0.080
Fanfare EC (formulated ounces per acre)	3.9	4.1	4.4	5.12

CORN: FIELD CORN (GRAIN AND SILAGE), POPCORN, FIELD CORN GROWN FOR SEED (PRE & PPI)

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Armyworm spp., Black Cutworm, Seedcorn Maggot, Stalkborer, White Grub, Wireworm	0.047 to 0.062 Pre-Plant Incorporated (PPI)	3 to 4 Pre-plant Incorporated (PPI)	**Ground application:** Apply in water in a minimum of 3 gallons per acre. Use the labeled dosage as a preplant incorporated treatment either alone or in tank mix combination with registered preplant incorporated herbicides. Incorporate FANFARE II E to the intended planting depth, but no deeper than 3 inches. The 3 to 4 oz. rate must be applied as PPI and can be tank mixed and applied with PPI herbicides. The 2.56 oz. rate may be applied PRE and can be tank mixed and applied with PRE herbicides.
Armyworm spp., Black Cutworm, Stalkborer	0.040 Pre-Emergence (PRE)	2.56 Pre-Emergence (PRE)	

CORN: FIELD CORN (GRAIN AND SILAGE), POPCORN, FIELD CORN GROWN FOR SEED (FOLIAR)

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Aphids, Army Cutworm, Beet Armyworm, Cereal Leaf Beetle, Chinch Bug, Common Stalk Borer, Corn Earworm, Corn Rootworm Adult, Cucumber Beetle Adult, Cutworm Species, European Corn Borer, Fall Armyworm, Flea Beetle, Grasshoppers, Greenbug, Japanese Beetle Adult, Sap Beetle, Southern Armyworm, Southern Corn Leaf Beetle, Southwestern Corn Borer, Stink Bugs, Tarnished Plant Bug, True Armyworm or Armyworm Species, Webworms, Western Bean Cutworm, Yellowstriped Armyworm	0.033-0.10	2.1-6.4	**Ground application:** Apply in water in a minimum of 10 gallons per acre, except see specific comment below for TX, NM, OK, and AZ mite control. **Air application:** Apply in water in a minimum of 2 to 5 gallons per acre, except see specific comment below for TX, NM, OK, and AZ mite control. In all states, insect control will be improved by increasing the finished spray per acre to 5 gallons. In Texas, New Mexico, Oklahoma, and Arizona, use a minimum of 10 gallons of water per acre by ground and 5 gallons of water per acre by air when making applications to control mites. Emulsified oil may be substituted for water. See section entitled **MIXING INSTRUCTIONS** for details on the amount of oil to use in the spray tank in lieu of water. Make applications of FANFARE II E as necessary to maintain control being careful not exceed reapplication intervals or maximum dosage rates specified in this section. For pests which attack the ear, apply just before silking. For corn borer control, make application just before or at egg hatch. For mite control, apply when colonies first form prior to leaf damage and before they disperse into the canopy (for Banks Grass Mite, before dispersal into the upper 2/3 of the plant). Use higher labeled rates of FANFARE II E when pest pressure is severe or crop is under stress from drought and/or heat. When these conditions exist, tank mixtures with dimethoate have shown good control.
Banks Grass Mite, Carmine Mite, Twospotted Spider Mite	0.08-0.10	5.12-6.4	

- Do not apply more than 0.3 lb. active ingredient (19.2 ounces formulated) per acre per year. including PRE and PPI, at-planting, plus foliar applications.
- Do not graze livestock in treated areas or cut treated crops for feed within 30 days of the last application.
- Use of ultra low volume (ULV) application on corn is prohibited.
- Do not make aerial or ground applications to corn if heavy rainfall is imminent.
- **Use of FANFARE II E on corn is prohibited in all coastal counties.**
- Preharvest interval 30 days.

CORN: SWEET CORN, SWEET CORN GROWN FOR SEED (AT PLANTING)

PEST	DOSAGE		COMMENTS
	LB AI	FL OZ	
Corn Rootworm Larvae (Northern, Southern, Western)	0.0046 pound active per 1000 linear feet of row	0.30 fluid ounces per 1000 linear feet of row	**Ground application:** Apply in water in a minimum of 3 gallons per acre. For use on corn at planting, apply in a 5- inch to 7-inch T-band over the open seed furrow. Center the spray nozzle over the row behind the planter shoe in front of the press wheel. In-furrow pop-up fertilizers may be used alone or in tank mixtures with FANFARE II E. See the section entitled **MIXING INSTRUCTIONS, FANFARE II E with Fertilizer** for additional instructions and precautions when mixing with fertilizers.
Army Cutworm, Cutworm Species, Grubs, Seedcorn Beetle, Seedcorn Maggot, True Armyworm or Armyworm Species, Wireworms	0.0023 to 0.0046 pound active per 1000 linear feet of row	0.15 to 0.30 fluid ounces per 1000 linear feet of row	

- Do not apply to soil where there is greater than 30% cover of crop residue remaining.
- Do not graze livestock in treated area or cut treated crops for feed within 30 days of treatment.
- Do not apply more than 0.1 lb. active ingredient (6.4 ounces formulated) per acre per season as an at-plant application.
- Preharvest interval 30 days.

Row spacings (inches)[1]	40	38	36	30
FANFARE II E (pounds ai per acre)	0.060	0.064	0.069	0.080
FANFARE II E (formulated ounces per acre)	3.9	4.1	4.4	5.12

[1] Use this table to determine the FANFARE II E needs per acre.

CORN: SWEET CORN, SWEET CORN GROWN FOR SEED (FOLIAR)

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Aphids, Army Cutworm, Beet Armyworm, Cereal Leaf Beetle, Chinch Bug, Common Stalk Borer, Corn Earworm, Corn Rootworm Adult, Cucumber Beetle Adult, Cutworm Species, European Corn Borer, Fall Armyworm, Flea Beetle, Grasshoppers, Greenbugs, Japanese Beetle Adult, Sap Beetle, Southern Armyworm, Southern Corn Leaf Beetle, Southwestern Corn Borer, Stink Bugs, Tarnished Plant Bug, True Armyworm or Armyworm Species, Webworms, Western Bean Cutworm, Yellowstriped Armyworm	0.033-0.10	2.1-6.4	**Ground application:** Apply in water in a minimum of 10 gallons per acre. **Air application:** Apply in water in a minimum of 2 gallons per acre. Emulsified oil may be substituted for water. See section entitled **MIXING INSTRUCTIONS** for details on the amount of oil to use in the spray tank in lieu of water. Make applications of FANFARE II E as necessary to maintain control being careful not to exceed reapplication intervals or maximum dosage rates specified in this section. For pests which attack the ear, apply just before silking. For corn borer control, make application just before or at egg hatch. For mite control, apply when colonies first form prior to leaf damage and before they disperse into the canopy (for Banks Grass Mite, before dispersal into the upper 2/3 of the plant). Use higher labeled rates of FANFARE II E when pest pressure is severe or crop is under stress from drought and/or heat. When these conditions exist, tank mixtures with dimethoate have shown acceptable control.
Banks Grass Mite, Carmine Mite, Twospotted Spider Mite	0.08-0.10	5.12-6.4	

- Do not apply more than 0.2 lb. active ingredient (12.8 ounces formulated) per acre per year.
- Do not graze livestock in treated areas or cut treated crops for feed within 1 day of last application.
- Use of ultra low volume (ULV) application on corn is prohibited.
- Do not make aerial or ground applications to corn if heavy rainfall is imminent.
- **Use of FANFARE II E on corn is prohibited in all coastal counties.**
- Preharvest interval 1 day.

COTTON

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
European Corn Borer, Soybean (Banded) Thrips, Tobacco Thrips	0.02-0.10	1.3-6.4	**Ground application:** Apply in water in a minimum of 5 gallons per acre. **Air application:** Apply in water in a minimum of 1 gallon per acre. Emulsified oil may be substituted for water. See section entitled **MIXING INSTRUCTIONS** for details on the amount of oil to use in the spray tank in lieu of water. **ULV application:** Apply in a minimum of 1 quart per acre using refined vegetable oil with aircraft calibrated to give adequate coverage. Make applications of FANFARE II E as necessary to maintain control being careful not to exceed reapplication intervals or maximum dosage rates specified in this section. **To Control Boll Weevil:** Apply FANFARE II E at 3- to 4-day intervals until pest populations are reduced below economic threshold levels. **To Control Mites and Aphids:** Apply when pests first appear. Repeat as necessary to maintain control without exceeding maximum application rates and reapplication intervals. Use higher labeled rates when an economic threshold has been established.
Boll Weevil, Bollworm, Cabbage Looper, Cotton Aphid, Cotton Fleahopper, Cotton Leafperforator, Cutworms, Fall Armyworm, Plant Bugs, Saltmarsh Caterpillar, Southern Garden Leafhopper, Stink Bugs, Tobacco Budworm, Whitefly, Yellow Striped Armyworm	0.04-0.10	2.6-6.4	
Beet Armyworm, Carmine Spider Mite, Lygus Spp. , Pink Bollworm, Twospotted Spider Mite	0.06-0.10	3.8-6.4	

- Do not apply more than 0.5 lb. active ingredient (32 ounces formulated) per acre per year.
- Do not graze livestock in treated areas or cut treated crops for feed.
- Do not make more than 10 synthetic pyrethroid applications (of one product or combination of products) to a cotton crop in one growing season. Synthetic pyrethroid products include Ambush®, Ammo®, Asana® XL, Baythroid®, Capture®, Danitol®, Karate®, Mustang®, and Scout X-TRA®.
- Preharvest interval 14 days.

CRANBERRY

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Sparganothis fruitworms, cranberry fruitworms, fireworms, spanworms, tip worms, flea beetles, and white grub adults	0.10	6.4	**Ground application:** Apply in water in a minimum of 24 gallons per acre.

- Do not apply more than 0.3 lb. active ingredient (19.2 ounces formulated) per acre per year.
- Do not apply to running water.
- Repeat applications if needed to maintain control, but do not make applications less than 7 days apart.
- Preharvest interval 30 days.

CUCURBITS

Chayote (fruit), Chinese waxgourd (Chinese preserving melon), Citron melon, Cucumber, Gherkin, Edible Gourd [(includes hyotan, cucuzza), *Luffa* spp. (includes hechima, Chinese okra), *Momordica* spp. (includes balsam apple, balsam pear, bitter melon, Chinese cucumber)], Muskmelon (hybrids and/or 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 (*Cucurbita* spp.), Squash, summer (includes crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini), Squash, winter (includes butternut squash, calabaza, hubbard squash (*C. mixta; C. pepo*)(includes acorn squash, spaghetti squash)), Watermelon (includes hybrids and/or varieties of *Citrullus* spp.)

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Aphids, Armyworms, Cabbage Looper, Corn Earworm, Cucumber Beetles, Cutworms, Grasshoppers, Leafhoppers, Melonworms, Pickleworms, Plant Bugs, Rindworms, Squash Bugs, Squash Vine Borer, Stink Bugs, Tobacco Budworm	0.04-0.10	2.6-6.4	**Ground application:** Apply in water in a minimum of 20 gallons per acre. **Air application:** Apply in water in a minimum of 5 gallons per acre. Emulsified oil may be substituted for water. See section entitled **MIXING INSTRUCTIONS** for details on the amount of oil to use in the spray tank in lieu of water.
Banks Grass Mite, Carmine Mite, Lygus spp., Twospotted Spider Mite, Whitefly	0.08-0.10	5.12-6.4	

- Do not apply more than 0.3 lb. active ingredient (19.2 ounces formulated) per acre per year.
- Do not make more than two applications after bloom.
- Repeat applications if needed to maintain control, but do not make applications less than 7 days apart.
- Preharvest interval 3 days.

DRIED BEANS AND PEAS

Dried cultivars of:
Bean (*Lupinus* spp.): Grain Lupin, Sweet Lupin, White Lupin, White Sweet Lupin
Bean (*Phaseolus* spp.): Field bean, Kidney Bean, Lima Bean (dry), Navy Bean, Pinto Bean, Tepary Bean
Bean (*Vigna* spp.): Adzuki Bean, Blackeyed Pea, Catjang, Cowpea, Crowder Pea, Moth Bean, Mung Bean, Rice Bean, Southern Pea, Urd Bean; Broad Bean (dry); Chickpea; Guar; Lablab Bean; Lentil; Pea (*Pisum* spp.), Field Pea; Pigeon Pea

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Banks Grass Mite, Twospotted Spider Mite, Carmine Mite, *Lygus* spp.	0.08-0.10	5.12-6.4	**Ground application:** Apply in water in a minimum of 10 gallons per acre. **Air application:** Apply in water in a minimum of 2 gallons per acre. Emulsified oil may be substituted for water. See section entitled **MIXING INSTRUCTIONS** for details on the amount of oil to use in the spray tank in lieu of water. Thorough coverage is essential to achieve control.
Aster Leafhopper, Flea Beetle, Grasshoppers, Leafhoppers	0.025-0.10	1.6-6.4	
Aphids, Beet Armyworm, Fall Armyworm, Southern Armyworm, Yellowstriped Armyworm, Bean Leaf Beetle, Cucumber Beetles, Japanese Beetle, Adult Sap Beetle, Mexican Bean Beetle, Plant Bug, Stink Bugs, Tarnished Plant Bug, Alfalfa Caterpillar, Cloverworm, European Corn Borer, Cutworms, Western Bean Cutworm, Corn Earworm, Loopers, Corn Rootworm Adults, Thrips, Webworms, Pea Weevil, Pea Leaf Weevil, Whitefly, Imported Cabbageworm, Saltmarsh Caterpillar, Tobacco Budworm, Leafminer Grasshoppers	0.033-0.10	2.1-6.4	

- Do not apply more than 0.2 lb. active ingredient (12.8 ounces formulated) to beans per acre per year.
- Do not make applications less than 7 days apart.
- Preharvest interval 14 days.

FRUITING VEGETABLES (Subgroup 8-10B)

African eggplant; bell pepper; eggplant; Martynia; nonbell pepper; okra; pea eggplant; pepino; roselle; scarlet eggplant; cultivars, varieties, and/or hybrids of these.

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Armyworms (including Beet Armyworm, Fall Armyworm, Southern Yellowstriped Armyworm), Cabbage Loopers, Colorado Potato Beetle, Corn Earworm, Cucumber Beetles, Cutworms, European Corn Borer, Flea Beetles, Leafminers, Loopers, Pepper Weevil, Plant Bugs, Stink Bugs, Thrips, Tomato Hornworm, Tomato Pinworm, Vegetable Leafminer, Whitefly	0.033-0.10	2.1-6.4	**Ground application:** Apply in water in a minimum of 10 gallons per acre. **Air application:** Apply in water in a minimum of 2 gallons per acre. Emulsified oil may be substituted for water. See section entitled **MIXING INSTRUCTIONS** for details on the amount of oil to use in the spray tank in lieu of water.
Banks Grass Mite, Broad Mite, Carmine Mite, Lygus spp., Pacific Spider Mite, Twospotted Spider Mite	0.08-0.10	5.12-6.4	

- To maintain a proper spray interval, do not make applications less than 7 days apart.
- Do not apply more than 0.2 lb. active ingredient (12.8 ounces formulated) per acre per year.
- Preharvest interval 7 days.

TOMATOES, TOMATILLO (Subgroup 8-10A)

Bush tomato; cocona; currant tomato; garden huckleberry; goji berry; groundcherry; naranjilla; sunberry; tomatillo; tomato; tree tomato; cultivars, varieties, and/or hybrids of these.

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Aphids, Armyworms (including Beet Armyworm, Fall Armyworm, Southern Yellowstriped Armyworm), Bean Leaf Beetle, Cabbageworms, Carmine Mite, Cloverworm, Corn Earworm, Corn Rootworm, Cucumber Beetle, Cutworms, Diamondback Moth, European Corn Borer, Flea Beetles, Flea Hoppers, Grasshoppers, Japanese Beetle (Adult), Leafhoppers, Loopers, *Lygus* spp., Melonworms, Pea Weevil, Pea Leaf Weevil, Pickleworms, Plant Bugs, Rindworms, Salt Marsh Caterpillar, Sap Beetle, Seedpod Weevil, Squash Bugs, Stink Bug spp., Tobacco Budworm, Tarnished Plant Bug, Thrips, Whitefly	0.033-0.08	2.1-5.2	**Ground application:** Apply in water in a minimum of 15 gallons per acre. **Air application:** Apply in water in a minimum of 3 gallons per acre.
Twospotted Spider Mite	0.08-0.10	5.12-6.4	

- To maintain a proper spray interval, do not make applications less than 10 days apart.
- Do not make more than 4 applications per year.
- Preharvest interval 1 days.

GRAPES (Subgroup 13-07F)

Amur river grape; gooseberry; grape; kiwifruit, hardy; Maypop; schisandra berry; cultivars varieties, and/or hybrids of these.

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Eastern Grape Leafhopper, Variegated Leafhopper, Western Grape Leafhopper	0.05-0.10	3.2-6.4	**Ground application:** Apply in water in a minimum of 25 gallons per acre. **Air application:** Apply in water in a minimum of 10 gallons per acre. Emulsified oil may be substituted for water. See section entitled **MIXING INSTRUCTIONS** for details on the amount of oil to use in the spray tank in lieu of water. When pest pressure is moderate to severe, use the higher rate.
Black Vine Weevil, Glassywinged Sharpshooter, Twospotted Spider Mite	0.10	6.4	

Do not apply more than 0.1 lb. active ingredient (6.4 ounces formulated) per acre per year.
Preharvest interval 30 days.

HOPS

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Aphids, Armyworms, Cutworms, Leafrollers, Loopers	0.06-0.10	3.8-6.4	**Ground application:** Apply in water in a minimum of 100-150 gallons per acre in early season; 200-250 gallons per acre late season. **Air application:** Apply in water in a minimum of 10 gallons per acre. Make a directed spray up the vine 3 feet and the soil surface 1.5 to 2 feet on either side of the plant to control root weevil.
Root Weevils	0.05-0.10	3.2-6.4	
Twospotted Spider Mite	0.10	6.4	

- Do not apply more than 0.1 lb. active ingredient (6.4 ounces formulated) per acre per application.
- Do not apply more than 0.3 lb. active ingredient (19.2 ounces formulated) per acre per year.
- To maintain a proper spray interval, do not make applications less than 21 days apart.
- The use of ultra low volume (ULV) application on hops is prohibited.
- Preharvest interval 14 days.

LEAFY BRASSICAS AND *TURNIP GREENS

Broccoli Raab, Bok Choy, Kale, Mizuna, Mustard Greens, Mustard Spinach, Rape Greens, Turnip Greens*

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Aphids, Armyworms, Corn Earworm, Crickets, Cucumber Beetles, Cutworms, Diamondback Moth, Flea Beetles, Grasshoppers, Ground Beetles, Imported Cabbageworm, Japanese Beetle (Adult), Leafhoppers, Loopers, Saltmarsh Caterpillar, Stink Bugs, Thrips, Tobacco Budworm, Whitefly, Wireworm (Adults)	0.033-0.10	2.1-6.4	**Ground application:** Apply in water in a minimum of 10 gallons per acre. **Air application:** Apply in water in a minimum of 2 gallons per acre. Emulsified oil may be substituted for water. See section entitled **MIXING INSTRUCTIONS** for details on the amount of oil to use in the spray tank in lieu of water. Thorough coverage is essential to achieve control. * This product must be used in accordance with the directions for use on this label, or exemptions under FIFRA (FIFRA Section 18 exemptions, FIFRA 2(ee) Bulletins).
Banks Grass Mite, Carmine Mite, Lygus spp., Pacific Spider Mite, Twospotted Spider Mite	0.08-0.10	5.12-6.4	

- Do not apply more than 0.40 lb. active ingredient (25.6 ounces formulated) per acre per year.
- Repeat applications if needed to maintain control, but do not make applications less than 7 days apart.
- Preharvest interval 7 days.

LEAFY PETIOLE VEGETABLES

Celery, Cardoon, Chinese Celery, Celtuce, Florence Fennel, Rhubarb, Swiss Chard

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Cutworms, Corn Earworm, Leafhoppers, Flea Beetles, Imported Cabbageworm, Cucumber Beetles, Aphids, Armyworms, Loopers, Stink Bugs, Crickets, Ground Beetles, Thrips, Wireworm Adults, Diamondback Moth	0.033-0.10	2.1-6.4	**Ground application:** Apply in water in a minimum of 10 gallons per acre. **Air application:** Apply in water in a minimum of 2 gallons per acre.
Twospotted Spider Mite, Carmine Mite, Pacific Spider Mite, *Lygus* spp.	0.08-0.10	5.12-6.4	

- Do not apply more than 0.50 lb active ingredient (32 fluid ounces formulated) per acre per year.
- Repeat applications if needed to maintain control, but do not make applications less than 7 days apart.
- Preharvest interval 7 days.

LETTUCE, HEAD

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Aphids, Armyworms, Cabbage Maggot, Corn Earworm, Cucumber Beetles, Cutworms, Diamondback Moth, Flea Beetle, Grasshopper, Imported Cabbageworm, Leafhoppers, Loopers, Salt Marsh Caterpillar, Stink Bug spp., Thrips, Tobacco Budworm, Whitefly	0.033-0.10	2.1-6.4	**Ground application:** Apply in water in a minimum of 15 gallons per acre. **Air application:** Apply in water in a minimum of 5 gallons per acre. Emulsified oil may be substituted for water. See section entitled **MIXING INSTRUCTIONS** for details on the amount of oil to use in the spray tank in lieu of water.
Carmine Mite, Lygus spp., Twospotted Spider Mite	0.08-0.10	5.12-6.4	

- To maintain a proper spray interval, do not make applications less than 7 days apart.
- Do not apply more than 0.5 lb. active ingredient (32 ounces formulated) per acre per year.
- Preharvest interval 7 days.

MAYHAW*

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Plum Curculio	0.08-0.10	5.12-6.4	**Ground application:** Apply in water in a minimum of 28 gallons of finished spray per acre. **Air application:** Apply in water in a minimum of 2 gallons per acre. Apply in sufficient water to obtain uniform coverage as needed.

- Do not apply more than 0.2 pound active ingredient (12.8 ounces formulated) per acre per year.
- To maintain a proper spray interval, do not make applications less than 7 days apart.
- Preharvest interval 7 days.
- *Not registered for use in California unless accompanied by a supplemental label.

PEANUT

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Beet Armyworm, Corn Earworm, Cutworm Species, Fall Armyworm, Grasshoppers, Green Cloverworm, Leafhoppers, Lesser Cornstalk Borer, Loopers, Rednecked Peanut Worm, Southern Armyworm, Southern Corn Rootworm, Stink Bugs, Threecornered Alfalfa Hopper, Velvetbean Caterpillar, Yellowstriped Armyworm	0.033-0.1	2.1-6.4	**Ground application:** Apply in water in a minimum of 10 gallons of finished spray per acre. **Air application:** Apply in water in a minimum of 2 gallons per acre. Apply in sufficient water to obtain uniform coverage as needed.
Aphids, Spider Mites, Thrips, Whitefly	0.06-0.1	5.12-6.4	

- Do not apply more than 0.5 pound active ingredient (32 ounces formulated) per acre per year.
- To maintain a proper spray interval, do not make applications less than 14 days apart.
- Do not feed immature plants and peanut hay to livestock.
- Preharvest interval 14 days.

PEARS

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Aphids, Codling Moth, Cutworms, Green Fruitworm, Leafhoppers, Leafminers, Leafrollers, Lygus spp., Plant bugs, Plum Curculio, San Jose Scale (Crawlers), Stink Bugs, Tarnished Plant Bug	0.04-0.2	2.6-12.8	**Ground application:** Apply in water in a minimum of 200 gallons per acre (dilute) and 50 gallons per acre (concentrate). **Air application:** Apply in water in a minimum of 10 gallons per acre.
Twospotted Spider Mite, Yellow Mite	0.06-0.2	3.8-12.8	
European Red Mite	0.08-0.2	5.12-12.8	

- Do not apply more than 0.5 pound active ingredient (32 ounces formulated) per acre per year. with no more than 0.45 (28.8 ounces formulated) pound active per acre applied after petal fall.
- To maintain a proper spray interval, do not make applications less than 30 days apart.
- Do not graze livestock in treated orchards or cut treated cover crops for feed.
- Preharvest interval 14 days.

ROOT CROPS (except Sugar Beets)

Burdock, edible; Carrot; Celeriac; Chervil, turnip rooted; Chicory; Ginseng; Horseradish; Parsley, turnip rooted; Parsnip; Radish; Radish, Oriental; Rutabaga; Salsify; Salsify, Black; Salsify, Spanish; Skirret; Turnip

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Aphids, Beet Armyworm, Celery Leaftier, Corn Earworm, Cross-striped Cabbageworm, Cutworm Species, Diamondback Moth, European Corn Borer, Fall Armyworm, Fire Ants, Fleabeetles, Green Cloverworm, Hornworms, Imported Cabbageworm, Loopers, Southern Armyworm, Spider Mites, Tobacco Budworm, Velvetbean Caterpillar, Whitefly, Yellowstriped Armyworm	0.08-0.10	5.12-6.4	**Ground application:** Apply in water in a minimum of 25 gallons of finished spray per acre. **Air application:** Apply in water in a minimum of 2 gallons per acre. Apply in sufficient water to obtain uniform coverage as needed.
• Do not apply more than 0.5 pound active ingredient (32 ounces formulated) per acre per year. • To maintain a proper spray interval, do not make applications less than 7 days apart. • Preharvest interval 21 days.			

GARDEN BEET

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Aphids, Fire Ants, Fleabeetles, Lepidopterous Larvae, Spider Mites, Whitefly	0.08-0.10	5.12-6.4	**Ground application:** Apply in water in a minimum of 25 gallons of finished spray per acre. **Air application:** Apply in water in a minimum of 2 gallons per acre. Apply in sufficient water to obtain uniform coverage as needed.
• Do not apply more than 0.40 pound active ingredient (25.6 ounces formulated) per acre per year. • To maintain a proper spray interval, do not make applications less than 7 days apart. • Preharvest interval 1 day.			

SOYBEANS

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Alfalfa Caterpillar, Aphids, Aster Leafhopper, Bean Leaf Beetle, Blister Beetle Species, Beet Armyworm*, Cloverworm, Corn Earworm, Corn Rootworm Adult, Cucumber Beetles, Cutworms, Cowpea Curculio, Cucumber Beetle Adult, Dectes Stem Borer, European Corn Borer, False Chinch Bug, Fall Armyworm, Flea Beetle, Grasshoppers, Green Cloverworm, Hornworm, Imported Cabbageworm, Japanese Beetle Adult, Leafhoppers, Leafminers, Loopers, Leaf Skeletonizer Species, Lesser Cornstalk Borer, Mexican Bean Beetle Adult, Painted Lady (Thistle) Caterpillar, Pea Leaf Weevil, Pea Weevil, Plant Bug, Saltmarsh Caterpillar, Silverspotted Skipper, Seedcorn Maggot Adult, Spittlebug, Sap Beetle, Southern Armyworm, Soybean Aphid , Stink Bugs, Tarnished Plant Bug, Three-Cornered Alfalfa Hopper, Thrips, Tobacco Budworm*, Velvetbean Caterpillar, Webworms, Western Bean Cutworm, Whitefly, Woollybear Caterpillar, Yellowstriped Armyworm	0.033-0.10	2.1-6.4	**Ground application:** Apply in water in a minimum of 10 gallons per acre. **Air application:** Apply in water in a minimum of 2 gallons per acre. *Pyrethroid resistance is common for Beet Armyworm and Tobacco Budworm. Consult your local extension specialist, certified crop advisor, and/or manufacturer for insecticide resistance management and/or IPM guidance for the specific site and resistant pest problems.
Lygus spp., Whitefly, Twospotted Spider Mite	0.08-0.10	5.12-6.4	

- To maintain a proper spray interval, do not make applications less than 30 days apart.
- Do not apply more than 0.3 lb. active ingredient (12.8 ounces formulated) per acre per year.
- Preharvest interval 18 days.

SPINACH

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Armyworms, Colorado Potato Beetle, Corn Earworm, Cucumber Beetles, Cutworms, European Corn Borer, Flea Beetles, Leafminers, Loopers, Pepper Weevil, Thrips, Tomato Hornworm, Tomato Pinworm, Whitefly	0.033-0.10	2.1-6.4	**Ground application:** Apply in water in a minimum of 10 gallons per acre. **Air application:** Apply in water in a minimum of 5 gallons per acre. For whitefly and fire ant control either at planting or as a foliar treatment, apply up to 6.4 oz. (0.1 lb. active) per acre being careful not to exceed reapplication intervals or maximum dosage rates specified in this section.
Banks Grass Mite, Broad Mite, Carmine Mite, Fire Ants, Lygus spp., Pacific Spider Mite, Twospotted Spider Mite	0.08-0.10	5.12-6.4	

- To maintain a proper spray interval, do not make applications less than 7 days apart.
- Do not apply more than 0.4 lb. active ingredient (25.6 ounces formulated) per acre per year.
- Preharvest interval 40 days.

STRAWBERRIES (Subgroup 13-07G)

Bearberry; bilberry; blueberry, lowbush; cloudberry; cranberry; lingonberry; muntries; partridgeberry; strawberry; cultivars, varieties, and/or hybrids of these.

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Aphids, Armyworms, Fleabeetles Hehothis spp, Leafrollers, Lygus spp Plant Bugs, Spittlebugs, Stink Bugs Strawberry Clipper, Strawberry Sap Beetle	0.04-0.2	2.56-12.8	Apply when pest populations reach damaging thresholds and repeat as necessary at 7-14 day intervals. **Ground Application:** Apply a full cover spray in a minimum of 50 gallons of finished spray per acre **Air Application:** (Aerial application is prohibited in Florida) Apply specified dosage in a minimum of 5 gallons per acre.
Strawberry Root Weevil Black Vine Weevil	0.05-0.2	3.2-12.8	
Spider mites	0.1-0.2	6.4-12.8	

- Do not apply more than 0.5 lb. active ingredient (32 ounces formulated) per acre per year.
- No preharvest interval is required.

CALIFORNIA SPECIFIC REQUIREMENTS FOR STRAWBERRY HARVESTERS: Harvesters and other personnel performing tasks with all day foliage contact in treated fields within five (5) days of application must wear a long sleeved shirt, long pants, and shoes plus socks.

Following treatment of strawberry fields at rates of FANFARE II E greater than 0.1 lb ai/acre harvesters must wear gloves for five (5) days following application.

SUCCULENT PEAS AND BEANS

Pea (*Pisum* spp.): Dwarf pea, Edible-pod pea, English pea, Garden pea, Green pea, Snow pea, Sugar snap pea, Pigeon pea
Bean (*Phaseolus* spp.): Broadbean (succulent), Lima bean (green), Runner bean, Snap bean, Wax bean
Bean (*Vigna* spp.): Asparagus bean, Blackeyed pea, Chinese longbean, Cowpea, Moth bean, Southern pea, Yardlong bean, Jackbean, Soybean (immature seed), Sword bean

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Aster Leafhopper, Flea Beetle, Grasshoppers, Leafhoppers	0.025-0.10	1.6-6.4	**Ground application:** Apply in water in a minimum of 10 gallons per acre. **Air application:** Apply in water in a minimum of 2 gallons per acre. Emulsified oil may be substituted for water. See section entitled **MIXING INSTRUCTIONS** for details on amount of oil to use in the spray tank.
Alfalfa Caterpillar, Aphids, Bean Leaf Beetle, Beet Armyworm, Cloverworm, Corn Earworm, Corn Rootworm Adult, Cucumber Beetle, Cutworms, European Corn Borer, Fall Armyworm, Imported Cabbageworm, Japanese Beetle Adult, Loopers, Leafminers, Mexican Bean Beetle, Pea Leaf Weevil, Pea Weevil, Plant Bugs, Salt Marsh Catipillar, Sap Beetle, Southern Armyworm, Stink Bugs, Tarnished Plant Bug, Thrips, Tobacco Budworm, Webworms, Western Bean Cutworm, Whitefly, Yellowstriped Armyworm	0.033-0.10	2.1-6.4	
Banks Grass Mite, Carmine Mite, Lygus spp., Twospotted Spider Mite	0.08-0.10	5.12-6.4	

- Do not apply more than 0.2 lb. active ingredient (12.8 ounces formulated) per acre per year.
- Preharvest interval 3 days.

TOBACCO

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Armyworm spp., Cutworm spp., Mole Crickets, Stalkborers, Tobacco Flea Beetle (larvae), White Grubs, Wireworms	0.0625-0.10	4.0-6.4	**Pre-transplant soil applications:** Apply 0.0625-0.1 lb. active ingredient per acre in a minimum of 10 gallons per acre to control soil pests. Use of suitable equipment to incorporate into top 4" of the soil is required to control below-ground pests. **At-transplant water treatment application:** Apply 0.0625-0.1 lb. active ingredient per acre in a water treatment application volume of the 10-200 gallons per acre. May be tank mixed with Command®, Spartan®, and other herbicides approved for tobacco use.
Aphid spp., Armyworm spp., Chinch Bugs, Cutworm spp., Flea Beetle (Adults), Grasshoppers, Green Bugs, Japanese Beetles, Stink Bugs, Tarnished Plant Bugs, Thrips, Whiteflies, Tobacco Budworm, Tobacco Hornworm, Saltmarsh Caterpillar, Cucumber Beetle	0.04-0.10	2.56-6.4	**Foliar applications:** Apply 0.04-0.10 lb. active ingredient per acre foliar application up to and including layby in a minimum of 10 gallons per acre. May be tank mixed with Command, Spartan, and other herbicides approved for tobacco use.
Lygus spp., Spider mites	0.1	6.4	

- For foliar applications, do not make more than 2 applications per season.
- For all applications, do not apply more than 0.2 lb. active ingredient (12.8 ounces formulated) per acre per year.
- Do not apply later than layby.

TREE NUTS CROPS (Group 14-12)

African nut-tree; Almond; Beechnut; Brazil nut; Brazilian pine; Bunya; Bur oak; Butternut; Cajou nut; Candlenut; Cashew; Chestnut; Chinquapin; Coconut; Coquito nut; Dika nut; Ginkgo; Guiana chestnut; Hazelnut (Filbert); Heartnut; Hickory nut; Japanese horse-chestnut; Macadamia nut; Mongongo nut; Monkey-pot; Monkey puzzle nut; Okari nut; Pachira nut; Peach palm nut; Pecan; Pequi; Pili nut; Pine nut; Pistachio; Sapucaia nut; Tropical almond; Walnut, black; Walnut, English; Yellowhorn; Cultivars, varieties, and/or hybrids of these.

PEST	DOSAGE		REMARKS
	LB AI/A	FL OZ/A	
Black Pecan Aphid, Codling Moth, Filbert Worm, Hickory Shuckworm, Leaffooted Bugs, Navel Orangeworm, Oblique Banded Leafroller, Peach Twig Borer, Pecan Leaf Casebearer, Pecan Nut Casebearer, Pecan Phylloxera, Plant Bugs, Stink Bugs, Walnut Aphid, Yellow Pecan Aphid	0.05-0.20	3.2-12.8	**Application by ground**: Apply as a dilute (minimum of 200 gallons of finished spray per acre) or concentrate (minimum of 50 gallons of finished spray per acre) spray in sufficient water to provide thorough coverage. **Application by air:** Apply the specified dosage in a minimum of 10 gallons of finished spray per acre.
European Red Mite, Spider Mites	0.08-0.20	5.1-12.8	
Fire Ants, Walnut Husk Fly	0.1-0.20	6.4-12.8	

- Minimum spray intervals: Apply FANFARE II E as needed to maintain control, but not apply at intervals sooner than 15 days.
- Observe a 21-day Pre-Harvest Interval (PHI) for Pecans and a 7-day Pre-Harvest Interval (PHI) for all other registered tree nut crops.
- Do not exceed 0.2 lb ai per acre per application; do not exceed 0.50 lb ai per acre per year.
- Do not graze livestock in treated orchards or cut treated cover crops for feed.
- Do not apply within 21 days of harvest for pecans and 7 days for all other registered tree nut crops.

TUBEROUS AND CORM VEGETABLES

Arracacha; Arrowroot; Chinese Artichoke; Jerusalem Artichoke; Edible Canna; Cassava (bitter and sweet); Chayote (root); Chufa; Dasheen (taro); Ginger; Leren; Potato; Sweet Potato; Tanier; Turmeric; Yam Bean; True Yam

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Corn Wireworm, Tobacco Wireworm	0.30 (at-plant)	19.2 (at-plant)	**In-furrow planting time treatment**: FANFARE II E may be applied as an in-furrow planting time treatment for the control of wireworms, rootworms, and white grubs. Apply FANFARE II E at the rate of 0.3 lb. active ingredient per acre as an in-furrow spray or T-band spray at planting time. **Lay-by treatment:** FANFARE II E may be applied as a lay-by treatment for the control of wireworms, rootworms and white grubs. Apply FANFARE II E to the drill area and cover with soil utilizing cultivation equipment set to throw soil to the drill area. Apply FANFARE II E as a banded spray over the row at a rate of 0.05-0.15 lb. active ingredient per acre (3.2 to 9.6 ounces formulated) in 10 gallons per acre of spray. **Foliar spray:** FANFARE II E may be applied as a foliar spray for the control of the adult life stages of flea beetles, click beetles (wireworms), cucumber beetles (rootworms), whitefringed beetles, and May/June beetles (white grubs). Apply FANFARE II E at the rate of 0.033 to 0.10 lb. active ingredient per acre (2.1 to 6.4 ounces formulated) in 10 gallons of spray by ground and 3 gallons of spray by air.
Southern Potato Wireworm, Japanese Beetle Grubs, June Beetle	0.05-0.15 (lay-by)	3.2-9.6 (lay-by)	
Sweetpotato Flea Beetle, Cucumber Beetle, Sweetpotato Weevil, Banded Cucumber Beetle, Black Flea Beetle, Whitefringed Beetle, White Grub, Sugarcane Beetle, Rootworms	0.033-0.10 (foliar)	2.1-6.4 (foliar)	

- For foliar applications, do not make more than 2 foliar applications per year. and do not make application less than 21 days apart.
- Do not apply more than 0.5 lb. active ingredient (32 ounces formulated) per acre per year., including soil applications.
- Preharvest interval 21 days.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: DO NOT ALLOW PRODUCT TO FREEZE. Do not store below 40° F. If crystals are observed, warm material to above 60° F by placing container in warm location. Shake or roll container periodically to redissolve solids. Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

CONTAINER HANDLING:

Nonrefillable Container (five gallons or less): 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. If recycling is not available, puncture or dispose of in a sanitary landfill or incineration or if allowed by state and local authorities, by burning. If burned stay out of smoke.

Nonrefillable Container (greater than five gallons): 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. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. If recycling is not available, puncture or dispose of in a sanitary landfill or incineration or if allowed by state and local authorities, by burning. If burned stay out of smoke.

Refillable Container (greater than 55 gallons): Refillable container. Refill this container with bifenthrin only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. For final disposal, offer for recycling or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

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**.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of ADAMA. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, ADAMA makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of ADAMA is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, ADAMA disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at ADAMA's election, the replacement of product.

66222-261-FANFARE® II E- Notf-pending-02272021-10212021

RESTRICTED USE PESTICIDE
TOXIC TO FISH AND AQUATIC ORGANISMS
For retail sale to and use only by certified applicators or persons under their direct supervision and only for the uses covered by the certified applicator's certification

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FANFARE® II E
INSECTICIDE/MITICIDE
Use on Cranberry
Supplemental Labeling

This label expires on 12/31/2024 and must be not be distributed or used after that date.

Read the entire label for Fanfare® II E Insecticide/Miticide before proceeding with the use directions in this supplemental labeling.

ACTIVE INGREDIENT:	**% BY WT.**
Bifenthrin: (2 methyl[1,1'-biphenyl]-3-yl)methyl 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethyl-cyclopropanecarboxylate*	24.0%
OTHER INGREDIENTS:**	76.0%
TOTAL	100.0%

*Cis isomers 97% minimum, trans isomers 3% maximum.
**Contains petroleum distillates.
This product contains 2 pounds active ingredient per gallon.

EPA Reg. No. 66222-261

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).

DIRECTIONS FOR USE

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

This supplemental label must be in the possession of the user at the time of the application.

Read the label affixed to the container for Fanfare® 2EC Insecticide/Miticide before applying.

Use of Fanfare® II E Insecticide/Miticide according to this labeling is subject to the use precautions and limitations imposed by the labeling affixed to the container for Fanfare® 2EC Insecticide/Miticide.

CRANBERRY

PEST	DOSAGE		COMMENTS
	LB AI/A	FL OZ/A	
Sparganothis fruitworms, cranberry fruitworms, fireworms, spanworms, tip worms, flea beetles, and white grub adults	0.10	6.4	**Ground application:** Apply in water in a minimum of 24 gallons per acre.

- Do not apply more than 0.3 lb. active ingredient (19.2 ounces formulated) per acre per year.
- Do not apply to running water.
- Repeat applications if needed to maintain control, but do not make applications less than 7 days apart.
- Preharvest interval 30 days.

Read the "**LIMITATION OF WARRANTY AND LIABILITY"** in the label booklet for Fanfare® II E Insecticide/Miticide before using.

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