



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

November 2, 2020

Noelle S. Melton  
Regulatory Affairs Specialist  
Central Garden & Pet Company  
1501 E. Woodfield Road, Suite 200W  
Schaumburg, IL 60173

Subject: Notification per PRN 98-10 – Added the alternate brand name and marketing claim  
Product Name: RF2293 DP MEC  
EPA Registration Number: 89459-115  
Application Date: 02/17/2020  
Decision Number: 564421

Dear Ms. Melton:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The alternate brand name Centynal Synergized Insecticide has been added to the product record.

If you have any questions, you may contact Robert Mitchell at 703-347-0404 or by email at [mitchell.robert@epa.gov](mailto:mitchell.robert@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Elizabeth Fertich".

Elizabeth Fertich  
Product Manager 04  
Invertebrate & Vertebrate Branch 1  
Registration Division (7505P)  
Office of Pesticide Programs

**NOTIFICATION**

89459-115

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

11/02/2020

**RF2293 DP MEC**

Alternate Brand Name: Centynal™ Synergized Insecticide

PROTECTS STORED GRAINS, SEEDS, GRAIN BINS AND WAREHOUSES (INDOOR AND PERIMETER TREATMENTS) AGAINST DAMAGE FROM INDIAN MEAL MOTH, SAW-TOOTHED GRAIN BEETLE, RED FLOUR BEETLE, RICE WEEVIL, MAIZE WEEVIL, AND OTHER LISTED PESTS

- Emulsifiable Concentrate
- May be diluted with water or oil
- Miscible in dust-controlling oils
- May be tank-mixed
- Combination synergist and adulticide
- Residual control
- Kills listed adult insects and exposed larvae
- For use on grains
- For use as an empty bin and perimeter treatment
- Contains an adulticide and synergist
- For use on grains, empty bin and perimeter treatment

**ACTIVE INGREDIENTS:**

Deltamethrin .....	1.2%
Piperonyl butoxide .....	33.3%
<b>OTHER INGREDIENTS:</b> .....	<u>65.5%</u>
Total:	100.0%

- Contains 0.1 lb. deltamethrin per gallon
- Contains 2.67 lb. piperonyl butoxide per gallon

**KEEP OUT OF REACH OF CHILDREN  
WARNING**

See side/back panels for additional Precautionary Statements

EPA Reg. No. 89459-115~~XXX~~  
EPA Est. No.

Batch Code:  
NET CONTENTS: 2.5 gallons

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### WARNING:

May be fatal if swallowed or absorbed through skin. Causes moderate eye irritation. Do not get in eyes, on skin, or on clothing. Wear protective eyewear (goggles, face shield or safety glasses). Wear coveralls, socks, chemical-resistant footwear, and chemical-resistant gloves including barrier laminate or  $\geq 14$  mils nitrile, neoprene, polyvinyl chloride, Viton or butyl rubber. For overhead exposure wear chemical-resistant headgear. When mixing and loading, wear a chemical-resistant apron. When cleaning equipment wear a chemical-resistant apron. 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.

FIRST AID	
If swallowed	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to by a poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
If on skin	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
If in eyes	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-248-7763 for emergency medical treatment information.	

#### ENVIRONMENTAL HAZARDS

This product is extremely toxic to freshwater and estuarine fish and invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters, or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

This pesticide is highly toxic to bees exposed to direct treatment. Do not apply or allow it to drift to crops or weeds on which bees are actively foraging.

## **PHYSICAL AND CHEMICAL HAZARDS**

Do not use water-based sprays of RF2293 DP MEC in conduits, motor housings, junction boxes, switch boxes, or other electrical equipment because of possible shock hazard.

## **DIRECTIONS FOR USE**

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

## **PRODUCT INFORMATION**

RF2293 DP MEC is an emulsifiable concentrate insecticide that contains an adulticide and synergist for use on stored grains and for treating empty bins and warehouses for stored product pest control. RF2293 DP MEC provides effective knockdown and control of listed adults.

## **USE RESTRICTIONS**

Apply this product only as specified on this label.

Do not contaminate food or feedstuffs.

Do not treat entire area of floor.

Do not apply as a space spray.

Do not allow contact to treated areas until spray has dried.

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 treatment area during application. Do not enter or allow others to enter the treated area until vapors, mists, and aerosols have dispersed, and the treated area has been thoroughly ventilated.

Do not apply this product more than once every 30 days.

Do not apply until the location of heating or air conditioning ducts, vents, water and sewer lines and electrical conduits are identified. Once known, applications may be made around these structures, however, avoid contamination of these structures and airways.

Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow this product to enter any drain during or after application.

### **Applications to building foundations (higher than 3’):**

All outdoor applications to impervious surfaces such as sidewalks, driveways, porches, and structural surfaces (such as windows, doors, and eaves) are limited to spot and crack-and-crevice applications only.

Do not water the treated area to the point of runoff.

Do not apply during rain.

## **STORED GRAIN**

Use to control adults and accessible larval stages of listed insect pests including, lesser grain borers, larger grain borers, Angoumois grain moths, Indian meal moths, tobacco moths, Dermestids, and bean weevils; also, to control populations of granary weevils, rice weevils, maize weevils, saw-toothed grain beetles, red flour beetles, and confused flour beetles.

### **Tank-mixing**

RF2293 DP MEC may be tank-mixed with other pesticide products such as Pyronyl™ Crop Spray and or Diacon IGR. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and Directions for Use on all product labels involved in tank-mixing. Users must follow the most restrictive Directions for Use and Precautionary Statements of each product in the tank mixture.

### **Directions for Treatment**

Dilute RF2293 DP MEC with water or approved dust-controlling oils, mineral or soybean oils and apply to the moving grain stream as a coarse spray.

Final spray volume with water solutions is 3-5 gallons of liquid per 1,000 bushels of grain. For rough rice, use 10 gallons of water per 1,000 bushels. Maintain agitation before and during application. Use a mixed dilution within 48 hours of preparing. Re-agitation of spray dilution may be required if left overnight.

For final spray volumes with oil solutions, follow the oil manufacturer's rate recommendations.

For uniform application, treat the grain as it moves into storage. Apply RF2293 DP MEC in solution at the rate of 3 - 5 gallons of dilution per 1,000 bushels to achieve a 0.5 ppm on the commodity. Apply at rates as shown in the tables below:

#### **AMOUNT OF RF2293 DP MEC/1,000 BUSHELS OF GRAIN**

<b>Commodity</b>	<b>TREATMENT AT 0.5 ppm Deltamethrin/14 ppm PBO</b>		<b>Gallons of Diluent</b>	<b>Liters of Diluent</b>
	<b>fl. oz</b>	<b>ml</b>		
Barley	31	916	3 - 5	11.3 - 19
Corn	35.6	1053	3 - 5	11.3 - 19
Oats	20.38	603	3 - 5	11.3 - 19
Popcorn	35.6	1053	3 - 5	11.3 - 19
Rice	28.5	843	10	11.3 - 19
Rye	35.6	1053	3 - 5	11.3 - 19
Sorghum (milo)	31.7	937	3 - 5	11.3 - 19
Wheat	38	1124	3 - 5	11.3 - 19

**AMOUNT OF RF2293 DP MEC/TON OF GRAIN**

Commodity	0.5 ppm Deltamethrin 14 ppm PBO		Ounces of Diluent	Milliliters of Diluent
	fl. oz	ml		
Barley	1.3	38	13 – 21	384 – 630
Corn	1.3	38	13 – 21	384 – 630
Oats	1.3	38	13 – 21	384 – 630
Popcorn	1.3	38	13 – 21	384 – 630
Rice	1.3	38	13 – 21	384 – 630
Rye	1.3	38	13 – 21	384 – 630
Sorghum (milo)	1.3	38	13 – 21	384 – 630
Wheat	1.3	38	13 - 21	384 – 630

**SEED TREATMENT**

Apply RF2293 DP MEC to protect stored grain seed against injury from listed insect pests. Clean and treat seed storage areas prior to storage. If seed is infested, fumigate\*\* to control existing populations and apply RF2293 DP MEC for residual protection. RF2293 DP MEC may also be used in conjunction with registered fungicides or other insecticide seed protectants, to protect barley, corn, oats, popcorn, rice, rye, sorghum and wheat seed during the seed treating process, and prior to bagging or placing in bulk seed storage. When treating seed with other pesticide products, properly tag the treated seed, indicating “Do not use seed for food, feed, or oil purposes.” Seed treated with RF2293 DP MEC alone is considered grain.

\*\*Fumigate with EPA-registered fumigants according to manufacturer’s label recommendations.

**GRAIN BINS AND WAREHOUSES**

Dilute 1 – 6 fl. oz of RF2293 DP MEC with water to make 1 gallon of solution. Before storing or handling grain, apply finished spray to equipment, wall and floor surfaces of grain bins and warehouses at the rate of 1 gallon per 1,000 sq ft but do not allow runoff to occur. Apply after equipment bins and buildings have been thoroughly cleaned. If infestations are severe or there are areas that are difficult to treat with a conventional spray, fumigation is recommended with an EPA-registered fumigant.

Use RF2293 DP MEC as a perimeter treatment to prevent infestation of these structures. Apply to areas where listed pests are seen or may find entrance. Treat a band of soil or grass up to 6-10 feet wide around and adjacent to structures and treat the foundation to a height of 2 to 3 feet. Mix 1 – 6 fl. oz of RF2293 DP MEC with water to make 1 gallon of solution. Apply as a coarse spray at a rate of 1 gallon per 1,000 sq. ft. Wet the barrier area thoroughly and uniformly but do not allow runoff to occur.

### **STORAGE and DISPOSAL:**

Do not contaminate water, food, or feed by storage or disposal. **PESTICIDE STORAGE** – Mix as needed. Store in original container in a secured, dry storage area. Avoid extremes in temperatures. Prevent cross-contamination with other pesticides and fertilizers. If the container is leaking and/or material is spilled, on floor or paved surfaces, absorb on sawdust or other commercially available absorbing material, sweep up and remove to chemical waste area for your disposal. Concentrate is stable at normal storage temperatures. **PESTICIDE DISPOSAL** - Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility. **CONTAINER HANDLING** – Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### **IMPORTANT: READ BEFORE USE**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The Directions for Use of this product are believed to be adequate and must be followed carefully. However, because of manner of use and other factors beyond Central Garden & Pet Company's control, it is impossible for Central Garden & Pet Company to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, CENTRAL GARDEN & PET COMPANY MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Central Garden & Pet Company is authorized to make any warranties beyond those contained herein or to modify the warranties container herein. To the extent consistent with applicable law, Central Garden & Pet Company disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

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[Manufactured for]  
Central Garden & Pet Company  
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For information or in case of an emergency, call 1-800-248-7763.  
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