

279-3269

05-02-2011

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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Sofia Udovenko  
FMC Corporation  
1735 Market Street  
Philadelphia, PA 19103

MAY 2 2011

Subject: Notification; Per PR-Notices 98-10 & 2007-4  
CERANO 5 MEG  
EPA Reg. No. 279-3269  
Date Submitted: February 14, 2011

Dear Ms. Udovenko:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notices (PRN) 98-10 and 2007-4 dated February 14, 2011 for the product referenced above. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and 2007-4 and finds that the actions requested fall within the scope of PRN 98-10 and 2007-4. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions regarding this letter, please contact me at (703) 306-0415 or [davis.kable@epa.gov](mailto:davis.kable@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Kable Bo Davis".

Kable Bo Davis  
Product Manager 25  
Herbicide Branch  
Registration Division (7505P)



United States  
Environmental Protection Agency  
Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number

### Application for Pesticide - Section I

1. Company/Product Number FMC Corporation/ 279-3269	2. EPA Product Manager Mr. James Tompkins	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) FMC Corporation/Cerano 5 MEG Herbicide	PM# PM-25	
5. Name and Address of Applicant (Include ZIP Code) FMC Corporation 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. _____ Product Name _____	

### Section - II

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

**NOTIFICATION**

**MAY - 2 2011**

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

Notification of container disposal language update per PR Notice 98-10 and 2007-4. This notification is consistent with the provisions of PR Notice 2007-4 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 2007-4 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:				2. Type of Container	
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		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
				<input checked="" type="checkbox"/> Glass	<input type="checkbox"/> Paper
				<input type="checkbox"/> Other (Specify) _____	
* Certification must be submitted	If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container	
3. Location of Net Contents Information <input type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 50 lbs poly-lined paper bags		5. Location of Label Directions <input checked="" type="checkbox"/> on label/container	
5. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph Paper glued 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 Sofia Udovenko	Title Senior Registration Specialist	Telephone No. (Include Area Code) (215) 299-6626
<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>
Signature 	3. Title Senior Registration Specialist	
Typed Name Sofia Udovenko	5. Date 02/14/11	

# FMC Agricultural Products

FMC Corporation  
1735 Market Street  
Philadelphia, PA 19103  
215.299.6000 Phone  
www.fmc.com

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February 14, 2011

Mr. Paul Mastradone  
Document Processing Desk (NOTIFICATIONS)  
U.S. Environmental Protection Agency  
One Potomac Yard, Room S-4900  
2777 S. Crystal Drive  
Arlington, VA 22202

Dear Mr. Mastradone:

Subject: Notification for Cerano 5 MEG Herbicide (EPA Reg. No. 279-3268) per PR Notice 2007-4

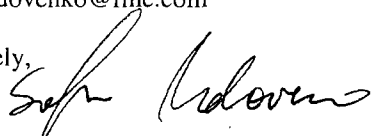
FMC is submitting a revised label for the subject product. The revisions are notification-type changes (listed below).

The revised page is as follows:

**Page 2:** Updated Storage and Disposal Section.

The additions are shown in red text on the enclosed label and are being submitted as a notification. If you have any questions, please feel free to contact me at 215-299-6626 or by e-mail at [sofia.udovenko@fmc.com](mailto:sofia.udovenko@fmc.com)

Sincerely,



Sofia Udovenko  
Senior Registration Specialist  
Agricultural Product Group  
FMC Corporation

Enclosures:  
Cover Letter  
EPA For 8570-1

Copies (2) of the revised label for Cerano 5 MEG Herbicide label with changes in red text



# CERANO®

## 5 MEG

NOTIFICATION

MAY - 2 2011

### For Agricultural or Commercial Use Only

EPA Reg. No. 279-3269

EPA Est.

ACTIVE INGREDIENT	% By Wt.
Clomazone: 2-(2-chlorophenyl) methyl-4, 4-dimethyl-3-isoxazolidinone .....	5.0%
INERT INGREDIENTS .....	95.0%
TOTAL .....	100.0%

### KEEP OUT OF REACH OF CHILDREN CAUTION

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.)

#### FIRST AID

**If in Eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**If on Skin or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**If 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 a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

For Emergency Assistance Call (800) 331-3148.

See other panels for additional precautionary information.

#### PRECAUTIONARY STATEMENTS

##### HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)

Caution: Causes moderate eye irritation. Harmful if swallowed, absorbed through skin or inhaled. Avoid contact with skin, eyes or clothing. Avoid breathing vapor. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.



FMC Corporation  
Agricultural Products Group  
Philadelphia, PA 19103  
Cerano 8-25-05

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

A) Long-sleeved shirt and long pants; B) Chemical resistant gloves such as Barrier Laminate or Viton®; C) 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.

#### ENVIRONMENTAL HAZARDS

Except as directed on this label, 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 the area treated. Do not apply where runoff is likely to occur. Do not contaminate water when disposing of equipment washwaters. Apply this product only as specified on this label.

#### USER SAFETY RECOMMENDATIONS

User should:

- 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.

#### 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 area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Crop	Pests	Rate of Application
Rice	Barnyard Grass Watergrass Spp. Sprangletop	12 lbs. Cerano® 5 MEG/acre (0.6 lbs a.i./acre)

Cerano 5 MEG may be used at reduced rates (no less than 8 lbs per acre) for the control of sprangletop or for use on lighter textured soils, decomposed granitic soils or soils subject to excess drainage. When used at rates less than 12 lbs per acre, additional use of labeled post-emergence herbicide applications may be required for control of watergrass species.

NET CONTENTS:

## 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), notification to workers, and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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: A) Coveralls; B) Chemical-resistant gloves such as Barrier Laminate or Viton®; C) Shoes plus socks.

## STORAGE AND DISPOSAL

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

**Pesticide Storage:** Keep out of reach of children and animals. Store in original container only. Store in a cool, dry place, preferably in a locked storage area and avoid excess heat. Carefully open containers. After partial use, 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: 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. Do not reuse container. 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.

Non-refillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling, if available, or 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.

## GENERAL INFORMATION

Cerano 5 MEG is a preemergence and post-emergence herbicide for the control of watergrass, barnyardgrass (*Echinochloa* spp.) and sprangletop (*Leptochloa fascicularis*).

Cerano 5 MEG controls weeds through foliar and root uptake as a chlorophyll-production inhibitor.

Cerano 5 MEG is formulated as a 5% Micro encapsulated, uniform granule.

DO NOT apply under conditions that would allow Cerano 5 MEG to come into contact with adjacent crops other than rice by drift as injury may occur.

## SPECIAL USE PRECAUTIONS

- 1) Apply this product to rice only as specified on this label. Do not apply to any other crop or site.
- 2) Direct application to ditches used to transport irrigation water is prohibited.
- 3) Do not apply more than 0.6 lb. A.I. per acre (12 pounds per acre) of Cerano 5 MEG per growing season.

- 4) Pre-harvest intervals: Do not apply later than 120 days before harvesting rice.
- 5) Do not drain fields for a minimum of 14 days after application, unless the water is contained within a tailwater recovery system, or other system appropriate for preventing discharge from rice fields.
- 6) Applications of Cerano 5 MEG herbicide to fields that have been terraced or precision leveled with deep cuts may result in rice crop injury including stand loss. This precaution does not apply to normal maintenance leveling.
- 7) Do not apply where runoff or irrigation water may flow directly onto agricultural land other than rice fields.
- 8) This product is not intended for use in manufacturing or reformulation.
- 9) Do not make applications of Cerano 5 MEG within 50 feet of any sensitive crops.
- 10) Chemigation: Do not apply this product through any type of irrigation system.
- 11) Do not fish or commercially grow fish, shellfish or crustaceans on treated acres during the year of treatment.
- 12) Consult UC Agricultural Extension Specialist or County Farm Advisors before applying Cerano 5 MEG to newly developed rice varieties.
- 13) If temperature is in excess of 98° F for prolonged periods of time, (3 to 4 days), bleaching of rice and stand loss may occur.
- 14) Do not overlap or double apply ends of fields.
- 15) Maintain a static water flood with no exposed soil for a minimum of 5 days after a post-flood application of Cerano.
- 16) Lowering of water to allow exposed soil during the first 14 days following the Cerano application can cause bleaching of rice, possibly resulting in rice stand loss.
- 17) Do not apply sequential applications of other herbicides if rice is bleached or under stress from the use of Cerano 5 MEG.
- 18) Do not apply Cerano 5 MEG to stressed rice.
- 19) To facilitate green-up of bleached rice fields, fields should receive a rapid flush of fresh water. Do not allow exposed soil in bleached fields.
- 20) For proper water circulation, functional water control devices at each end of each levee within a field are recommended.

## DIRECTIONS AND RECOMMENDATIONS FOR POST-FLOODED, PREPLANT USE ON RICE (WATER-SEEDED RICE AT PRE-SEEDING):

For control of watergrass and barnyardgrass, (*Echinochloa* spp.) and sprangletop (*Leptochloa fascicularis*), apply 12 pounds of Cerano 5 MEG per acre to a well-prepared seedbed, free of large clods. See rate exception under DIRECTIONS FOR USE.

Make application immediately after flooding by air or ground and follow with the seeding of rice within 3 days after the Cerano 5 MEG application. Maintain water level in the checks with no exposed soil until the watergrass, barnyardgrass or sprangletop die, or for a minimum of 14 days after application.

Allowing water to recede or a prolonged soil exposure will result in loss of weed control and bleaching of rice. Excessively deep water will result in plant injury. Rice injury and/or stand thinning may be evident, especially when germinating rice is subject to stress conditions. Supplemental herbicide applications may be needed for season-long weed control.

## DIRECTIONS AND RECOMMENDATIONS FOR POST-FLOODED, POST-PLANT USE ON RICE (WATER-SEEDED RICE):

For control of watergrass and barnyardgrass, (*Echinochloa* spp.) 1-leaf or less and sprangletop (*Leptochloa fascicularis*) 1-leaf or less apply 12 pounds of Cerano 5 MEG per acre to a well-prepared seedbed free of large clods. See rate exception under DIRECTIONS FOR USE.

Maintain a shallow flood in the checks after application with no exposed soil, or until watergrass, barnyardgrass and sprangletop die, or for a minimum of 14 days.

Allowing water to recede or prolonged soil exposure will result in loss of weed control and bleaching of rice. Excessively deep floodwater will result in plant injury. Rice injury and/or stand thinning may be evident, especially when germinating rice is subjected to stress conditions. Supplemental herbicide applications may be needed for season-long weed control.

## ROTATIONAL CROP RESTRICTIONS

After application of Cerano 5 MEG, rotational crops may not be planted prior to the intervals specified below:

**Note:** When using Cerano 5 MEG with other registered herbicides always refer to rotational restrictions and precautions on the other product label.

NO RESTRICTION	9 Months
Cotton*	Cotton
Peas	Corn (field, pop, seed, sweet)
Peppers	Cucurbits
Pumpkins (processing)	Dry Beans
Rice	Peanuts
Soybeans	Potatoes
Squash	Snap Beans
Sweet Potatoes	Sorghum
Tobacco	Sugar Beets
Tuberous & Corm Vegetables (Arracacha, Cassava, Tanier, Yam Beans, True Yams)	Tomatoes (Transplanted)

**12 Months:** All crops not listed

Cover crops, however, may be planted anytime but stand reductions may occur in some areas. Do not graze or harvest for food or feed cover crops planted less than 9 months after Cerano 5 MEG treatment.

**\*REQUIREMENTS FOR PLANTING TIME APPLICATIONS:**

If cotton is the rotational crop and is planted within 9 months after the application of Cerano 5 MEG, an organophosphate insecticide either disulfoton or phorate must be applied in-furrow with the seed at planting at a minimum of 0.75 pound per acre of active ingredient. Failure to apply either disulfoton or phorate in accordance with in-furrow label use direction can result in crop phytotoxicity (bleaching) and/or stand reduction. Diuron is not recommended at this planting time application as plant injury may result.

Refer to the insecticide product labels for appropriate in-furrow application directions and maximum use rates. Monitor application equipment to insure accurate and uniform placement of the insecticide.

## REPLANTING INSTRUCTIONS

If initial planting of rice fails to produce a uniform stand, rice may be replanted in fields treated with Cerano 5 MEG. Do not retreat fields with a second application of Cerano 5 MEG. Do not replant treated fields with any crop at intervals that are inconsistent with the ROTATIONAL CROP RESTRICTIONS on this label.

## Dealers Should Sell in Original Packages Only. 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.

The Directions for Use of this product should 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.

**Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the directions under normal conditions of use. FMC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT. Any warranties, express or implied, having been made are inapplicable if this product has been contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) seller or FMC, and buyer assumes the risk of any such use.**

In no event shall FMC or seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF FMC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF FMC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

FMC recommends that the user and/or grower test this product in order to determine its suitability for such intended use. FMC makes this product available to the user and/or grower solely to the extent the benefit and utility, in the sole opinion of the user and/or grower, outweigh the extent of potential injury associated with the use of this product. The decision to use or not to use this product must be made by each individual user and/or grower on the basis of possible injury from Cerano 5 MEG, the severity of weed infestations, the cost of alternate weed controls, and other factors. To the extent permitted by law, because of the risk of crop damage all such use is at the user's and/or grower's risk.

This Conditions of Sale and Limitation of Warranty and Liability may not be amended by any oral or written agreement.

Cerano® is a registered trademark of Wilbur-Ellis Company.

