

279-3114

04/05/2011

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

April 5, 2011

Christopher Davis  
Registration Manager  
1735 Market Street  
Philadelphia, PA 19103

Subject: Amendment – Removing a Restriction  
Capture 2EC-CAL  
EPA Reg. No. 279-3114  
Your submission dated October 22, 2010

Dear Mr. Davis:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable subject to the comments listed below. Two (2) copies of the finished labeling must be submitted prior to releasing the product for shipment. A stamped copy of the label is enclosed for your records.

1. Under the Buffer Zone for Ground Application, ULV and Non-ULV Aerial Application replace “ponds” with “natural ponds”.

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

Sincerely,  
*BeWanda Alexander for*  
Richard Gebken  
Product Manager  
Insecticide Branch  
Registration Division (7505P)

Enclosure

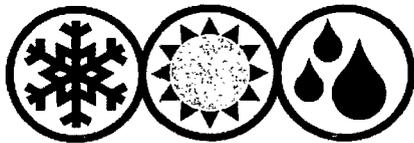
**RESTRICTED USE PESTICIDE**  
**Toxic to fish and aquatic organisms.**  
For retail sale to and use only by certified applicators, or persons under their direct supervision and only for the uses covered by the certified applicator's certification.



### Insecticide/Miticide

EPA Reg. No. 279-3114	EPA Est. 279-
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*	25.1%
Other Ingredients:**	74.9%
	100.0%

\*\*Cis isomers 97% minimum, trans isomers 3% maximum.  
\*\*Contains xylene range aromatic solvents.  
This product contains 2 pounds active ingredient per gallon.  
U.S. Patent No. 4,238,505



**ALL-WEATHER FORMULA**

**KEEP OUT OF REACH OF CHILDREN**  
**WARNING**  
**AVISO**

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

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.)

See other panels for additional precautionary information.



FMC Corporation  
1735 Market Street  
Agricultural Chemical Group  
Philadelphia PA 19103

ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
APR 5 2011  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
279-3114

### 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 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.

**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.

### HOTLINE NUMBER

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 medical treatment information.

### Note to Physician:

This product is a pyrethroid. Contains petroleum distillate - vomiting may cause aspiration pneumonia. 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.

**For Emergency Assistance Call (800) 331-3148.**

### PRECAUTIONARY STATEMENTS

#### Hazards to Humans (and Domestic Animals)

##### Warning

May be fatal if swallowed. Harmful if inhaled, or absorbed through skin. Causes moderate eye irritation. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes or clothing.

##### 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 E 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 Laminar or Nitrile Rubber or Neoprene Rubber or Viton, 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 Laminar or Nitrile Rubber or Neoprene Rubber or Viton, shoes plus socks, and 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. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. 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 if bees are visiting the treatment area.

### Physical/Chemical Hazards

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.

**Resistance.** Some insects are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. Consult your local or state agricultural authorities for details.

If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local company representative or agricultural advisor for the best alternative method of control for your area.

### 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.

### STORAGE AND DISPOSAL

#### Pesticide Storage

Do not 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. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call FMC: 1-(800)-331-3148.

To confine spill: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

#### 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 Disposal

U-Turn® Container: Do not rinse container. Do not empty remaining formulated product. Do not break seals. Return intact to point of purchase.

**Metal or Plastic Container: Non-refillable container.** Do not reuse or refill this container. Triple rinse as follows: Empty the remaining contents into application equipment or mix tank and drain for 10 seconds after flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or mix tank or store rinsate for later use or disposal. Drain for 10 seconds after flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available, or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Do not cut or weld metal containers.

**Returnable/Refillable Containers:** 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 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.

### Special Equipment

The registration of Capture 2 EC-CAL in California requires that the product be used in closed systems that meet the criteria for closed systems as established by the California Department of Food and Agriculture. The criteria and a list of the closed systems meeting the criteria are available through the California Department of Food and Agriculture.

### 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 bifenthrin.

### Tank-Mixture

Capture 2 EC Insecticide/Miticide 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. Test for compatibility of products before mixing.



**CANOLA, CRAMBE, RAPESEED**

CROP	PEST	DOSAGE		REMARKS
		LB/A/A	FL OZ.A	
Canola Crambe Rapeseed	Cutworms Aphids Cutworms Diamondback Moth Loopers Other Lepidopterous Larvae Flea Beetle Flea Hopper Grasshopper Plant Bug Stink Bugs Seedpod Weevil Thrips Whitefly Armyworms	0.033-0.04	2.1 - 2.6	Apply in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment. When applying by air, 1-2 quarts of emulsified oil may be substituted for 1-2 quarts of water in the finished spray. Thorough coverage is essential to achieve control.  Do not apply more than 0.08 lb active ingredient (5.12 ounces) per acre per season. Do not make applications less than 14 days apart.  Do not apply within 35 days of harvest.

**Field Corn (Grain and Silage), Popcorn, Field Corn Grown For Seed (AT PLANT USE)**

PEST	DOSAGE		REMARKS
	LB/A/A	FL OZ.A	
Corn Rootworm Larvae Mexican Northern Southern Western	.0046 pound active per 1,000 linear feet of row	0.30 fluid ounces per 1,000 linear feet of row	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 the Capture 2EC needs per acre. Apply in a minimum of 3 gallons of finished spray per acre.
Army Cutworm Cutworm Species Grubs Seed Corn Beetle Seed Corn Maggot True Armyworm or Armyworm Species Wireworm	.0023 to .0046 pound active per 1,000 linear feet of row	0.15 to 0.30 fluid ounces per 1,000 linear feet of row	Mix Capture 2EC 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 Capture 2EC, then add the rest of the water or fertilizer. Provide sufficient agitation during mixing and application to maintain a uniform spray mixture.  Applications of Capture 2EC 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 Capture 2EC 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 0.1 pound active per acre per season as an at plant application.
Row Spacings (inches)	40	38	36 30
Capture 2EC (pounds ai per acre)	0.060	0.064	0.069 0.080
Capture 2EC (formulated ounces per acre)	3.9	4.1	4.4 5.12

**COTTON**

CROP	PEST	DOSAGE		REMARKS
		LB/A/A	FL OZ.A	
Cotton	European Corn Borer Soybean (Banded) Thrips Tobacco Thrips	0.02-0.1	1.3-6.4	Capture 2 EC-CAL may be applied in water or refined vegetable oil (soybean/cottonseed). Application in Water: Apply in a minimum of 5 gallons per acre with ground equipment or 1 gallon per acre by aircraft. When applying by air, 1 quart of emulsified oil may be substituted for one quart of water in the finished spray.  To Control Boll Weevil: Apply Capture 2 EC-CAL at an interval of 3 to 4 days until pest numbers are reduced to acceptable levels.  To Control Mites and Aphids: Apply when pests first appear. Repeat as necessary to maintain control. Higher rates will be required once a damaging threshold is established.
	Boll Weevil Bollworm Cabbage Looper Cotton Aphid Cotton Fleahopper Cotton Leafperforator Cutworms Fall Armyworm Lygus Spp. Plant Bugs Saltmarsh Caterpillar Southern Garden Leafhopper Stink Bugs Tobacco Budworm Whitefly Yellow Striped Armyworm	0.04-0.1	2.6-6.4	
	Beet Armyworm Carmine Spider Mite Pink Bollworm Twospotted Spider Mite	0.06-0.1	3.8-6.4	

Do not apply more than 0.3 pound active per acre per season.  
Do not make more than 3 applications per season.  
Do not apply within 14 days of harvest.  
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, Pounce® and Scout® X-TRA.

### Field Corn (Grain and Silage), Popcorn, Field Corn Grown For Seed (FOLIAR USE)

PEST	DOSAGE	
	LB/A/A	FL OZ.A
Aphids	0.033-0.10	2.1-6.4
Army Cutworm		
Beet Armyworm		
Cereal Leaf Beetle		
Chinch Bug		
Common Stalk Borer		
Corn Earworm		
Corn Rootworm Adults		
Cucumber Beetle Adult		
Cutworm Species		
European Corn Borer		
Fall Armyworm		
Flea Beetle		
Grasshoppers		
Greenbug		
Japanese Beetle Adult		
Leafhopper		
Sap Beetle		
Southern Armyworm		
Southern Corn Leaf Beetle		
Southwestern Corn Borer		
Stinkbugs		
Tarnished Plant Bug		
Thrip		
True Armyworm or Armyworm Species		
Webworms		
Western Bean Cutworm		
Yellowstriped Armyworm		
Banks Grass Mite	0.08-0.10	5.12-6.4
Carmine Mite		
Twospotted Spider Mite		

**RESTRICTIONS—Corn**

- Do not apply more than 0.2 pound active per acre per season.
- Do not apply within 30 days of harvest.
- 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 Capture 2EC on corn is prohibited in all coastal counties.

**REMARKS—Corn**

**General:** Apply in a minimum of 2-5 gallons of finished spray per acre by aircraft or in a minimum of 10 gallons per acre with ground equipment. To improve control by aircraft, use 5 gallons of finished spray per acre particularly when initial populations are heavier than normal. When applying by air, 1-2 quarts of emulsified oil may be substituted for 1-2 quarts of water in the finished spray. Thorough coverage is essential to achieve control.

**To control ear-attacking pests:** Apply Capture 2 EC-CAL just before silking and repeat as necessary to maintain control.

**Southwestern Corn Borer, European Corn Borer:** Make application for corn borer control with initial application at or shortly before egg hatch.

**For control of other insect pests:** Apply when pests first appear and repeat as necessary.

**For Control of Mites:**

Apply for Banks Grass Mite control when colonies first form prior to leaf damage or discoloration and before dispersal above the bottom third of the plant.

For Twospotted Spider Mite and Carmine Mite control, apply when colonies first form prior to leaf damage or discoloration and before widespread mite dispersal throughout the canopy.

Higher rates will be necessary for heavier initial populations and corn under heat or drought stress. Field experience with dimethoate at 0.5 lb. active per acre in tank mixture has demonstrated good control under these conditions.

### SWEET CORN SWEET CORN GROWN FOR SEED (AT PLANT USE)

PEST	DOSAGE		REMARKS	
	LB/A/A	FL OZ.A		
Corn Rootworm Larvae Mexican Northern Southern Western	.0046 pound active per 1,000 linear feet of row	0.30 fluid ounces per 1,000 linear feet of row	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 the Capture 2EC needs per acre. Apply in a minimum of 3 gallons of finished spray per acre.  Mix Capture 2EC 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 Capture 2EC, then add the rest of the water or fertilizer. Provide sufficient agitation during mixing and application to maintain a uniform spray mixture.  Applications of Capture 2EC 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 Capture 2EC 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 0.1 pound active per acre per season as an at plant application.	
Army Cutworm Cutworm Species Grubs Seed Corn Beetle Seed Corn Maggot True Armyworm or Armyworm Species Wireworm	.0023 to .0046 pound active per 1,000 linear feet of row	0.15 to 0.30 fluid ounces per 1,000 linear feet of row		
Row Spacings (inches)	40	38	36	30
Capture 2EC (pounds ai per acre)	0.060	0.064	0.069	0.080
Capture 2EC (formulated ounces per acre)	3.9	4.1	4.4	5.12

### SWEET CORN SWEET CORN GROWN FOR SEED

PEST	DOSAGE	
	LB/A/A	FL OZ.A

Aphids Army Cutworm Aster leafhopper Beet Armyworm Cereal Leaf Beetle Chinch Bug Common Stalk Borer Corn Earworm Corn Rootworm Adults Corn Silkworm Cucumber Beetle Adult Cutworm Species European Corn Borer Fall Armyworm Flea Beetle Grasshoppers --- Greenbug Japanese Beetle Adult Leafhopper Sap Beetle Southern Armyworm Southern Corn Leaf Beetle Southwestern Corn Borer Stinkbugs Tarnished Plant Bug Thrip True Armyworm or Armyworm Species Webworms Western Bean Cutworm Yellowstriped Armyworm	0.033-0.10	2.1-6.4
Banks Grass Mite Carmine Mite Pacific Spider Mite Twospotted Spider Mite	0.08-0.10	5.12-6.4

**RESTRICTIONS—Sweet Corn**

Do not apply more than 0.2 pounds active ingredient (12.8 ounces formulated) per acre per season.

Do not apply within one day of harvest.

Do not graze livestock in treated areas or cut treated crops for feed within 1 day 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 Capture 2EC on corn is prohibited in all coastal counties.

**REMARKS—Sweet Corn**

**General:** Apply in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment. When applying by air, 1-2 quarts of emulsified oil may be substituted for 1-2 quarts of water in the finished spray. Thorough coverage is essential to achieve control.

**To control ear-attacking pests:** Apply Capture 2EC-CAL when silking begins and repeat as necessary to maintain control.

**Southwestern Corn Borer, European Corn Borer:** Make 2 applications for corn borer control with the initial application at or shortly before egg hatch.

**For control of other insect pests:** Apply when pests first appear and repeat as necessary.

**For Control of Mites:** Apply for Banks Grass Mite control when colonies first form prior to leaf damage or discoloration and before dispersal above the bottom third of the plant.

For Twospotted Spider Mite and Carmine Mite control, apply when colonies first form prior to leaf damage or discoloration and before widespread mite dispersal throughout the canopy.

Higher rates will be necessary for heavier initial populations and corn under heat or drought stress.

**ARTICHOKE**

PEST	DOSAGE		REMARKS
	LB/A/A	FL OZ.A	
Cribrate Weevil Artichoke Plume Moth	0.10	6.4	Apply when pest population reaches damaging threshold and repeat as necessary to maintain control, but not more often than 15 day intervals. Application by ground: Apply a full cover spray in a minimum of 75 gallons of finished spray per acre. Application by air: Apply specified dosage in a minimum of 10 gallons per acre. A 5-day preharvest interval must be observed.

**CUCURBITS:**

CROP	PEST	DOSAGE		REMARKS
		LB/A/A	FL OZ.A	
Chayote (fruit) Cutworms Chinese waxgourd (Chinese preserving melon) Citron melon Cucumber Gherkin Gourd, edible (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.)	Aphids Cutworms Cabbage Looper Leafhoppers Cucumber Beetles Squash Bugs Armyworms Melonworm Pickleworm Plant bug Stink Bugs Rindworm Squash Vine Borer Corn Earworm Tobacco Budworm Grasshopper Whitefly Twospotted Spider Mite Carmine Mite Mite Banks Grass Mite Lygus spp.	0.04 - 0.10	2.6 - 6.4	Apply in a minimum of 5 gallons of finished spray per acre by air or in a minimum of 20 gallons per acre with ground equipment. When applying by air, 1-2 quarts of emulsified oil may be substituted for 1-2 quarts of water in the finished spray. Thorough coverage is essential to achieve control. Do not apply more than 0.3 lb active ingredient (19.2 ounces formulated) per acre per season. Do not make more than two applications after bloom. Do not make applications less than 7 days apart. Do not apply within 3 days of harvest.
		0.08 - 0.10	5.12 - 6.4	

### LETTUCE, HEAD

PEST	DOSAGE		REMARKS
	LB/AI/A	FL OZ.A	
Aphids Armyworms Cabbage Maggot Corn earworm Cucumber Beetles Cutworms Diamondback Moth Flea Beetles Grasshopper Imported Cabbageworm Leafhoppers - Loopers Salt Marsh Caterpillar Stink bug Spp. Thrips Tobacco Budworm Whitefly	0.033 to 0.10	2.1 to 6.4	Apply in water as necessary for insect control using a minimum of 15 gallons of finished spray per acre with ground equipment and 5 gallons per acre by air. When applying by air, 1-2 quarts of emulsified oil may be substituted for 1-2 quarts of water in the finished spray. Thorough coverage is essential to achieve control. Do not make applications less than 7 days apart. A maximum of 0.5 lb. active ingredient may be applied per acre per season. Do not apply within 7 days of harvest.
Lygus Spp. Carmine Mite Two Spotted SpiderMite			

### PEPPERS, BELL AND NON-BELL

PEST	DOSAGE		REMARKS
	LB/AI/A	FL OZ.A	
Aphids Armyworms Corn earworm Cucumber Beetles Cutworms European Corn Borer Flea Beetles Leafhoppers Leafminers Loopers Pepper Weevil Stink bug spp Tobacco budworm Thrips Whitefly	0.033 to 0.1	2.1 to 6.4	Apply using sufficient water to obtain uniform coverage. Apply as needed. Apply with ground equipment using a minimum of 10 gallons of finished spray per acre or a minimum of 2 gallons per acre by aircraft. Do not make applications less than 7 days apart. Do not apply more than 0.20 pound active ingredient per acre per season. Do not apply within 7 days of harvest.
Lygus Spp. Broad Mite Carmine Mite Two Spotted Spider Mite			

### SUCCULENT PEAS AND BEANS

CROP	PEST	DOSAGE		REMARKS
		LB/AI/A	FL OZ.A	
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	Flea Beetle Grasshoppers Aster Leafhopper Leafhoppers Aphids Beet Armyworm Fall Armyworm Southern Armyworm Yellowstriped Armyworm Bean Leaf Beetle Cucumber Beetles Japanese beetle Adult Sap Beetle Plant Bug Stink Bugs Tarnished Plant Bug Alfalfa Caterpillar Cloverworm European Corn Borer Cutworms Western Bean Cutworm Corn Earworm Loopers Corn Rootworm Adult Thrips Webworms Pea Weevil Pea Leaf Weevil Whitefly	0.025 - 0.10	1.6 - 6.4	Apply in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment. When applying by air, 1-2 quarts of emulsified oil may be substituted for 1-2 quarts of water in the finished spray. Thorough coverage is essential to achieve control. Do not apply more than 0.2 lb. active ingredient (12.8 ounces formulated) per acre per season. Do not apply within 3 days of harvest
		0.033 - 0.10	2.1 - 6.4	

Banks Mite Grass Mite Twospotted Spider Mite Carmine Mite Lygus Sp	0.08 - 0.10	5.12 - 6.4	
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### EGGPLANT

CROP	PEST	DOSAGE		REMARKS
		LB/AI/A	FL OZ.A	
Eggplant	Colorado Potato Beetle Corn Earworm European Corn Borer Flea Beetle Cucumber Beetle Cabbage Looper Tomato Pinworm Tomato Hornworm Vegetable Leafminer Whitefly Armyworms Plant Bug Stink Bug Thrips	0.033 - 0.10	2.1 - 6.4	Apply in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment. When applying by air, 1-2 quarts of emulsified oil may be substituted for 1-2 quarts of water in the finished spray. Thorough coverage is essential to achieve control. 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 season. Do not apply within 9 days of harvest.
	Banks Grass Mite Twospotted Spider Mite Carmine Mite Pacific Spider Mite Lygus Spp.			

### HOPS

PEST	DOSAGE		REMARKS
	LB/AI/A	FL OZ.A	
Aphids Armyworms Cutworms Leafrollers Loopers	0.06 to 0.1	3.8 to 6.4	Do not exceed 0.1 lb ai per acre per application. Do not exceed 0.3 lb ai per acre per season.
Root Weevils	0.05 to 0.1	3.2 to 6.4	A spray interval of 21 days between applications must be maintained.
Twospotted spider mite	0.1	6.4	A 14 day pre-harvest interval must be observed. <b>Application by ground:</b> For best results, full coverage is essential. Early season recommend 100-150 gallons of spray per acre. Late season recommend 200-250 gallons of spray per acre. For Root Weevil control, make a directed spray to the base of the plant. Spray up the vine 3 feet and the soil surface 1.5 to 2 feet on either side of the plant. <b>Application by air for late season control of twospotted spider mites:</b> Apply no less than 6.4 oz. (0.1 lb ai) per application in a minimum of 10 gallons per acre. Use of ultra low volume (ULV) application on hops is prohibited.

**PEARS**

PEST	DOSAGE		REMARKS
	LB/A/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 Bugs	0.04 to 0.2	2.6 to 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 per acre by air.
Twospotted Spider Mite Yellow Mite	0.06 to 0.2	8.8 to 12.8	Do not apply more than 0.5 pound active per acre per season with no more than 0.45 pound active per acre applied after petal fall.
European Red Mite	0.08 to 0.2	5.12 to 12.8	Apply as necessary to maintain control using a minimum of 30 day spray interval. Apply up to 14 days prior to harvest. Do not graze livestock in treated orchards or cut treated cover crops for feed.

**CITRUS (1 day phi)**

Insects Controlled	Rate of Application	Method of Application
Diaprepes Root Weevil (Diaprepes abbreviatus) Fire ants Asian cockroach	16 - 32 ounces (0.25 - 0.50 pound active) per acre	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.  If the citrus grove to be treated is in an area where weather conditions are conducive to primary emergence occurring in the spring, 32 fluid ounces 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, 16 fluid ounces formulated product can be applied early season and 16 fluid ounces formulated product can be applied later in the season.  If emergence extends beyond the residual protection of Capture 2EC, 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.

Do not apply through irrigation systems.  
Do not allow any application of Capture 2EC to contact fruit or foliage.  
Do not apply more than a total of 32 fluid ounces of formulated product (0.5 lb. a.i.) per acre per year.  
Apply the specified dosage in a minimum of 30 gallons of finished spray per acre.  
Ground application only. Do not apply by air.

**TOMATOES (1 day phi)**

Insects Controlled	Rate of Application	Method of Application
Aphids Armyworms Including: Beet Armyworm, Fall Armyworm, Southern Armyworm, Yellowstriped Armyworm Bean Leaf Beetle Cabbageworm Carmine Mite Cloverworm Corn earworm Corn Rootworm Cucumber Beetles Cutworms Diamondback Moth European Corn Borer Flea Beetles Flea Hopper Grasshopper Japanese Beetle (Adult) Leafhoppers Loopers Lygus Spp. Melonworm Pea Weevil Pea Leaf Weevil Pickleworm Plant Bug Rindworm Salt Marsh Caterpillar Sap Beetle Seedpod Weevil Squash Bugs Stink bug Spp. Tobacco Budworm Tarnished Plant Bug Thrips Two Spotted Spider Mite Whitefly	2.1 - 5.2 fluid ounces (0.033 - 0.08 pound active) per acre.	Apply in water as necessary for insect control using a minimum of 15 gallons of finished spray per acre with ground equipment. Thorough coverage is essential to achieve control.
Do not make applications less than 10 days apart. A maximum of 4 applications may be applied per season.		

**SPINACH (40 day phi)**

Insects Controlled	Rate of Application	Method of Application
Colorado Potato Beetle Tomato Pinworm Tomato Hornworm Armyworms Corn earworm Cucumber Beetles Cutworms European Corn Borer Flea Beetles Leafminers Loopers Pepper Weevil Thrips Whitefly	2.1 to 6.4 ounces (0.033 to 0.10 pound active) per acre	For control of whiteflies apply foliar treatments of Capture® insecticide by ground or air at rates of up to 0.4 pt. (0.1 lb active) per acre at minimum 7-day intervals up to a maximum of 4 applications. Do not apply within 40 days of harvest.  For control of fire ants apply Capture® insecticide to the soil (at planting) or as a foliar treatment by ground or air at rates of up to 0.4 pt. (0.1 lb active) per acre at minimum 7-day intervals up to a maximum of 4 applications. Do not apply within 40 days of harvest.
Broad Mite Banks Grass Mite Twospotted Spider Mite Carmine Mite Pacific Spider Mite Lygus Spp. Fire Ants	5.12 to 6.4 ounces (0.08 to 0.10 pound active) per acre	Apply the specified dosage in 5-50 gallons of finished spray per acre by air or 10-50 gallons finished spray per acre by ground.
Do not make applications less than 7 days apart. Do not apply more than 0.4 pounds active ingredient per acre per season.		

**Dealers Should Sell in Original Packages Only.  
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**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.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions beyond the control of FMC or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold FMC and Seller harmless for any claims relating to such factors.

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