

279-3440

12/6/2011

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460

EPA Reg. Number:
279-3440

Date of Issuance:
DEC 6 2011

Term of Issuance:
Unconditional

Name of Pesticide Product:
F9210-1 Insecticide

NOTICE OF PESTICIDE:

Registration
 Reregistration

(Under FIFRA as amended)

Name and Address of Registrant (include ZIP Code):

FMC Corporation
1735 Market Street
Philadelphia, PA 19103

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is **unconditionally** registered in accordance with FIFRA sec. 3(c)(5). Once a pesticide is registered, however, it is not regarded as permanently acceptable. Registration does not eliminate the need for continual reassessment of pesticides. If the Agency determines that, at any time, additional data are required to maintain in effect an existing registration, the Agency will require submission of such data under FIFRA section (3).

1. You will make the following label changes before you release the product for shipment:

- a) Revise the EPA Registration Number to read "EPA Reg. No. 279-3440."
- b) On page 4, under *Application Instructions*, replace "Use in enclosed structures, such as , greenhouses or planhouses, is not permitted" with "Use in enclosed structures, including greenhouses or planhouses, is not permitted" .
- c) On pages 5 and 6, on the *Maximum Foliar Usage* table replace "unless specified within a crop specific recommended applications section for a given crop" with "unless specified within a crop specific applications section for a given crop".
- d) Delete "cultivars, varieties, and/or hybrids of these" from the use on *Peppers, Eggplant, Orka, Tomato, Caneberries, and Citrus* sections. These terms imply a greater range of use then registered.
- e) On page 18, replace "(For recommended applications on Potato see Field Crops section)" with "(For applications on Potato see Field Crops section)".

Signature of Approving Official:

Richard Gebken
Richard Gebken Product Manager
Insecticide Branch/Registration Division (7505P)

Date:

December 6, 2011

Enclosure

2. Within one year from the date of this notice submit the results of studies for the guidelines: 830.6317 (storage stability) and 830.6320 (corrosion characteristics) studies. Make observations at 0, 3, 6, 9, and 12 months intervals.
3. Please submit three (3) copies of your final printed labeling before releasing the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing amended labeling constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

If you have any questions regarding this action, please contact BeWanda Alexander at www.alexander.bewanda@epa.gov or (703) 305-7460.

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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 those uses covered by the certified applicator's certificate.

F9210-1 INSECTICIDE

EPA Reg. No. 279-xxxx

EPA Est.

Active Ingredients:	By Wt.
Zeta-Cypermethrin*	2.70%
Bifenthrin**	7.87%
Imidacloprid.....	13.83%
Other Ingredients***:	75.60%
	100.0%

F9210-1 SE contains 2.25 pounds active ingredients per gallon.
* *Cis/trans* isomer ratio: Max 75% (±) *cis* and Min. 25% (±) *trans*
** *Cis* isomers 97% minimum; *trans* isomers 3% maximum.
*** Contains Petroleum Distillates

U.S. Patent No. Pending

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.)

ACCEPTED
with COMMENTS
In EPA Letter Dated
DEC 6 2011
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
279-3440

FMC
FMC Corporation
Agricultural Products Group
1735 Market Street
Philadelphia, PA 19103

Net Contents

FIRST AID	
IF SWALLOWED	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. • Call a poison control center for treatment advice.
IF ON SKIN	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center for treatment advice.
NOTE TO PHYSICIAN	
<p>Contains petroleum distillates. Vomiting may cause aspiration pneumonia. This product contains 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 so should be avoided.</p>	
HOTLINE NUMBER	
<p>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-(800)-331-3148 for Emergency Assistance</p>	

PRECAUTIONARY STATEMENTS

Hazards to Humans (and Domestic Animals)

Warning

May be fatal if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment:

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

Handlers who may be exposed to the dilute through application or other tasks must wear: Long-sleeved shirt and long pants, chemical resistant gloves such as Barrier Laminate; or Butyl, Nitrile, or Neoprene Rubber \geq 14 mls; or Viton \geq 14 mls, and 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 such as Barrier Laminate; or Butyl, Nitrile, or Neoprene Rubber \geq 14 mls; or Viton \geq 14 mls, and shoes plus socks and protective eyewear.

User Safety Requirements

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. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

User Safety Recommendations

Wash thoroughly with soap and water after handling. 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. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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, such as Barrier Laminate or Nitrile Rubber or Neoprene Rubber or Viton, and Shoes plus socks.

Engineering Control Statements

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (540CFR 170.240(d)(4-6), the handler PPE requirements may be reduced or modified as specified in the WPS.

Environmental Hazards

This pesticide is extremely toxic to fish, aquatic invertebrates, oysters and shrimp. 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 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.

The use of F9210-1 Insecticide is prohibited in areas where its application may result in exposure to endangered species. Prior to use in a particular county contact the local extension service for procedures and precautions to use to protect endangered species.

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 if bees are visiting the treatment area.

The chemical imidacloprid demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

Resistance Management

Some insects are known to develop resistance to products with the same chemical class used repeatedly for control. F9210-1 contains Group 3 and Group 4A insecticides. Although pest resistance can not be predicted, a general rule to reduce the onset of resistance in pest species to F9210-1 is not to consecutively and repeatedly apply Group 3 and/or Group 4A insecticides during a growing season for control of a particular pest target. Consult your local or state agricultural authorities or your FMC representative for more specific details on insect resistance management strategies. If resistance does occur use another chemistry class that is registered for the pest and crop.

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.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed, or other pesticides or fertilizers by storage and disposal.

Pesticide Storage

Do not freeze. Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers. In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call CHEMTREC (Transportation and Spills): (800) 424-9300.

To confine spill: Dike surrounding area or absorb with sand, cat litter, or commercial clay. Place damaged package in a holding container. Identify contents.

Pesticide Disposal

Pesticide wastes may be hazardous. 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. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows:

For containers equal to 5 gallons or less: 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 containers greater than 5 gallons: 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. Then offer for recycling if available or reconditioning if appropriate, or puncture and 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/Returnable Container.

Refill this container with pesticide 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% 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. Then offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

APPLICATION INSTRUCTIONS

Use in enclosed structures, such as, greenhouses or planthouses, is not permitted.

F9210-1 is a suspoemulsion formulation containing three active ingredients from insecticide classes 3 and 4A. F9210-1 can be applied by air, ground or through chemigation equipment as a directed or broadcast foliar spray or unless otherwise noted in supplemental labeling or in specific crop sections in this label. As well as, F9210-1 may be applied before or after planting for control of cutworm, armyworm or stalkborer. Spray gallonage minimum amounts for each crop are listed in each specific crop section for aerial and ground applications. Chemigation instructions are found in the chemigation section of this label. In general, use lower rates under light and moderate infestations. Higher rates should be used under heavy crop canopy or insect pressure. The rate of application is variable according to insect pressure, timing of spray, plant foliage and field scouting. Thorough coverage of foliage is necessary without runoff for optimum insecticidal efficacy.

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.

As with any insecticide, care should be taken to minimize exposure of F9210-1 to honey bees and other pollinators. Use of F9210-1 on crops requiring bee pollination should be avoided during bloom and a minimum of 10 days prior to bloom. Additional information on F9210-1 uses for these crops and other questions may be obtained from the Cooperative Extension Service, PCAs, consultants or local FMC representatives.

Chemigation Use Directions

Apply this product only through overhead sprinkler system 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 any 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. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers, or other experts. 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. 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 also 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 that 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. F9210-1 should be applied continuously for the duration of the water application. F9210-1 should be diluted in sufficient volume to insure accurate application over the area to be treated. Use the appropriate amount of water to carry the product to the target pest. Agitation is not required when a suitable diluent is used. **Chemigation of F9210-1 in water volumes exceeding 0.10 inches/Acre are not recommended.**

Tank-Mixture

F9210-1 may be applied in tank mixtures with other products approved for use on crops on this label. Test for compatibility of products before mixing.

Rotational Crops

Crops on this label or which imidacloprid, bifenthrin, and zeta-cypermethrin tolerances exist may be rotated immediately. All other crops, except cereals (including buckwheat, millet, oats, rice, rye and triticale), onion and bulb vegetables maybe rotated 12 months after the final application of F9210-1. Cereals, including buckwheat, millet, oats, rice, rye and triticale, maybe rotated 30 days and onion and bulb vegetables maybe be rotated 10 months after the final application of F9210-1.

Maximum Foliar Usage (unless otherwise noted) When Applying Bifenthrin and Imidacloprid Products to the Same Crop Within the Same Season.

Do not apply more than 0.5 lb of imidacloprid per acre, per crop season, regardless of formulation or method of application, unless specified within a crop specific recommended applications section for a given crop.

Crop	Maximum Seasonal Total (lbs ai/acre)					
	Bifenthrin		Imidacloprid ¹		When Applying Bifenthrin Products Plus F9210-1 to the Same Crop	When Applying Imidacloprid Products Plus F9210-1 to the Same Crop ¹
	F9210-1	Bifenthrin	F9210-1	Imidacloprid		
Bushberries	0.180	0.500	0.300	0.300	0.500	0.300
Caneberries	0.060	0.200	0.101	0.300	0.200	0.300
Citrus	0.150	0.500	0.250	0.5	0.500	0.500
Cotton	0.180	0.5 US /0.3 CA	0.300	0.310	0.500	0.310
Dried and Succulent Peas and Beans	0.077	0.2 / 0.3	0.128	0.130	0.2 / 0.3	0.130
Eggplant, okra, pepper	0.143	0.200	0.239	0.240	0.200	0.240
Field Corn (at plant)	0.198	0.100	0.330	0.100	0.100	0.100
Field Corn (foliar, PRE, PPI uses)	0.210	0.300	0.350	0.300	0.300	0.300
Grape	0.060	0.100	0.100	0.100	0.100	0.100
Brassica (Cole) Leafy Vegetables	0.143	0.500	0.239	0.240	0.500	0.240
Head Lettuce	0.143	0.500	0.239	0.240	0.500	0.240
Peanut	0.077	0.500	0.128	0.130	0.500	0.130

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Potato	0.120	0.2 (foliar) 0.5 (soil + foliar)	0.200	0.2	0.2 (foliar) 0.5 (soil + foliar)	0.200
Root and Tuber	0.079 (except radish 0.027)	0.50 (foliar + soil applic.)	0.13 (except radish 0.044)	0.13 (except radish 0.044)	0.50 (foliar + soil applic.)	0.130
Soybean	0.143	0.300	0.239	0.300	0.300	0.300
Sweet Corn	Sweet Corn	0.2	0.2	0.12	0.200	0.200
Sweet Corn (at-plant)	Sweet Corn (at-plant)	0.111	0.2	0.2	0.067	0.2
Tomato	0.143	0.320	0.239	0.240	0.320	0.240
Tree Nuts	0.213	0.500	0.356	0.360	0.500	0.360

¹Maximum seasonal totals of imidacloprid for foliar applications only, unless otherwise note. Do not apply more than 0.5 lb of imidacloprid per acre, per crop season, regardless of formulation or method of application, unless specified within a crop specific recommended applications section for a given crop.

Maximum Usage When Applying Zeta-Cypermethrin and Cypermethrin Products to the Same Crop Within the Same Season.

Do not apply more than the maximum seasonal total for either zeta-cypermethrin or cypermethrin products when used alone; do not apply more than the combined maximum seasonal total for both products as outlined in the table below.

Crop	Maximum Seasonal Total (lbs ai/acre)			Cypermethrin ²	Maximum Seasonal Total (lbs ai/acre) When Applying Cypermethrin and Zetacypermethrin Products to the Same Crop	Maximum Seasonal Total (lbs ai/acre) When Applying Zeta-cypermethrin Products to the Same Crop
	Zeta-cypermethrin ¹				Zeta-cypermethrin ¹ plus Cypermethrin ²	Zeta-cypermethrin ¹
	F9210-1	Mustang	Mustang Max			
Bushberries	0.060	0.15	0.3	NA	NA	0.15
Caneberries	0.020	0.15	0.3	NA	NA	0.15
Citrus	0.050	0.10	0.1	NA	NA	NA
Cotton	0.060	0.3	0.15	0.6	0.6	0.3
Dried and Succulent Peas and Beans	0.026	0.3	0.15	NA	NA	0.3
Eggplant, okra, pepper	0.048	0.3	0.15	NA	NA	0.3
Field Corn (at plant)	0.066	0.2	0.1	NA	NA	0.2
Field Corn (foliar, PRE, PPI uses)	0.070	0.2	0.10	NA	NA	0.2
Grape	0.020	0.15	0.3	NA	NA	0.15
Brassica (Cole) Leafy Vegetables	0.048	0.3	0.15	0.6	0.6	0.3
Head Lettuce	0.048	0.3	0.15	0.6	0.6	0.3
Peanut	0.026	0.3	0.15	NA	NA	0.2
Potato	0.040	0.3	0.15	NA	NA	0.3
Root and Tuber	0.027	0.3	0.15	NA	NA	0.3
Soybean	0.048	0.3	0.15	NA	NA	0.3
Sweet Corn	0.000	0.3	0.15	NA	NA	0.3
Sweet Corn (at plant)	0.000	0.2	0.1	NA	NA	0.2
Tomato	0.048	0.3	0.15	NA	NA	0.3
Treenuts	0.071	0.3	0.15	0.6	0.6	0.3

¹ Mustang or Fury (1.5 EW or 1.5 EC); Mustang Max (0.8 EC or 0.8 EW); HERO; or any zeta-cypermethrin product approved for crop use.

² Any cypermethrin product approved for crop use.

NA = Not Applicable.

FIELD CROPS

Field Corn (Grain And Silage), Popcorn, Field Corn Grown For Seed (At-plant)

Pest Controlled	Rate of Application			
	FLOZ / 1000 linear ft of row		Pounds ai / 1000 linear ft of row	
Army cutworm Cutworms Grubs Seed corn beetle Seed corn maggot True armyworm or Armyworms Wireworm	0.64		0.01148	
Row Spacing (inches)	40	38	36	30
F9210-1 (lb ai/A)	0.147	0.155	0.163	0.20
F9210-1 (formulated fl oz/A)	8.4	8.8	9.3	11.4

Apply as a 5 to 7 inch T-band treatment over an open seed furrow. Position the spray nozzle behind the planter shoe, in front of the press wheel centered over the row. Use the table below to determine this product's needs per acre.

Apply in a minimum of 3 gals. of finished spray per acre.

Mix this product with water or fertilizer in the following manner: Fill the spray tank approximately one-half full with water or liquid fertilizer, add the proper amount of this product, then add the rest of the water or fertilizer. Provide sufficient agitation during mixing and application to maintain a uniform spray mixture.

Applications of this product alone or in recommended tank mixtures, in conjunction with in-furrow pop-up fertilizers may be used.

A jar compatibility test should be performed with appropriate ratio of this product and fertilizer to ensure mixture will stay in solution.

Constant agitation should be maintained during mixing and application.

Do not apply to soil where there is greater than 30% cover of crop residue remaining.

Do not apply within 30 days of harvest

Do not graze livestock in treated area or cut treated crops for feed within 30 days of treatment.

Do not apply more than 0.2 lb ai/A per season as an at plant application.

Field Corn (Grain And Silage), Popcorn, Field Corn Grown For Seed (PRE and PPI use)

Pest Controlled	Rate of Application
Pre-Plant Incorporated (PPI) ¹	
Black cutworm White grub Wireworm Seedcorn maggot Armyworms Stalkborer	4.8 - 6.25 fl oz /A (0.085 - 0.11 lb ai/A)
Pre-Emergence (PRE) ²	
Black cutworm Armyworms Stalkborer	4.0 fl oz/A (0.072 lb ai/A)

Restrictions

PHI: 30 days for grain and stover and 60 days for forage

Minimum application interval: 7 days

Maximum amount of F9210-1 allowed per crop season: 30.7 Fl oz/A (0.54 lb ai/A) including At-plant, PRE, PPI and foliar applications. In California, the maximum amount allowed per crop season is 20.5 fl oz/A (0.36 lb ai/A).

Refer to the maximum usage tables when applying more than one product containing either zeta-cypermethrin or bifenthrin or imidacloprid to this crop.

Minimum spray volume: 10 gallon(s) /A of finish spray by ground and 2 gallon(s)/A of finish spray by air.

Grazing Restrictions: Do not graze livestock in treated areas or cut treated crops for feed within 30 days of the last application.

Use of this product on corn in prohibited in all coastal counties.

Remarks

¹ The 4.8 - 6.25 fl oz/A rate must be applied as PPI and can be tankmixed and applied with PPI herbicides. Incorporation of this product should not be any deeper than the intended planting depth and no deeper than 3 inches. Incorporation depth should be close to the intended seed planting depth.

² The 2.56 oz/A rate may be applied PRE and can be tankmixed and applied with PRE herbicides.

Field Corn (Grain And Silage), Popcorn, Field Corn Grown For Seed

Pest Controlled	Rate of Application
Army cutworm Bean leaf beetle Black cutworm Common stalk borer Cutworms Flea beetle Green cloverworm Hop vine borer	3.5 - 10.3 fl oz/A (0.061 - 0.18 lb ai/A)
Armyworm, fall ¹ Armyworm, southern Armyworm, true Armyworm, yellowstriped Cereal leaf beetle Chinch bug Corn blotch leafminer (adult) Corn earworm Corn leaf aphid Corn leafhopper Corn rootworm (adult) Corn silk fly Cucumber beetle (adult) European corn borer False chinch bug Grasshoppers Greenbug Hornworms Japanese beetle (adult) Leafminer (adult) Meadow spittlebug Sap beetle Southern corn leaf beetle Southwestern corn borer Stinkbugs Tarnish plantbug Tobacco budworm ¹ Webworms Western bean cutworm	4.5 - 10.3 fl oz/A (0.079 - 0.18 lb ai/A)
<p>Restrictions</p> <p>PHI: 30 days for grain and stover and 60 days for forage.</p> <p>Minimum application interval: 7 days.</p> <p>Maximum amount of F9210-1 allowed per crop season: 30.7 fl oz/A (0.54 lb ai/A)</p> <p>Refer to the maximum usage tables when applying more than one product containing either zeta-cypermethrin or bifenthrin or imidacloprid to this crop.</p> <p>Minimum spray volume: 10 gallon(s) /A of finish spray by ground and 2 gallon(s)/A of finish spray by air.</p> <p>Grazing Restrictions: Do not graze livestock in treated areas or cut treated crops for feed within 30 days of the last application.</p>	

Use of this product on corn is prohibited in all coastal counties.

Remarks
¹ Pyrethroid resistance is common for this pest. Contact your extension specialist, certified crop consultant, or manufacturer for the latest resistance management information to determine if resistance pest populations are in your area. If so, refer the **Resistance Management Statement** in this label.

Cotton

Pest Controlled	Rate of Application
Cutworms Soybean (banded) thrips	3.2 - 6.4 fl oz/A (0.056 - 0.112 lb ai/A)
Cotton aphid Cotton fleahopper European corn borer Grasshoppers Green stink bug Red shoulder stink bug Saltmarsh caterpillar Southern garden leafhopper Southern green stink bug Tarnish plantbug	4.5 - 6.4 fl oz/A (0.079 - 0.112 lb ai/A)
Armyworm, fall ¹ Armyworm, yellowstriped Boll weevil Bollworm ¹ Brown stink bug Cabbage looper ¹ Cotton leafperforator Red banded stink bug Thrips Tobacco budworm ¹ Western plantbug	6.4 fl oz/A (0.112 lb ai/A)
<p>Restrictions</p> <p>PHI: 14 days</p> <p>Minimum application interval: 7 days. Do not make more than 10 synthetic pyrethroid applications to a cotton crop in one growing season.</p> <p>Maximum amount of F9210-1 allowed per crop season: 30.7 fl oz/A (0.54 lb ai/A)</p> <p>Refer to the maximum usage tables when applying more than one product containing either zeta-cypermethrin or bifenthrin or imidacloprid to this crop.</p> <p>Minimum spray volume: 10 gallon(s) /A of finish spray by ground and 5 gallon(s)/A of finish spray by air².</p> <p>Grazing Restrictions: Do not graze livestock in treated areas or cut treated crops for feed.</p>	
<p>Remarks</p> <p>¹ Pyrethroid resistance is common for this pest. Contact your extension specialist, certified crop consultant, or manufacturer for the latest resistance management information to determine if resistance pest populations are in your area. If so, refer the Resistance Management Statement in this label.</p> <p>² When applying by air, 1 quart of emulsified oil may be substituted for one quart of water in the finished spray.</p>	

Peanut¹

Pest Controlled	Rate of Application
Bean leaf beetle Cutworms Green cloverworm Leafhoppers Velvetbean caterpillar	3.2 - 4.5 fl oz/A (0.056 - 0.079 lb ai/A)
Aphids Armyworm, fall ² Armyworm, southern Armyworm, true Armyworm, yellowstriped Corn earworm Cucumber beetle Grasshoppers Lesser cornstalk borer Loopers ² Red-necked peanutworm Southern corn rootworm (adult) Stink bugs Threecornered alfalfa hopper Vegetable weevil Whitefly ² Whitefringed beetle (adult)	4.5 fl oz/A (0.079 lb ai/A)
Restrictions PHI: 14 days Minimum application interval: 14 days. Maximum amount of F9210-1 allowed per crop season: 13.1 fl oz/A (0.23 lb ai/A) Refer to the maximum usage tables when applying more than one product containing either zeta-cypermethrin or bifenthrin or imidacloprid to this crop. Minimum spray volume: 10 gallon(s) /A of finish spray by ground and 5 gallon(s)/A of finish spray by air. Grazing Restrictions: Do not feed green immature or plants and peanut hay or treated vines to livestock and do not graze livestock in treated area.	
Remarks ¹ Use not permitted in California unless otherwise directed by supplemental labeling. ² Pyrethroid resistance is common for this pest. Contact your extension specialist, certified crop consultant, or manufacturer for the latest resistance management information to determine if resistance pest populations are in your area. If so, refer the Resistance Management Statement in this label.	

Potato

Pest Controlled	Rate of Application
Aphids Armyworm, southern Armyworm, true Armyworm, yellowstriped Banded cucumber beetle Black flea beetle Chinch bug Colorado potato beetle Cucumber beetle Cutworms European cornborer False chinch bug Flea beetles Grasshoppers Green peach aphid Japanese beetle	4.8 fl oz/A (0.084 lb ai/A)

Leafhoppers Loopers Potato aphid Potato flea beetle Potato leafhopper Sugarcane beetle Sweetpotato flea beetle Sweetpotato weevil (adult)	
Restrictions PHI: 21 days Minimum application interval: 21 days. Maximum amount of F9210-1 allowed per crop season: 17.1 fl oz/A (0.30 lb ai/A) Refer to the maximum usage tables when applying more than one product containing either zeta-cypermethrin or bifenthrin or imidacloprid to this crop. Minimum spray volume: 10 gallon(s) /A of finish spray by ground and 5 gallon(s)/A of finish spray by air. Leaves cannot be used for food or feed.	

Soybean

Pest Controlled	Rate of Application
Bean leaf beetle Cutworms Flea beetle Grasshoppers Green cloverworm Japanese beetle (adults) Leafhoppers Painted lady (thistle) caterpillar Silverspotted skipper	3.5 - 4.8 fl oz/A (0.061 - 0.084 lb ai/A)
Alfalfa caterpillar Armyworm, southern Armyworm, true Armyworm, yellowstriped Blister beetles Brown marmolated stink bug Corn earworm Cowpea curculio Cucumber beetle Dectes stem borer European corn borer False chinch bug Grape colaspsis (adult) Hornworms Imported cabbageworm Leaf skeletonizers Leafminers (adults) Lesser cornstalk borer Loopers ² Mexican bean beetle Pea leaf weevil Rootworm (adults) Saltmarsh caterpillar Seedcorn maggot (adult) Soybean aphid Soybean stemborer Spittlebug Stink bugs Three-cornered alfalfa hopper Thrips Velvetbean caterpillar Webworm Woollybear caterpillar	4.8 fl oz /A (0.084 lb ai/A)

<p>Restrictions</p> <p>PHI: 21 days</p> <p>Minimum application interval: 30 days.</p> <p>Maximum amount of F9210-1 allowed per crop season: 14.2 fl oz/A (0.25 lb ai/A)</p> <p>Refer to the maximum usage tables when applying more than one product containing either zeta-cypermethrin or bifenthrin or imidacloprid to this crop.</p> <p>Minimum spray volume: 10 gallon(s) /A of finish spray by ground and 5 gallon(s)/A of finish spray by air.</p> <p>Grazing Restrictions: Do not graze or harvest treated soybean forage, straw, or hay for livestock feed.</p>
<p>Remarks</p> <p>¹ Use not permitted in California unless otherwise directed by supplemental labeling.</p> <p>² Pyrethroid resistance is common for this pest. Contact your extension specialist, certified crop consultant, or manufacturer for the latest resistance management information to determine if resistance pest populations are in your area. If so, refer the Resistance Management Statement in this label.</p>

VEGETABLE CROPS

Brassica (Cole) Leafy Vegetables¹

Broccoli; broccoli, Chinese; brussels sprouts; cabbage; cabbage, Chinese (napa); cabbage, Chinese mustard; cauliflower; cavalo broccolo; kohlrabi; Broccoli raab; cabbage, Chinese (bok choy); collards; kale; mizuna; mustard greens; mustard spinach; rape greens

Pest Controlled	Rate of Application
Aphids Armyworm, fall ² Armyworm, true Armyworm, yellowstriped Armyworm, southern Cabbage aphid Cabbage looper ² Click beetle (wireworm adult) Corn earworm Crickets Cucumber beetle Cutworms Diamondback moth ² Flea beetle Grasshoppers Imported cabbageworm ² Leafhoppers Leafminers (adult) Loopers Saltmarsh caterpillar Southern cabbageworm Stink bugs Tobacco budworm ²	4.9 fl oz/A (0.086 lb ai/A)

<p>Restrictions</p> <p>PHI: 7 days</p> <p>Minimum application interval: 7 days. Do not make more than 5 applications after bloom.</p> <p>Maximum amount of F9210-1 allowed per crop season: 24.5 fl oz/A (0.43 lb ai/A)</p> <p>Refer to the maximum usage tables when applying more than one product containing either zeta-cypermethrin or bifenthrin or imidacloprid to this crop.</p> <p>Minimum spray volume: 15 gallon(s) /A of finish spray by ground and 5 gallon(s)/A of finish spray by air.</p>
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Remarks
¹ Not for use on crops grown for seed unless allowed by state-specific supplemental labeling.
² Pyrethroid resistance is common for this pest. Contact your extension specialist, certified crop consultant, or manufacturer for the latest resistance management information to determine if resistance pest populations are in your area. If so, refer the **Resistance Management Statement** in this label.

Sweet Corn (Grain and Silage) (At-plant)

Pest Controlled	Rate of Application			
	Floz / 1000 linear ft of row		Pounds ai / 1000 linear ft of row	
Army cutworm Amyworms Cutworms Grubs Seed corn beetle Seed corn maggot True armyworm or Wireworm	0.64		0.01148	
Row Spacing (inches)	40	38	36	30
F9210-1 (lb ai/A)	0.147	0.155	0.163	0.20
F9210-1 (formulated fl oz/A)	8.4	8.8	9.3	11.4

Applications of this product alone or in recommended tank mixtures, in conjunction with in-furrow pop-up fertilizers may be used.
 A jar compatibility test should be performed with appropriate ratio of this product and fertilizer to ensure mixture will stay in solution.
 Constant agitation should be maintained during mixing and application.
Do not apply within 3 days of harvest
Do not graze livestock in treated area or cut treated crops for feed within 30 days of treatment.
Do not apply more than 0.2 lb. active per acre per season as an at plant application.

Sweet Corn (Grain and Silage)

Pest Controlled	Rate of Application
Aphids Army cutworm Bean leaf beetle Common stalk borer Cutworms Flea beetle Grasshoppers Green cloverworm Hop vine borer Western bean cutworm	3.5 - 10.3 fl oz/A (0.061 - 0.18 lb ai/a)
Armyworm, fall ¹ Armyworm, southern Armyworm, true Armyworm, yellowstriped Cereal leaf beetle Chinch bug Corn blotch leafminer (adult) Corn earworm Corn leaf hopper Corn rootworm (adult) Corn silk fly Cucumber beetle adult European corn borer False chinch bug Greenbug Hornworms	4.5 - 10.3 fl oz/A (0.079 - 0.18 lb ai/A)

Japanese beetle (adult) Meadow spittlebug Sap beetle Southern corn leaf beetle Southwestern corn borer Stinkbugs Tarnish plantbug Tobacco budworm Webworms	
Restrictions PHI: 3 days Minimum application interval: 7 days. Maximum amount of F9210-1 allowed per crop season: 20.5 fl oz/A (0.36 lb ai/A) Refer to the maximum usage tables when applying more than one product containing either zeta-cypermethrin or bifenthrin or imidacloprid to this crop. Minimum spray volume: 20 gallon(s) /A of finish spray by ground and 2 gallon(s)/A of finish spray by air. Grazing Restriction: Do not graze livestock in treated area or cut treated crops for feed within 30 days of treatment. Use of this product on corn is prohibited in all coastal counties.	
Remarks ¹ Pyrethroid resistance is common for this pest. Contact your extension specialist, certified crop consultant, or manufacturer for the latest resistance management information to determine if resistance pest populations are in your area. If so, refer the Resistance Management section of this label.	

Head Lettuce

Pest Controlled	Rate of Application
Armyworm, fall ² Armyworm, true Armyworm, yellowstriped Armyworm, southern Cabbage aphid Cabbage looper ² Click beetle (wireworm adult) Corn earworm Crickets Cucumber beetle Cutworms Diamondback moth ² Flea beetle Foxglove aphid Grasshoppers Green peach aphid Imported cabbageworm ² Leafhoppers Leafminers (adult) Lettuce aphid Loopers Potato aphid Red lettuce aphid Saltmarsh caterpillar Southern cabbageworm Stink bugs Tobacco budworm ²	4.8 oz/A (0.084 lb ai/A)
Restrictions PHI: 7 days Minimum application interval: 7 days. Maximum amount of F9210-1 allowed per crop season: 24.5 fl oz/A (0.43 lb ai/A) Refer to the maximum usage tables when applying more than one product containing either zeta-cypermethrin or bifenthrin or imidacloprid to this crop.	

Minimum spray volume: 15 gallon(s) /A of finish spray by ground and 5 gallon(s)/A of finish spray by air.

Remarks

¹ Not for use on crops grown for seed unless allowed by state-specific supplemental labeling.

² Pyrethroid resistance is common for this pest. Contact your extension specialist, certified crop consultant, or manufacturer for the latest resistance management information to determine if resistance pest populations are in your area. If so, refer the **Resistance Management Statement** in this label.

Dried and Succulent Peas and Beans, except Soybeans, dry¹

Succulent Edible-Podded Pea and Bean or Succulent Shelled Pea and Bean including: Dwarf Pea; Edible-pod Pea; Snow Pea; Sugar Snap Pea; Pigeon pea; Soybean (immature seed); wordbean; English Pea; Garden Pea; Green Pea; Runner Bean; Snap Bean; Wax Bean; Asparagus Bean; Chinese Longbean; Moth Bean; Yardlong Bean; Jackbean; Lima Bean (Green); Broad Bean (Succulent); Blackeyed Pea; Southern Pea; Cowpea.

Dried Shelled Pea and Bean (except Soybean) including: Broad Bean (Fava Bean); Blackeyed Pea; Southern Pea; Grain Lupin; Sweet Lupin; White Lupin; White Sweet Lupin; Field Bean; Kidney Bean; Lima Bean (Dry); Navy Bean; Pinto Bean; Tepary Bean; Adzuki Bean; Catjang; Cowpea; Crowder Pea; Moth Bean; Rice Bean; Urd Bean; Chickpea (Garbanzo Bean); Guar; Lablab bean; Lentil; Field pea; Pigeon Pea.

Pest Controlled	Rate of Application
Bean leaf beetle Cutworms Flea beetles Grasshoppers Green cloverworm Japanese beetle (adults) Leafhoppers Painted lady (thistle) caterpillar Silverspotted skipper	3.5 - 4.5 fl oz/A (0.061 - 0.079 lb ai/A)
Alfalfa caterpillar Armyworm, southern Armyworm, true Armyworm, yellowstriped Blister beetles Brown marmorated stink bug Corn earworm Cowpea curculio Cucumber beetles Dectes stem borer European corn borer False chinch bug Grape colaspis (adult) Hornworms Imported cabbageworm Leaf skeletonizers Leafminers (adults) Lesser cornstalk borer Loopers ² Mexican bean beetle Pea leaf weevil Rootworm (adults) Saltmarsh caterpillar Seedcorn maggot (adult) Soybean aphid Soybean stemborer Spittlebug Stink bugs Three-cornered alfalfa hopper Thrips Velvetbean caterpillar Webworm Woollybear caterpillar	4.5 fl oz /A (0.079 lb ai/A)

<p>Restrictions</p> <p>PHI: 7 days for Succulent Shelled or Edible-Podded Peas or Beans and 21 days for Dried Shelled Peas or Beans</p> <p>Minimum application interval: 7 days.</p> <p>Maximum amount of F9210-1 allowed per crop season: 13.1 fl oz/A (0.23 lb ai/A)</p> <p>Refer to the maximum usage tables when applying more than one product containing either zeta-cypermethrin or bifenthrin or imidacloprid to this crop.</p> <p>Minimum spray volume: 10 gallon(s) /A of finish spray by ground and 5 gallon(s)/A of finish spray by air.</p>
<p>Remarks</p> <p>¹ Not for use on crops grown for seed unless allowed by state-specific supplemental labeling or for use in California unless otherwise direct by supplemental labeling</p> <p>² Pyrethroid resistance is common for this pest. Contact your extension specialist, certified crop consultant, or manufacturer for the latest resistance management information to determine if resistance pest populations are in your area. If so, refer the Resistance Management Statement in this label.</p>

Peppers, Eggplant, Orka

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

Pest Controlled	Rate of Application
Aphids Colorado potato beetle Cucumber beetle Cutworms Flea beetle Green peach aphid Leafhoppers Potato aphid	4.5 - 7.9 fl oz/A (0.79 - 0.139 lb ai/A)
Armyworm, fall ² Armyworm, southern Armyworm, true Armyworm, yellowstriped Cabbage looper ² Celery leaf tier Stink bugs Corn earworm Omnivorous leafroller European corn borer Garden webworm Grasshoppers Tobacco hornworm Meadow spittlebug Pepper maggot (adult) Pepper weevil (adult) Southwestern corn borer Tobacco budworm ² Tomato fruitworm Tomato hornworm Tomato pinworm Vegetable leafminer (adult)	6.4 - 7.9 fl oz/A (0.112 - 0.139 lb ai/A)

<p>Restrictions</p> <p>PHI: 7 days</p> <p>Minimum application interval: 7 days.</p> <p>Maximum amount of F9210-1 allowed per crop season: 24.5 fl oz/A (0.43 lb ai/A)</p> <p>Refer to the maximum usage tables when applying more than one product containing either zeta-cypermethrin or bifenthrin or imidacloprid to this crop.</p> <p>Minimum spray volume: 10 gallon(s) /A of finish spray by ground and 5 gallon(s)/A of finish spray by air.</p>
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Remarks
¹ Not for use on crops grown for seed unless allowed by state-specific supplemental labeling.
² Pyrethroid resistance is common for this pest. Contact your extension specialist, certified crop consultant, or manufacturer for the latest resistance management information to determine if resistance pest populations are in your area. If so, refer the **Resistance Management Statement** in this label.

Tomato

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

Pest Controlled	Rate of Application
Aphids Colorado potato beetle Leafhoppers Stink bugs Beet leafhopper Flea beetle Green peach aphid Potato aphid Cucumber beetle Leafhoppers	4.5 - 7.9 fl oz/A (0.079 - 0.139lb ai/A)
Armyworm, fall ² Armyworm, southern Armyworm, true Armyworm, yellowstriped Cabbage looper Celery leaf tier Corn earworm Cutworms European corn borer Garden webworm Omnivorous leafroller Grasshoppers Tobacco hornworms Meadow spittlebug Pepper maggot (adult) Pepper weevil Southwestern corn borer Tobacco budworm ² Tomato fruitworm Tomato hornworm Tomato pinworm Vegetable leafminer Whiteflies	6.4 - 7.9 fl oz/A (0.112 - 0.139 lb ai/A)

Restrictions
PHI: 1 day
Minimum application interval: 10 days. No more than 4 applications per crop season.
Maximum amount of F9210-1 allowed per crop season: 24.5 fl oz/A (0.43 lb ai/A)
 Refer to the maximum usage tables when applying more than one product containing either zeta-cypermethrin or bifenthrin or imidacloprid to this crop.
Minimum spray volume: 10 gallon(s) /A of finish spray by ground and 5 gallon(s)/A of finish spray by air.
Grazing Restrictions: Do not graze livestock in treated areas or cut treated crops for feed

Remarks
¹ Not for use on crops grown for seed unless allowed by state-specific supplemental labeling.
² Pyrethroid resistance is common for this pest. Contact your extension specialist, certified crop consultant, or manufacturer for the latest resistance management information to determine if resistance pest populations are in your area. If so, refer the **Resistance Management Statement** in this label.

Root and Tuber Vegetables¹

Crops of Crop Group 1 (except sugarbeets): Arracacha, Arrowroot, Artichoke (Chinese and Jerusalem), Beet (garden)², Burdock (edible)², Canna (edible, Queensland arrowroot), Carrot², Cassava (bitter & sweet)², Celeriac², Chayote (root), Chervil (turnip-rooted)², Chicory², Chufa, Dasheen (taro)², Ginger, Ginseng, Horseradish, Kava^{2, 3}, Leren, Parsley (turnip-rooted), Parsnip², Radish², Oriental radish (diakon)², Rutabaga², Salsify (black)², Salsify (oyster plant), Salsify (Spanish), Skirret, Sweetpotato², Tanier (cocoyam)², Tumeric, Turnip², Yam bean (jicama, manioc pea), Yam (true)².
(For recommended applications on Potato see Field Crops section)

Pest Controlled	Rate of Application
Aphids Banded cucumber beetle Black flea beetle Colorado potato beetle Cucumber beetle Cutworms Flea beetles Japanese beetle Leafhoppers Potato leafhopper Sweetpotato flea beetle	3.2 - 4.5 fl oz/A (0.056 - 0.079 lb ai/A)
Armyworm, fall ⁴ Armyworm, southern Armyworm, true Armyworm, yellowstriped Banded cucumber beetle Chinch bug Cucumber beetle European cornborer False chinch bug Grasshoppers Loopers ⁴ Sugarcane beetle Sweetpotato weevil (adult)	4.5 fl oz/A (0.079 lb ai/A)
Restrictions PHI: 21 days Minimum application interval: 7 days. No more than one application on radishes; 2 on all other crops per crop season. Maximum amount of F9210-1 allowed per crop season: 4.5 Fl oz/a (0.079 lb ai/a) for radishes; 9.10 Fl oz/a (0.16 lb ai/a) except radishes Refer to the maximum usage tables when applying more than one product containing either zeta-cypermethrin or bifenthrin or imidacloprid to this crop. Minimum spray volume: 10 gallon(s) /A of finish spray by ground and 5 gallon(s)/A of finish spray by air.	
Remarks Pyrethroid resistance is common for this pest. Contact your extension specialist, certified crop consultant, or manufacturer for the latest resistance management information to determine if resistance pest populations are in your area. If so, refer the Resistance Management Statement in this label.	

TREES BUSHES AND VINES

Bushberries

Aronia berry; blueberry, highbush; blueberry, lowbush; buffalo currant; Chilean guava; cranberry, highbush; currant, black; currant, red; elderberry; European barberry; gooseberry; honeysuckle, edible; huckleberry; jostaberry; Juneberry (Saskatoon berry); lingonberry; native currant; salal; sea buckthorn; cultivars, varieties, and/or hybrids of these

Pest Controlled	Rate of Application
Aphids Leafhooppers Sharpshooters Blueberry maggot Japanese beetle (adults)	4.5 - 10.3 fl oz/A (0.079 - 0.181 lb ai/A)

Thrips (foliage feeding thrips only)	
Fruitworms Lecanium scale (crawlers) Vinegar fly (spotted wing drosophila) Plum curculio Oblique leafroller Red banded leafroller Spanworm Variegated leafroller	6.4 - 10.3 fl oz/A (0.112 - 0.181 lb ai/A)
Restrictions	
PHI: 3 days	
Minimum application interval: 7 days. No more than 5 applications per crop season.	
Maximum amount of F9210-1 allowed per crop season: 31.0 fl oz/A (0.54 lb ai/A)	
Refer to the maximum usage tables when applying more than one product containing either zeta-cypermethrin or bifenthrin or imidacloprid to this crop.	
Minimum spray volume: 20 gallon(s) /A of finish spray by ground and 5 gallon(s)/A of finish spray by air.	
Do not apply pre-bloom or during bloom or when bees are actively foraging.	

Caneberries¹

Rubus spp. (including blackberry); Rubus caesius (youngberry); Rubus loganbaccus (loganberry); Rubus idaeus (red and black raspberry); cultivars, varieties, and/or hybrids of these

Pest Controlled	Rate of Application
Aphids Vinegar fly (spotted wing drosophila) Thrips Leafrollers	6.4 - 10.3 fl oz/A (0.112 - 0.181 lb ai/A)
Blackvine weevil (adult) Brown apple moth Orange tortrix Root weevil (adult)	10.3 fl oz/A (0.181 lb ai/A)
Restrictions	
PHI: 3 days	
Minimum application interval: 7 days. One application may be made post bloom. Do not apply pre-bloom or during bloom or when bees are actively foraging.	
Maximum amount of F9210-1 allowed per crop season: 10.3 fl oz/A (0.181 lb ai/A)	
Refer to the maximum usage tables when applying more than one product containing either zeta-cypermethrin or bifenthrin or imidacloprid to this crop.	
Minimum spray volume: 50 gallon(s) /A of finish spray by ground and 10 gallon(s)/A of finish spray by air.	
Remarks	
¹ Use not permitted in California unless otherwise directed by supplemental labeling.	

Grapes

Pest Controlled	Rate of Application
Cutworms Eastern grape leafhopper Grape mealybug (crawlers) Grapeleaf skeletonizer Leafhoppers Sharpshooters Variegated leafhopper Vinegar fly (spotted wing drosophila) Western grape leafhopper	5.0 fl oz/A (0.088 lb ai/A)

Restrictions
PHI: 30 days
Minimum application interval: 14 days.
Maximum amount of F9210-1 allowed per crop season: 10.2 fl oz/A (0.18 lb ai/A)
Refer to the maximum usage tables when applying more than one product containing either zeta-cypermethrin or bifenthrin or imidacloprid to this crop.
Minimum spray volume: 25 gallon(s) /A of finish spray by ground.
F9210-1 may only be applied by ground equipment.

Citrus

Calamondin, Citron citron, Citrus hybrids (includes chironja, tangelo and tangor), Grapefruit, Kumquat, Lemon, Lime, Mandarin (tangerine), Pummelo, Orange (sweet and sour), Satsuma mandarin, White sapote (Casimiroa spp.), and other cultivars and/or hybrids of these

Pest Controlled	Rate of Application
Scales Asian cockroach Fire ants Blue green citrus root weevil (Pachnaeus opalus) Brown leaf notcher (Epicacrus mexicanus) Diaprepes root weevil (Diaprepes abbreviatus) Southern blue green citrus root weevi (Pachnaeus litus)	12.5 fl oz/A (0.22 lb ai/A)

Restrictions
PHI: 1 day
Minimum application interval: 10 days.
Maximum amount of F9210-1 allowed per crop season: 51.2 fl oz/A (0.9 lb ai/A)
Refer to the maximum usage tables when applying more than one product containing either zeta-cypermethrin or bifenthrin or imidacloprid to this crop.
Minimum spray volume: 40 gallon(s) /A of finish spray by ground.
Do not allow any application of the product to contact fruit or foliage.
Do not apply through irrigation systems.
Do not apply during bloom or within 10 days prior to bloom or when bees are actively foraging.
Do not apply by air or through irrigation systems.

Remarks
Scales – time application to the crawler stage. Treat each generation. Where concentrated applications are appropriate, increase the spray solution concentration to apply an equivalent rate per acre to that applied in the diluted application. The 12.5 fluid ounce/acre rate is based on full sized trees. This rate may be reduced proportionally for smaller trees.
The use of this product protects citrus tree roots from Diaprepes and other citrus root weevil feeding by creating a barrier. As Citrus root weevil eggs hatch, the newly hatched larvae (neonates) fall to the soil surface beneath the tree and come into contact with this product as they attempt to burrow into the root zone. Disturbance of the soil beneath the tree should be minimized. Timing of application is very important. Peak emergence of Diaprepes adults varies by citrus growing region, and environmental factors such as soil moisture can affect citrus root emergence.
Usually, two peaks occur for Diaprepes, first in the spring then late summer or early fall. Southern blue green and Blue green citrus weevils and Fuller rose beetle usually have a single emergence peak in the spring. Brown and Little leaf notchers usually have three emergence peaks, spring, summer and fall. Since emergence varies by region and season, the best way to time application is to observe the adults. By trapping adults when they are most active (in the morning or and late afternoon) during the spring and summer emergence periods, an estimation of numbers can be obtained. Eggs are laid 8 to 10 weeks following the adult emergence from the soil; larvae invasion into the soil will begin 2 to 3 weeks following adult emergence. This product must be applied prior to the dropping of the neonates. Consult local university extension personnel for current information to protect citrus trees from Citrus root weevils and other pests. If the citrus grove to be treated is in an area where weather conditions are conducive to primary emergence occurring in the spring, 12.5 fl. oz. formulated product should be used to obtain the longest residual management of Diaprepes root weevil. If the citrus grove to be treated is in an area where weather conditions will promote more than one peak of pest emergence, 12.5 fl. oz. formulated product can be applied early season and 12.5 fl. oz. formulated product can be applied later in the season.
If emergence extends beyond the residual protection of this product, grower is advised to use additional management strategies (i.e. foliar adult control or soil larvae control such as nematodes). Contact your state agricultural Extension Specialist as to the recommendation suited for local conditions."
Apply this product by ground equipment to bare soil beneath citrus trees. This product must be uniformly applied from the

trunk to the drip line of the tree, apply in a minimum of 40 gallons of dilute spray per acre. Greater spray volume should insure greater uniformity of coverage. A pre and post-application irrigation may aid in the uniformity of coverage as well.

Apply to individual citrus resets, when not in solid planted rows, using hand-gun or shielded sprayer. Peak emergence of Diaprepes root weevil generally occurs in the spring. Depending on weather conditions, a minor emergence of Diaprepes root weevil may also occur in the fall.

Tree nuts, except almonds

Beech nut; Brazil nut; butternut; cashew; chestnut; chinquapin; filbert (hazelnut); hickory nut; macadamia nut; pecan; walnut, black and English

Pest Controlled	Rate of Application
Leafhoppers	4.5 - 10.3 fl oz/A
Sharpshooters	(0.079 - 0.181 lbs ai/A)
Black pecan aphid	10.3 fl oz/A
Codling moth	(0.181 lbs ai/A)
Filbert worm	
Fire ants	
Hickory shuckworm	
Leaffooted bug	
Navel orange worm	
Oblique-banded leafroller	
Peach twig borer	
Pecan leaf casebearer	
Pecan nut casebearer	
Pecan phyloxera	
Pecan weevil	
Plant bugs	
San jose scale (crawlers)	
Stinkbugs	
Walnut aphid	
Walnut husk fly	
Yellow pecan aphid	
Restrictions	
PHI: 7 days, except pecans which is 21 days.	
Minimum application interval: 15 days.	
Maximum amount of F9210-1 allowed per crop season: 36.4 fl oz/A (0.64 lb ai/A)	
Refer to the maximum usage tables when applying more than one product containing either zeta-cypermethrin or bifenthrin or imidacloprid to this crop.	
Minimum spray volume: 200 gallon(s) /A of finish spray by ground and 50 gallon(s)/A of finish spray by air as a dilute. 50 gallons /A of finish spray by ground and 25 gallon(s) /A by air as a concentrate.	
Grazing Restrictions: Do not graze livestock in treated orchards or cut treated cover crops for feed.	
Do not apply pre-bloom or during bloom or when bees are actively foraging.	

Conditions of Sale and Limitation of Warranty and Liability:

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

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