



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

February 6, 2018

Cinda Bell
Regulatory Specialist
SciReg Inc.
12733 Directors Loop
Woodbridge, VA 22192

Subject: Notification per PRN 98-10 –Various deletions relating to ingredients and Prop
65 language
Product Name: Crop Guard
EPA Registration Number: 7655-1
Application Date: 10/31/2017
Decision Number: 535595

Dear Cinda:

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 label submitted with the application has been stamped “Notification” and will be placed in our records.

The following alternate brand names have been added to the product record:

DEsect™ Diatomaceous Earth Insecticide
DEsect™ AG
DEsect™ PET
DEsect™ HG
DEsect™ LP
DEsect™
DEsect PET Diatomaceous Earth Insecticide
DEsect HG Diatomaceous Earth Insecticide
DEsect LP Diatomaceous Earth Insecticide
DEsect AG Diatomaceous Earth Insecticide
Insecta-Kill

In addition, this letter serves as notice that the current label contains statements and/or images that were inadvertently approved by the Agency during its previous review. Please submit a revised label amendment addressing the inadvertently approved items below within 60 days of receipt of this letter.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If you have any questions, you may contact Matthew Sellner at 703-347-8034 or via email at sellner.matthew@epa.gov.

Sincerely,



Richard Gebken
Product Manager 10
Invertebrate & Vertebrate Branch 2
Registration Division (7505P)
Office of Pesticide Programs

Bag Front

EP Naturals™

Tag: The Diatomaceous Earth Experts

Crop Guard™

Alternate Brand Names:

- DEsect™ Diatomaceous Earth Insecticide**
- DEsect™ AG**
- DEsect™ PET**
- DEsect™ HG**
- DEsect™ LP**
- DEsect™**
- DEsect PET Diatomaceous Earth Insecticide**
- DEsect HG Diatomaceous Earth Insecticide**
- DEsect LP Diatomaceous Earth Insecticide**
- DEsect AG Diatomaceous Earth Insecticide**

NOTIFICATION

7655-1

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:

02/06/2017

Diatomaceous Earth Insecticide

BIG: High Quality Diatomaceous Earth [the words earth should be as big as DEsect]

[Bug photos: Ants, Cockroaches]

- . Kills ants, cockroaches, and other insects.
- . For use on crops, orchards, gardens & plants.
- . For use in homes, apartment buildings, hotels, farms, ranches, animal stalls, animal bedding, stored grains, and insulation.
- . Aids in the control of fleas, ticks, mites and other pests on pets, poultry and livestock.
- . Odorless, non-staining.

OMRI logo: ~~OMRI Listed, For Organic Production & Gardening~~

INGREDIENTS

Active Ingredients

Silicon Dioxide from diatomaceous earth.....	85%
Other Elemental Oxides.....	10%
Moisture.....	<u>5%</u>
Total.....	100%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See back panel for additional Precautionary Statements and Directions for Use

www.epminerals.com

Net Contents: 4 lbs. (1.8 kg), 20 lbs., 25 lbs. and 50 lbs.

Bag Back

Crop Guard™

Crop Guard™ [\[diatomaceous earth insecticide\]](#) physically abrades & absorbs the exterior protective waxy cuticle layer of the insect, resulting in rapid death by dehydration. Insects cannot become immune to its action.

FIRST AID

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.

If Inhaled:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably 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 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 further treatment advice.

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

Precautionary Statements

Hazards to Humans and Domestic Animals

Hazards to Humans:

Caution: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling. Use adequate ventilation and avoid breathing dust. Wear a suitable dust mask when using this product during prolonged exposure. Respirators fitted with filters certified to standard 42 CFR 84 as meeting N95 efficiency are suitable.

Hazards to Domestic Animals:

USE ONLY ON DOGS AND CATS. Do not use on dogs and cats under 12 weeks old. Consult a veterinarian before using this product on debilitated, aged, pregnant, nursing, or medicated animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur, bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately.

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.

Personal Protective Equipment (PPE)

Mixers, loaders, applicators, and other handlers must wear the following:

- long-sleeve shirt,
- long pants,
- shoes and socks
- Wear a suitable dust mask approved by NIOSH/MSHA

User Safety Requirements

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent material that have been heavily contaminated with the product. Do not reuse them. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Non-Agricultural Use Requirements

Only protected handlers may be in the area during application.
Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Environmental Hazards

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

READ ENTIRE LABEL BEFORE EACH USE

Directions for Use

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

Crop Guard™ kills Roaches, Slugs, Ants, Earwigs, Grasshoppers, Crickets, Silverfish, Millipedes, Centipedes, Sow bugs, Pill Bugs, Lice, Mites, Box Elder Bugs and Carpet Beetles. Crop Guard™ is also effective against Fleas, Ticks, Aphids, Snails, and Japanese Beetles. Crop Guard™ is an effective insecticide for killing stored grain insects such as Rice Weevils, Granary Weevils, Angoumois Grain Moths, Mediterranean Flour Moths, Indian Meal Moths, Red Flour Beetles and Tribolium.

Crop Use: Crop Guard™ is an effective insecticide for crops and orchards. Apply with manual or powered dry dusting applicators or solution application through industrial spray equipment. Starting point for spray solution is approximately 1 lb/gallon of water (can be varied depending on equipment application rate capability). Minimum application rate is 1 lb/1000 ft² (or approximately 50 lbs/acre). Higher concentrations may be necessary to ensure necessary coverage. Application should result in a thin layer of Crop Guard™ covering plants. DEsect adheres well to plant surfaces, however, repeat applications may be necessary following extreme wind and/or rain events.

Indoor Use: Apply using a squeeze bottle duster, bulb puffer type duster, or hand held shaker duster, at a rate of 1-2 lbs/1000 ft². Apply thin layer of dust to baseboards, corners, crevices, outlets, attics, crawl spaces, closets, wall voids, etc. to ensure a continuous perimeter around home, structure and/or rooms.

Outdoor Use (Home, Garden, Farm, Ranch): Apply using manual hand held shaker, bulb, bellows, or piston type manual or powered dry dust applicators, or solution application through garden or industrial spray equipment at a rate of 2-5 lbs/1000 ft². Starting point for spray solution is approximately 1 lb Crop Guard™/gallon of water. For Homes, Farm and Ranch, apply powder or solution in all areas where insects are found including door frames, window sills, outside entry ways, barns, stalls, and other outdoor structures.

Garden & Plants: Apply dust or solution to entire plant and around the base of plants.

Fruit Trees: Apply dust or solution to leaves and put a perimeter of dust around the trees.

Stored Grains and Other Commodities:

Crop Guard™ can be used with feed grains, seed, stored grains and other raw agricultural products (barley, buckwheat, corn, oats, rice, rye, sorghum, wheat, flax, peas, soybeans, peanuts, popcorn, cocoa beans and mixtures of these grains). Crop Guard™ is an effective insecticide for killing insects such as Rice Weevils, Granary Weevils, Angoumois Grain Moths, Mediterranean Flour Moths, Indian Meal Moths, Red Flour Beetles and Tribolium in empty bins, warehouses, boxcars, containers, ships and silos. Moisture content of grain should be regulated to less than 12% for effective insect control. Crop Guard™ can be applied to the grain or other agricultural products at the time of storage and should be added at a point where sufficient blending can occur. Crop Guard™ can be applied at a rate of 1 to 7 pounds per

ton and can be mixed throughout the entire grain mass, or used as a top and/or bottom dressing. Uniformity of blend is important for efficient pest control. For dressings, treat the top and bottom 3-4 feet of the bin. Apply Crop Guard™ at the recommended rate since treated grain may have reduced flowability.

Stored Grain Surface Application: Apply Crop Guard™ at a rate of 4 pounds per 1000 square feet of surface area over the top of the grain bed. If surface is disturbed so that protective barrier is breached, reapply Crop Guard™ at a rate of 4 pounds per 1000 square feet.

Empty Storage Area Treatment:

Crop Guard™ should be dusted lightly, at an approximate rate of 1-2 lbs per 1000 ft² on all interior wall and floor surfaces of empty storage areas. Pay special attention to those areas of harborage for insects (cracks and crevices).

Grain Quality: USDA directive 918.49 advises that grain properly identified as containing Crop Guard™ will not be downgraded solely based on diatomite content. Refer to the USDA Directive for proper identification and grading procedures.

Insulation:

Crop Guard™ can be mixed with cellulose insulation to aid in the control of insects. Mix 1 lb. of Crop Guard™ with 20-25 lbs. of cellulose insulation while blowing the insulation material into treatment site. Crop Guard™ may also be applied at 1-2 lbs/1000 ft² into insulated wall cavities, crawl spaces & attics with a manual or powered duster.

Dogs and Cats:

Aides in the Control of Fleas, Ticks, Lice & Mites:

USE ONLY ON DOGS AND CATS:

Apply Crop Guard™ thoroughly into animal's fur using a squeeze bottle or bulb type puffing duster. Brush the animal's hair backwards with hand or brush, while puffing the dust at the base of the hair. Application over the entire animal is necessary. Be sure to carefully apply to head to avoid contact with eyes and inside ears. Wipe excess off with a damp cloth being careful not to remove product that is near the animal's skin and in contact with insects. Reapply weekly for a period of 30-45 days (to ensure insect life cycle is broken). Observe for signs of sensitivity, such as drying skin or rash (not common). If pet exhibits signs of sensitivity, product can be removed by bathing.

Application to Dog or Cat Areas:

Treat floor and bedding in and around pet's sleeping quarters including baseboards, carpeting and wherever insects are suspected.

Carpet Application: Apply to carpet at a rate of 1-2 lbs per 1000 ft². Sprinkle lightly over carpet and work into nap with broom or carpet rake. Vacuum carpet every week and reapply until insect life cycle is broken (approximately 30-45 days).

Use on Livestock and Poultry

Aids in the control of fleas, ticks, mites and other pests on poultry and livestock

Livestock: Apply Crop Guard™ thoroughly over animal using a handheld manual or power duster. Be sure to carefully apply to head avoiding contact with eyes and inside ears. Crop Guard™ may also be added to tightly woven burlap sacks that can be hung in an accessible area, where animals can rub and self-dust themselves. Apply around barn, stables, holding areas, bedding and manure piles following Outdoor Use instructions. Reapply after mucking the barn and stalls, and as necessary to control the above listed pests.

Poultry: Apply Crop Guard™ to fowl coops, roosts, nesting boxes, dusting boxes and pens following Outdoor Use instructions. Apply light dusting to fowl feathers using a handheld manual or power duster. Be careful to avoid application to head and eyes. Reapply as necessary to control the above listed pests.

Storage and Disposal

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

Pesticide Storage: Store in a cool, dry place.

Pesticide Disposal and Container Handling: Non refillable container. Do not reuse or refill this container. **If empty:** Place in trash can or offer for recycling, if available. **If partly filled:** Call your local solid waste agency for disposal instructions.

~~Consists of amorphous diatomaceous earth and crystalline silica in varying amounts (typically less than 1%).~~

~~[CA Prop 65 Statement Warning: This product contains crystalline silica, a chemical know to the State of California to cause cancer.]~~

To the extent consistent with applicable law, manufacturer makes no warranty, expressed or implied, regarding the performance of this product in the absence of control over how it is used.

EP Naturals, a division of EP Minerals, LLC.

Manufactured by:

EP Naturals (logo)

P.O. Box 12130, Reno, NV 89510

EPA REG. No 7655-1

EPA EST. No. 7655-NV-001

Batch code: _____

Product of USA