Centynal EC

INSECTICIDE

PROTECTS STORED GRAINS AND SEEDS AGAINST DAMAGE
FROM INDIAN MEAL MOTH, SAW-TOOTHED GRAIN BEETLE,
RED FLOUR BEETLE, RICE WEEVIL, MAIZE WEEVIL,
AND MANY OTHER LISTED PESTS

- Emulsifiable concentrate
- Residual control of listed pests
- May be diluted with water or oil
- Miscible in dust controlling oils
- May be tank-mixed

ACTIVE INGREDIENT:
Deltamethrin* ........................................... 4.75%
OTHER INGREDIENTS: ............................ 95.25%
TOTAL .................................................. 100.00%
*Contains 0.41 lb deltamethrin per gallon

KEEP OUT OF REACH OF CHILDREN
WARNING
See back panels for additional
Precautionary Statements

NET CONTENTS: 1 GAL (128 FL OZ)
PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS - WARNING: May be fatal if swallowed. Causes substantial but temporary eye injury. Do not get in eyes, on skin or on clothing. Wear protective eyewear (goggles, face shield or safety glasses). 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. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

FIRST AID

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

(continued)
**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:**
- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-246-7735 for emergency medical treatment information.

**ENVIROMENTAL 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 ditches, 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 runoff 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 Centrify® EC insecticide (Centrify® EC) in contact, motor, hosing, 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**
Centrify® EC is an emulsifiable concentrate insecticide for use both indoors and outdoors for effective knockdown and residual control of listed pests. Also for use on stored grains and for treating empty bins and warehouses for stored product pest control. Centrify® EC provides effective knockdown and control of listed adult and larval stages.

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**Mixing Instructions**
- Mix Centrify® EC with water and apply using a high pressure sprayer with a pressure of 30 to 50 psi.

**Dilution Instructions**
- Add 1 cup (403 ml) of water to the spray tank.
- Add Centrify® EC as specified in the appropriate application rates table.
- Agitate well to ensure proper mixing.
- Add the remaining water slowly.

**Water:**
- Re-agitation of spray solution may be required if left overnight. It is recommended that water be used as the diluent for applications in non-commercial treatments. Use a mixed solution within 48 hours of preparing.

**Tank Mixing:**
Centrify® EC may be tank-mixed with other currently registered pesticides unless prohibited by the tank-mix partner label. To check for product compatibility, a small volume mixing test with other products is recommended. The more restrictive label will apply when tank-mixing.

**STORAGE**
For use on control of adult and accessible stages of various listed insect pests including, larvae, grain borers, large grain borers, Anthonomus granipennis, Manduca sexta, Homologus obtectus, and bean weevils. To control populations of granary weevil, rice weevil, azalea weevil, sawtoothed grain beetle, red flour beetles, and confused flour beetles.

**Storage**
In instances of high weed complex pressure or susceptible tolerance, the use of propamocarb thiazide (Propan EC) alone or in a tank mix partner. Use rate of 1.3 parts PFQ to 1 part Centrify® EC. Centrify EC may be tank-mixed with other pesticidal products such as Propan. The more restrictive label will apply when tank-mixing.

**Directions for Treatment**
- Dilute Centrify® EC with water or approved dust controlling oils, mineral or soybean oil and apply to the moving grain stream as a coarse sprays to provide a concentration of 0.5 ppm - 1 ppm

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**AMOUNT OF Centrify® EC / 1,000 BUSHELS OF GRAIN**

<table>
<thead>
<tr>
<th>Commodity</th>
<th>Centrify® EC Treatment at 0.3 ppm</th>
<th>Centrify® EC Treatment at 1 ppm</th>
<th>Gallons/</th>
<th>Liters/</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barley</td>
<td>0.075 ml</td>
<td>0.226</td>
<td>15.50</td>
<td>458</td>
</tr>
<tr>
<td>Corn</td>
<td>0.9 ml</td>
<td>2.66</td>
<td>18</td>
<td>532</td>
</tr>
<tr>
<td>Oats</td>
<td>5.15 ml</td>
<td>1.52</td>
<td>10.30</td>
<td>304</td>
</tr>
<tr>
<td>Popcorn</td>
<td>0.9 ml</td>
<td>2.66</td>
<td>18</td>
<td>532</td>
</tr>
<tr>
<td>Pest</td>
<td>0.72 ml</td>
<td>2.12</td>
<td>14.30</td>
<td>424</td>
</tr>
<tr>
<td>Soy</td>
<td>0.9 ml</td>
<td>2.66</td>
<td>18</td>
<td>532</td>
</tr>
<tr>
<td>Wheat</td>
<td>3.5 ml</td>
<td>10.23</td>
<td>19.20</td>
<td>566</td>
</tr>
</tbody>
</table>
## AMOUNT OF Centynal™ EC / TON OF GRAIN

<table>
<thead>
<tr>
<th>Commodity</th>
<th>Centynal™ EC @ 0.5 ppm</th>
<th>Centynal™ EC @ 1 ppm</th>
<th>Ounces of Diluent</th>
<th>Milliliters of Diluent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barley</td>
<td>0.34 fl oz / 4 ml</td>
<td>0.68 fl oz / 10 ml</td>
<td>13 - 21</td>
<td>384 - 630</td>
</tr>
<tr>
<td>Corn</td>
<td>0.34 fl oz / 4 ml</td>
<td>0.68 fl oz / 10 ml</td>
<td>13 - 21</td>
<td>384 - 630</td>
</tr>
<tr>
<td>Oats</td>
<td>0.34 fl oz / 4 ml</td>
<td>0.68 fl oz / 10 ml</td>
<td>13 - 21</td>
<td>384 - 630</td>
</tr>
<tr>
<td>Popcorn</td>
<td>0.34 fl oz / 4 ml</td>
<td>0.68 fl oz / 10 ml</td>
<td>13 - 21</td>
<td>384 - 630</td>
</tr>
<tr>
<td>Rice</td>
<td>0.34 fl oz / 4 ml</td>
<td>0.68 fl oz / 10 ml</td>
<td>13 - 21</td>
<td>384 - 630</td>
</tr>
<tr>
<td>Rye</td>
<td>0.34 fl oz / 4 ml</td>
<td>0.68 fl oz / 10 ml</td>
<td>13 - 21</td>
<td>384 - 630</td>
</tr>
<tr>
<td>Sorghum (milo)</td>
<td>0.34 fl oz / 4 ml</td>
<td>0.68 fl oz / 10 ml</td>
<td>13 - 21</td>
<td>384 - 630</td>
</tr>
<tr>
<td>Wheat</td>
<td>0.34 fl oz / 4 ml</td>
<td>0.68 fl oz / 10 ml</td>
<td>13 - 21</td>
<td>384 - 630</td>
</tr>
</tbody>
</table>

## SEED TREATMENT

Apply Centynal™ EC to protect stored grain seed against injury from stored grain insects listed.
Clean and treat seed storage areas prior to storage. If seed is infested, fumigate** to control existing populations and apply Centynal™ EC for residual protection. Centynal™ EC may also be used in conjunction with registered fumigicides or other insecticide seed protectants.
To protect barley, corn, oats, popcorn, rice, rye, sorghum and wheat seeds during the seed treating process, and prior to bagging or placing in bulk seed storage at the rate of 0.5 – 1 ppm.
When treating seed with other pesticide products, properly tag the treated seed indicating:
"Do not use the seed for food, feed, or oil purposes." Seed treated with Centynal™ EC alone is considered grain.

**Fumigate with EPA-registered fumigant according to manufacturer's label recommendations.

## GRAIN BINS AND WAREHOUSES

Dilute 0.25 – 1.5 fl oz of Centynal™ EC 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 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 Centynal™ EC 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 turf up to 6 – 10 feet wide around and adjacent to structures and treat the foundation to a height of 2 to 3 feet. Mix 0.25 – 1.5 fl oz of Centynal™ EC with water to make 1 gallon of solution. Apply as a coarse spray at a rate of 1 gallon per 1,000 sq ft. Thoroughly and uniformly wet the barrier area but do not allow runoff to occur.

## PEST CONTROL OUTDOORS

Apply Centynal™ EC as a perimeter treatment, residual spray or broadcast application to lawns, grounds and ornamental plantings. Apply as a perimeter treatment or residual spray around non-residential settings. Begin treatments at the first sighting of listed pests.

**Residual Spray:**
Apply Centynal™ EC as a coarse low-pressure spray diluted in water at the rate of 0.75 to 1.5 fl oz to surfaces of buildings, porches, screens, window frames, eaves, patios, refuse, cumps, garages and lawns.

**Perimeter Treatments:**
For best results, apply Centynal™ EC to areas where listed pests are seen and may find entrance. Treat a band of soil or turf up to 6 – 10 feet wide around and adjacent to buildings and treat the building foundation to a height of 2 to 3 feet. Apply as a coarse spray at the rate of 0.25 to 1.5 fl oz of Centynal™ EC in sufficient amount of water. (See Mixing Directions for Perimeter Application below). Use an adequate volume to thoroughly and uniformly wet the barrier area but do not allow runoff to occur.
### MIXING DIRECTIONS FOR Centynal™ EC OUTDOOR PERIMETER APPLICATION

<table>
<thead>
<tr>
<th>Centynal™ EC DILUTION (0.25 fl oz/1,000 sq ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tank Size</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Finished Spray: Gallons/1,000 sq ft</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>3</td>
</tr>
<tr>
<td>5</td>
</tr>
<tr>
<td>10</td>
</tr>
</tbody>
</table>

*Based on Centynal™ EC applied at 0.25 fl oz per 1,000 sq ft per structure

### 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 DISPOSAL** — 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 to the 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 contained 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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For information or in case of an emergency, call 1-800-248-7763.

Visit our Web site: [www.bugfreegrains.com](http://www.bugfreegrains.com)
ACTIVE INGREDIENT:
Deltamethrin* ........................................ 4.75%
OTHER INGREDIENTS: ............................ 95.25%
TOTAL ............................................. 100.00%
*Contains 0.41 lb deltamethrin per gallon

KEEP OUT OF REACH OF CHILDREN
WARNING
See back panels for additional Precautionary Statements

Manufactured for:
Central Garden & Pet Company
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NET CONTENTS: 1 GAL (128 FL OZ)

5.5" Base Label