



279-3244

11/5/2002

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Read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0050, Approval expires 2-28-95



United States  
Environmental Protection Agency  
Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number

### Application for Pesticide - Section I

1. Company/Product Number FMC Corp./279-3244	2. EPA Product Manager George T. LaRocca	3. Proposed Classification <input type="checkbox"/> None <input checked="" type="checkbox"/> Restricted
4. Company/Product (Name) FMC Corp./Capture 1.15 G	PM# 13	
5. Name and Address of Applicant (Include ZIP Code) FMC Corp. 1735 Market Street, Philadelphia, PA 19103  <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. <u>279-3244</u>  Product Name <u>Capture 1.15 G Insecticide/Miticide</u>	

### Section - II

<input type="checkbox"/> Amendment - Explain below.	<input checked="" type="checkbox"/> Final printed labels in response to Agency letter dated _____	<b>NOTIFICATION</b> NOV 05 2002
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.	
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.	

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

Notification of Alternate Brand Name and Deleting Pest per PR Notice 98-10.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of U.S.C. Sec.1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

### Section - III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input checked="" type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
<i>Certification must be submitted</i>		If "Yes" Unit Packaging wgt.      No. per container	If "Yes" Package wgt      No. per container
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container	4. Size(s) Retail Container	5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper glued <input checked="" type="checkbox"/> Stenciled <input type="checkbox"/> Other _____			

### Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Callista O. Chukwunenyne, PhD	Title Manager, Product Registrations	Telephone No. (Include Area Code) (215) 299-6592
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received  <b>(Stamped)</b>
2. Signature 	3. Title Manager, Product Registrations	
4. Typed Name Callista O. Chukwunenyne, PhD	5. Date October 28, 2002	

**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.



**(Granular Insecticide)**

EPA Reg. No. 279-3244      EPA Est. 5905-IA-01

<b>Active Ingredient:</b>	<b>By Wt.</b>
Bifenthrin: (2 methyl[1,1'-biphenyl]-3-yl) methyl 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethyl-cyclopropanecarboxylate*	1.15%
<b>Inert Ingredients:</b>	98.85%
	100.0%

\*\*Cis isomers 97% minimum, trans isomers 3% maximum.  
U.S. Patent No. 4,238,505

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**FIRST AID**

- 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 on Skin or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
- If in Eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
- If Swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**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. 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)**

**CAUTION**  
Causes moderate eye irritation. Avoid contact with eyes or clothing.

**Personal Protective Equipment:**  
**Applicators and other handlers must wear:** long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks. 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. See other panels for additional precautionary statements.

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

**Environmental Hazards**  
This pesticide is extremely toxic to fish and aquatic invertebrates. Use with care when applying in areas adjacent to any body of water. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not make applications when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

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

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

**Physical/Chemical Hazards**  
Do not use or store near heat or open flame.

**NOTIFICATION**  
NOV 05 2002

**FMC**  
FMC Corporation  
Agricultural Products Group  
Philadelphia PA 19103

## DIRECTIONS FOR USE

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

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

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. For applications to sites with restricted entry intervals (REIs) of 7 days or more, notify workers of applications by warning them orally and by posting warning signs at entrances of treated areas.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) listed in the chart below:

Crop	Activity	REI
Eggplant	All	9 days
Beans (for processing only)	All	24 hours
Beans (for fresh market)	All	9 days
Peas (for processing only)	All	24 hours
Peas (for fresh market)	All	9 days
Head, Stem Brassica	All	5 days
Sweet Corn (for processing only)	All	24 hours
Sweet Corn (for fresh market)	All	18 days
Field Corn (Grown for seed)	Detasseling	18 days
Field Corn (Grown for seed)	Roguing	18 days
Field Corn (Grown for seed)	Other Activities	24 hours
Other Crops	All	24 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: long-sleeved shirt and long pants, socks and shoes and waterproof gloves.

## STORAGE AND DISPOSAL

### Pesticide Storage

Do not store in or around the home.

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, fold and roll back bags, clamp 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: (800) 331-3148.

To confine spill: Cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

### Pesticide Disposal

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

### Container Disposal

Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Returnable/Refillable Container: Do not rinse container. Return empty container to point of purchase.

## Rotational Crops

Leafy vegetables and root crops may be rotated 30 days following the final application of bifenthrin. Crops for which bifenthrin tolerances exist may be rotated at any time. All other crops may be rotated seven months following the final application of bifenthrin. Straw may not be used for food or feed.

## Application Instructions

Rate of application is variable according to pest pressure, timing of sprays, and field scouting. Use lower rates under light to moderate infestations; higher rates under heavy insect pressure and for mite control. Arid climates generally require higher rates.

Cultivation within 10 feet of a water body is prohibited to allow for the growth of a vegetated filter strip.

Runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Do not apply this product within 20 yards of water (lakes, reservoirs, rivers, permanent streams, marshes, estuaries, natural ponds, and commercial fish farm ponds). Cover or incorporate spill (including end row spillage).

Use of Capture 1.15G is prohibited in all coastal counties.

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.

## 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.

**FIELD CORN (GRAIN, SILAGE, AND SEED), POPCORN (AT PLANT USE)**

PEST	DOSAGE	REMARKS
Corn Rootworm Larvae Northern Southern Western Cutworms Wireworms Seed Corn Maggot Seed Corn Beetle White Grubs	6.4 to 8.0 oz product (0.005 - 0.006 lb ai) per 1,000 linear feet of row	Apply as a 5 to 7 inch T-band treatment over an open seed furrow. Position in front of the press wheel centered over the row. Use the table below to determine the Capture 1.15G needs per acre.  Use highest use rate under heavy insect pressure.  Granules must be incorporated into the top one inch of soil using tines, chains or other suitable equipment. Do not apply as a T-band treatment unless you can incorporate the granules.
Cutworms Wireworms Seed Corn Maggot Seed Corn Beetle White Grubs	3.2 to 8.0 oz product (0.002 - 0.006 lb ai) per 1,000 linear feet of row	Apply as an in-furrow application directly into the seed furrow.  Use highest use rate under heavy insect pressure.
Rootworm Larvae	8.0 oz product (0.006 lb ai) per 1,000 linear feet of row	In-furrow for light to moderate pressure

ounces product per 1000 linear feet of row	Capture 1.15G lbs product/acre (lbs ai/acre) based on row spacing					
	30"	32"	34"	36"	38"	40"
8.0	8.7 (0.100)	8.2 (0.094)	7.7 (0.088)	7.2 (0.083)	6.9 (0.079)	6.5 (0.075)
6.4	7.0 (0.080)	6.5 (0.075)	6.1 (0.071)	5.8 (0.067)	5.5 (0.063)	5.2 (0.060)
4.8	5.2 (0.060)	4.9 (0.056)	4.6 (0.053)	4.3 (0.050)	4.1 (0.047)	3.9 (0.045)
3.2	3.5 (0.040)	3.3 (0.038)	3.1 (0.035)	2.9 (0.033)	2.7 (0.032)	2.6 (0.030)

**APPROXIMATE SETTINGS BASED ON SPEED - CALIBRATE FOR EXACT SETTINGS**

Planter type	4 mph		5 mph		6 mph		7 mph		8 mph	
	6.4 oz	8.0 oz	6.4 oz	8.0 oz	6.4 oz	8.0 oz	6.4 oz	8.0 oz	6.4 oz	8.0 oz
JD Max 7200-7300	17	20	20	26	22	30	26	35	30	40
JD Max 7000-7100 odd notch	11	14	13	16	15	18	17	19	19	21
JD Max 7000-7100 even notch	15	17	18	20	22	24	24	26	27	29
Kinzi even notch	13	16	16	19	19	21	20	22	22	24
Kinze odd notch	11	13	13	15	15	17	17	19	19	21
White 6000 series	12	14	15	17	17	20	19	22	21	24
Case-IH 800-900 series	1/7	1/9	2/1	2/3	2/4	2/6	2/6	2/9	2/8	3/2

**Always calibrate equipment prior to application each season to insure proper insecticide delivery.**  
 Utilize initial settings from the chart below or for clay granule insecticide delivery in the appropriate planter guide booklet.  
 Steps for calibration:  
 1. Fill insecticide hopper box  
 2. Attach a Capture calibration device to delivery tube opening  
 3. Set planter to initial setting  
 4. Measure off 1,000 row feet and drive your planter the pre-measured distance at your desired planting speed  
 5. Check the level in the calibration device and it should contain the number of ounces (3.2-8.0) required for your application  
 6. If a row is over or under the desired rate adjust the settings and repeat the calibration

**FIELD CORN (GRAIN, SILAGE, AND SEED), POPCORN (FOLIAR USE)**

PEST	DOSAGE lb product/acre (lb ai/a)	REMARKS
European corn borer (1st generation) Fall armyworm Southwestern corn borer Armyworm	3.5- 8.7 (0.04 - 0.10)	Apply as a broadcast application when insects first appear. Applications may be made by with ground or aerial equipment.  Use higher labeled use rates under heavy insect infestations.  Apply by aircraft broadcasting over corn plants or with ground equipment by directing the granule into the whorl.

**RESTRICTIONS—Corn**  
 Do not apply to soil where there is greater than 30% cover of crop residue remaining.  
 Do not apply more than 0.1 pound active per acre per season as an at plant application.  
 Do not apply more than 0.3 pound active per acre per season including at plant plus foliar applications.  
 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.  
 Do not make aerial or ground applications to corn if heavy rainfall is imminent.

**SWEET CORN (AT PLANT USE)**

PEST	DOSAGE	REMARKS
Corn Rootworm Larvae Northern Southern Western Cutworms Wireworms Seed Corn Maggot Seed Corn Beetle White Grubs	6.4 to 8.0 oz product (0.005 - 0.006 lb ai) per 1,000 linear feet of row	Apply as a 5 to 7 inch T-band treatment over an open seed furrow. Position in front of the press wheel centered over the row. Use the table below to determine the Capture 1.15G needs per acre. Use highest use rate under heavy insect pressure. Granules must be incorporated into the top one inch of soil using tines, chains or other suitable equipment. Do not apply as a T-band treatment unless you can incorporate the granules.
Cutworms Wireworms Seed Corn Maggot Seed Corn Beetle White Grubs	3.2 to 8.0 oz product (0.002 - 0.006 lb ai) per 1,000 linear feet of row	Apply as an in-furrow application directly into the seed furrow. Use highest use rate under heavy insect pressure.
Rootworm Larvae	8.0 oz product (0.006 lb ai) per 1,000 linear feet of row	In-furrow for light to moderate pressure

ounces product per 1000 linear feet of row	Capture 1.15G lbs product/acre (lbs ai/acre) based on row spacing					
	30"	32"	34"	36"	38"	40"
8.0	8.7 (0.100)	8.2 (0.094)	7.7 (0.088)	7.2 (0.083)	6.9 (0.079)	6.5 (0.075)
6.4	7.0 (0.080)	6.5 (0.075)	6.1 (0.071)	5.8 (0.067)	5.5 (0.063)	5.2 (0.060)
4.8	5.2 (0.060)	4.9 (0.056)	4.6 (0.053)	4.3 (0.050)	4.1 (0.047)	3.9 (0.045)
3.2	3.5 (0.040)	3.3 (0.038)	3.1 (0.035)	2.9 (0.033)	2.7 (0.032)	2.6 (0.030)

**APPROXIMATE SETTINGS BASED ON SPEED – CALIBRATE FOR EXACT SETTINGS**

Planter type	4 mph		5 mph		6 mph		7 mph		8 mph	
	6.4 oz	8.0 oz	6.4 oz	8.0 oz	6.4 oz	8.0 oz	6.4 oz	8.0 oz	6.4 oz	8.0 oz
JD Max 7200-7300	17	20	20	26	22	30	26	35	30	40
JD Max 7000-7100 odd notch	11	14	13	16	15	18	17	19	19	21
JD Max 7000-7100 even notch	15	17	18	20	22	24	24	26	27	29
Kinzi even notch	13	16	16	19	19	21	20	22	22	24
Kinze odd notch	11	13	13	15	15	17	17	19	19	21
White 6000 series	12	14	15	17	17	20	19	22	21	24
Case-IH 800-900 series	1/7	1/9	2/1	2/3	2/4	2/6	2/6	2/9	2/8	3/2

**Always calibrate equipment prior to application each season to insure proper insecticide delivery.**

Utilize initial settings from the chart below or for clay granule insecticide delivery in the appropriate planter guide booklet.

Steps for calibration:

1. Fill insecticide hopper box
2. Attach a Capture calibration device to delivery tube opening
3. Set planter to initial setting
4. Measure off 1,000 row feet and drive your planter the pre-measured distance at your desired planting speed
5. Check the level in the calibration device and it should contain the number of ounces (3.2-8.0) required for your application
6. If a row is over or under the desired rate adjust the settings and repeat the calibration

**SWEET CORN (FOLIAR USE)**

PEST	DOSAGE lb product/acre (lb ai/a)	REMARKS
European corn borer (1st generation) Fall armyworm Southwestern corn borer Armyworm	3.5- 8.7 (0.04 - 0.10)	Apply as a broadcast application when insects first appear. Applications may be made by with ground or aerial equipment. Use higher labeled use rates under heavy insect infestations. Apply by aircraft broadcasting over corn plants or with ground equipment by directing the granule into the whorl.

**RESTRICTIONS—Sweet Corn**

Do not make more than 0.2 pounds active ingredient 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. Do not apply within 18 days of harvest for corn that is hand harvested.

Do not make aerial or ground applications to corn if heavy rainfall is imminent.

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

**Terms of Sale or Use:** On purchase of this product buyer and user agree to the following conditions:

**Warranty:** FMC makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Except as so warranted, the product is sold as is. Buyer and user assume all risk of use and/or handling and/or storage of this material when such use and/or handling and/or storage is contrary to label instructions.

**Directions and Recommendations:** Follow directions carefully. Timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the seller and are assumed by the buyer at his own risk.

**Use of Product:** FMC's recommendations for the use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice.

**Damages:** Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid and shall not include incidental or consequential damages.

**FMC**, Ammo, Capture, Mustang, U-Turn—trademarks of FMC Corporation

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