



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

September 12, 2024

SENT BY EMAIL

Anna Hale
ahale@drexchem.com
DREXEL CHEMICAL COMPANY

Subject: Labeling Notification per Pesticide Registration Notice (PRN) 98-10 - Addition of optional referral statement, revised storage and disposal statement, and other minor edits
Product Name: DREXEL CARBARYL 5% BAIT
Admin Number: 19713-627
EPA Receipt Date: 07/10/2024
Action Case Number: 00620143

Dear Anna Hale:

The U.S. Environmental Protection Agency is in receipt of your application for notification under Pesticide Registration Notice 98-10 for the above referenced product. The EPA 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 labeling submitted with this application has been stamped "Notification" and will be placed in our records.

Should you wish to add/retain a reference to your 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 EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the 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 EPA find or if it is brought to our attention that a website contains statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

If you have questions, please contact David Gardner via email at gardner.david@epa.gov.

Sincerely,

Kable Bo Davis

Kable Bo Davis, Senior Advisor
IVB 2, RD
Office of Pesticide Programs

NOTIFICATION

19713-627

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:

09/12/2024

CARBARYL

GROUP

1A

INSECTICIDE



Drexel®

Carbaryl 5% Bait

Insecticide

For the control of Cutworms, Armyworms, Darkling beetles, Field crickets, Grasshoppers, House crickets, Mole crickets, Sowbugs and Ants (except Carpenter ants, Fire ants, Harvester ants and Pharaoh ants).

ACTIVE INGREDIENT:

Carbaryl (1-naphthyl N-methylcarbamate)..... 5.0%

OTHER INGREDIENTS..... 95.0%

TOTAL..... 100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See FIRST AID Below

[See Side (Back) Panel for "FIRST AID"; See Page ____ for "FIRST AID"]

[See Attached Booklet for Complete Directions for Use]

ATTENTION: This product contains a chemical known to the State of California to cause cancer and reproductive harm in laboratory animals.

EPA Reg. No. 19713-627

EPA Est. No. 19713-TN-6

Net Contents:

[40 Lbs.] [Lbs.]

FIRST AID

This product is an N-methyl carbamate that inhibits cholinesterase.

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 ON SKIN OR CLOTHING:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 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 to 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.

Have the container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378. You may also call CHEMTREC at 800-424-9300 for emergency medical treatment information.

NOTE TO PHYSICIAN: Carbaryl is an N-methyl carbamate that inhibits cholinesterase. Atropine is antidotal. Do not use 2-PAM (pyridine-2-aldoxime methiodide), opiates or cholinesterase inhibiting drugs. Probable mucosal damage may contraindicate the use of gastric lavage.

Manufactured By:



Drexel Chemical Company

P.O. Box 13327, Memphis, TN 38113-0327

SINCE 1972

The DREXEL logo is a registered trademark of Drexel Chemical Company.

627SP-0724*P

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed or if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are natural rubber, polyethylene or neoprene. If you want more options, follow the instructions for Category A on an EPA chemical-resistance category selection chart.

Loaders, applicators and other handlers must wear: Long-sleeved shirt and long pants, chemical-resistant gloves and shoes plus socks. In addition, handlers loading baits into airplanes under the auspices of the Animal Plant Health Inspection Service (APHIS) Rangeland Grasshopper and Mormon Cricket Suppression Program and allied state programs must wear a NIOSH-approved dust/mist filtering respirator with NIOSH/MSHA approval number prefix TC-21C or a NIOSH-approved respirator with any N, R, P or HE filter.

Aerial application is prohibited, except for the aerial applications under the auspices of the Animal Plant Health Inspection Service (APHIS) Rangeland Grasshopper and Mormon Cricket Suppression Program and/or allied state programs.

See "**ENGINEERING CONTROLS**" for additional requirements and exceptions.

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.

ENGINEERING CONTROLS

Pilots applying applications under the auspices of the Animal Plant Health Inspection Service (APHIS) Rangeland Grasshopper and Mormon Cricket Suppression Program or related state programs must use an enclosed cockpit in a manner that is consistent with the WPS for Agricultural Pesticides [40 CFR 170.240(d)(6)]. In addition, the cockpit air intake must be located above the bait release point and the bait bin must be completely separate from the cockpit.

Flaggers supporting aerial applications permitted above must use an enclosed cab that meets the definition in the WPS for Agricultural Pesticides [40 CFR 170.240(d)(5)] for dermal protection. In addition, flaggers must:

- wear long-sleeved shirt, long pants, shoes and socks,
- either wear a NIOSH-approved dust/mist filtering respirator with NIOSH/MSHA approval number prefix TC-21 or a NIOSH-approved respirator with any N, R, P or HE filter or use an enclosed cab that is declared in writing by the manufacturer or by a government agency to provide at least as much respiratory protection as this type of respirator,
- be provided and have immediately available for use in an emergency when they must exit the cab in the treated area: chemical-resistant gloves and chemical-resistant headgear and, if using an enclosed cab that provides respiratory protection, a respirator of the type specified above,
- take off any PPE that was worn in the treated area before reentering the cab and
- store all such PPE in a chemical-resistant container, such as a plastic bag, to prevent contamination of the inside of the cab.

When applicators use enclosed cabs in a manner that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240(d)(5)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) Remove PPE immediately after handling this product. Wash the outside of the gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to aquatic invertebrates. 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. Do not apply when weather conditions favor drift from the area treated. Drift and runoff may kill aquatic invertebrates in water adjacent to treated areas.

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 48 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden will help to prevent run off to water bodies or drainage systems.

Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

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.

Do not apply this product in Hawaii.

Use on rice is prohibited.

Maximum annual amount for turfgrass is 10 lb. a.i./acre/year.

ENDANGERED AND THREATENED SPECIES PROTECTION REQUIREMENTS: Before using this product, you must obtain any applicable Endangered Species Protection Bulletins ("Bulletins") within six months prior to or on the day of application. To obtain Bulletins, go to Bulletins Live! Two (BLT) at <https://www.epa.gov/pesticides/bulletins>. When using this product, you must follow all directions and restrictions contained in any applicable Bulletin(s) for the area where you are applying the product, including any restrictions on application timing if applicable. It is a violation of Federal law to use this product in a manner inconsistent with its labeling, including this labeling instruction to follow all directions and restrictions contained in any applicable Bulletin(s). For general questions or technical help, call 1-844-447-3813, or email ESPP@epa.gov.

REPORTING ECOLOGICAL INCIDENTS: For guidance on reporting ecological incidents, including death, injury, or harm to plants and animals, including bees and other non-target insects, see EPA's Pesticide Incident Reporting website: <https://www.epa.gov/pesticide-incidents> or call 901-774-4370.

Do not apply during rain. Do not apply when soil in the area to be treated is saturated (if there is standing water on the field or if water can be squeezed from soil) or if NOAA/National Weather Service predicts a total rainfall of 1 inch or greater over the 48 hours following the day of application, only considering a 48-hour period when, at any point during the 48-hour period, the precipitation potential is 50% or greater. Detailed National Weather Service forecasts for local weather conditions should be obtained on-line at: www.weather.gov or by contacting your local National Weather Service Forecasting Office.

Do not apply within 25 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, permanent streams or ephemeral streams when water is present, wetlands or natural ponds, estuaries, and commercial fish farm ponds).

All outdoor applications, unless permitted elsewhere on this label, must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:

1. Applications to soil, lawn, turf, or vegetation;
 2. Perimeter band treatments of 6 ft wide or less from the base of a man-made structure to pervious surfaces (e.g., soil, mulch, or lawn);
 3. Applications around potential exterior pest entry points into man-made structures such as doorways and windows, when limited to a band not to exceed one inch;
 4. Applications to vertical surfaces directly above pervious surfaces, such as bare soil, lawn, turf, mulch or other vegetation, that do not drain into ditches, storm drains, gutters, or surface waters.
- Treat surfaces to ensure thorough coverage but avoid runoff.
 - To treat insects harbored in voids and cracks-and-crevices, applications must be made in such a manner to limit dripping and avoid runoff onto untreated structural surfaces and plants.
 - Spot treatments must not exceed two square feet in size (for example, 2 ft. by 1 ft. or 4 ft. by 0.5 ft.).
 - Do not spray the product into fish pools, ponds, streams, or lakes. Do not apply directly to sewers or storm drains, or to any area like a drain or gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur.
 - Do not allow the product to enter any drain during or after application.
 - Do not apply directly to impervious horizontal surfaces such as sidewalks, driveways, and patios except as a spot or crack-and-crevice treatment.
 - Do not apply to vertical surfaces directly above pervious or impervious surfaces that drain into ditches, storm drains, gutters, or surface waters.
 - Do not apply or irrigate to the point of runoff.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard (WPS), 40 CFR Part 170. This standard contains the 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), restricted-entry interval (REI) and notification to workers. The requirements in this box only apply to uses of this product that are covered in the WPS.

Do not enter or allow worker entry into treated areas during the REI. The REI for Carbaryl is 12 hours unless otherwise specified in the directions for use associated with each crop.

PPE required for early entry to treated areas that is permitted under the WPS and that involves contact with anything that has been treated such as plants, soil or water is: Coveralls over long-sleeved shirt and short pants, chemical-resistant gloves made of any waterproof material, chemical-resistant footwear plus socks, chemical-resistant headgear if overhead exposure.

When the REI for a crop is 7 days or longer, you must notify workers of the application by warning them orally and by posting warning signs at entrances to treated area.

USE INFORMATION

CARBARYL 5% BAIT is used for the control of Cutworms, Armyworms, Darkling beetles, Field crickets, Grasshoppers, House crickets, Mole crickets, Sowbugs and Ants (except Carpenter ants, Fire ants, Harvester ants and Pharaoh ants).

RESISTANCE MANAGEMENT

CARBARYL	GROUP	1A	INSECTICIDE
----------	-------	----	-------------

This product contains a Group 1A insecticide. Insect biotypes with acquired resistance to Group 1A may eventually dominate the insect population if Group 1A insecticides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by this product or other Group 1A insecticides. To delay insecticide resistance, consider:

- Avoiding the consecutive use of this product or other Group 1A insecticides that have similar target site of action on the same insect species.
- Using tank-mixtures or pre-mixes with insecticides from a different target site action Group as long as the involved products are all registered for the same use and have different sites of action.
- Basing insecticide use on a comprehensive IPM program.
- Monitoring treated insect populations for loss of field efficacy.
- Contacting your local extension specialist, certified crop advisors and/or manufacturer for insecticide resistance management and/or IPM recommendations for specific site and resistant pest problems.

IMPORTANT PRE-HARVEST AND GRAZING INFORMATION

Tolerances established under the Federal Food, Drug and Cosmetic Act permit the sale of crops bearing probable Carbaryl residues when Carbaryl is used in accordance with the label directions.

If Carbaryl is used in accordance with label directions, Carrot tops, Corn forage and Sugar beet tops may be grazed or harvested for use as feed for Dairy and Meat animals without resulting in illegal residues in Milk or Meat.

METHOD OF APPLICATION

This product must be applied only by ground using a mechanical spreader or underground shank applicator. DO NOT apply by hand, spoon, belly grinder, backpack spreader, shaker can, power backpack sprayers, tree injection and ALL handheld foggers. Do not apply by air for all uses except for USDA APHIS and affiliated State grasshopper and Mormon cricket suppression programs.

CROP	SPECIFIC USE INSTRUCTIONS/RESTRICTIONS
Asparagus	Application to Spears: Apply 20 pounds per acre per application. Maximum yearly usage is 60 pounds per acre. Application to Ferns (after harvest of spears): Apply 40 pounds per acre per application. Maximum yearly usage is 80 pounds per acre. Use Restrictions: Total combined maximum application for spears and ferns is 100 pounds per acre per year. Minimum retreatment interval is 7 days. Do not apply within 1 day of harvest. Do not apply more than 4 times per year.
ALL MEMBERS OF ROOT AND TUBER VEGETABLE GROUP, Crop Group 1, (except sugar beets and sweet potatoes) including: Arracacha; arrowroot; artichoke, Chinese; artichoke, Jerusalem; beet, garden; burdock, edible; canna, edible; carrot; cassava, bitter and sweet; celeriac; chayote (root); chervil, turnip-rooted; chicory; chufa; dasheen (taro); ginger; ginseng; horseradish; leren; pars-ley, turnip-rooted; parsnip; potato; radish; radish, oriental; rutabaga; salsify; salsify, black; salsify, Spanish; skirret; tanier; turmeric; turnip; yam bean; yam, true.	Apply 40 pounds per acre per application. Maximum yearly usage is 120 pounds per acre. Use Restrictions: Minimum retreatment interval is 7 days. Do not apply within 7 days of harvest. Do not apply more than 3 times per year.
Garden beets (Tops), Turnips (Tops)	Apply 40 pounds per acre per application. Maximum yearly usage is 120 pounds per acre. Use Restrictions: Minimum retreatment interval is 7 days. Do not apply within 14 days of harvest. Do not apply more than 3 times per year.
All members of the Head and Stem Brassica vegetables Subgroup 5A including: Broccoli, Brussels sprouts, Cabbage, Cauliflower, Cavalo broccolo, Chinese broccoli (Gai lan), Chinese cabbage (Napa), Chinese mustard cabbage (Gai choy), Kohlrabi	Apply 40 pounds per acre per application. Maximum yearly usage is 120 pounds per acre. Use Restrictions: Apply only within 30 days of crop emergence or transplanting. Minimum retreatment interval is 7 days. Do not apply within 3 days of harvest. Do not apply more than 3 times per year.
All members of the Brassica leafy vegetables Subgroup 5B: Chinese cabbage (Bok choy), Collards, Kale, Mizuna, Mustard greens, Mustard spinach, Rape greens, Turnip greens	Apply 40 pounds per acre per application. Maximum yearly usage is 120 pounds per acre. Use Restrictions: Apply only within 30 days of crop emergence or transplanting. Minimum retreatment interval is 7 days. Do not apply within 14 days of harvest. Do not apply more than 3 times per year.
Corn (Field, Pop) (REI = 24 hrs.)*	Apply 40 pounds per acre per application (2 lb. a.i./application). Maximum yearly usage is 160 pounds per acre (8 lb. a.i./acre/year). Do not exceed 8 pounds/a.i./acre/year. Use Restrictions: Minimum retreatment interval is 14 days. Do not apply within 14 days of harvest of forage or silage. Do not apply more than 48 days of harvest of grain or fodder. Do not apply more than 4 times per year. * REI is 24 hours. Exception: The REI is 21 days for workers detasselling Corn. Hand harvesting is prohibited.
Corn (Sweet) (REI = 24 hrs.)*	Apply 40 pounds per acre per application (2 lb. a.i./application). Maximum yearly usage is 160 pounds per acre. (8 lb. a.i./acre/year). Do not exceed 8 pounds/a.i./acre/year. Use Restrictions: Minimum retreatment interval is 3 days. Do not apply within 2 days of harvest of ears. Do not apply within 14 days of harvest of forage. Do not apply more than 48 days of harvest of fodder. Do not apply more than 4 times per year. * REI is 24 hours. Exception: The REI is 21 days for workers detasselling Corn. Hand harvesting is prohibited.
All members of the Cucurbit Vegetable Group 9 including: Chayote (Fruit), Chinese waxgourd, Citron melon, Cucumber, Gherkin, Gourd (Edible), Momordica spp. (includes Balsam apple, Balsam pear, Bitter melon, Chinese cucumber), Melons, Pumpkin, Squash (includes Summer types such as Crookneck, Scallop, Straightneck, Vegetable marrow, Zucchini and Winter types such as Acorn, Butternut, Calabaza, Cushaw, Hubbard, Spaghetti squash)	Apply 20 pounds per acre per application (1 lb. a.i./acre). Maximum yearly usage is 80 pounds per acre (4 lb. a.i./acre/year). Use Restrictions: Minimum retreatment interval is 7 days. Do not apply within 3 days of harvest. Do not apply more than 4 times per year.
Pistachios (Non-bearing trees only)	Apply 40 pounds per acre per application. Maximum yearly usage is 200 pounds per acre. If weed or cover crop blooms are present, mow orchard or between rows prior to applying this product. Use Restrictions: Minimum retreatment interval is 7 days. Use only on trees that will not bear fruit for 1 year from date of application.

Potatoes	Apply 40 pounds per acre per application. Maximum yearly usage is 120 pounds per acre.
	Use Restrictions: Minimum retreatment interval is 7 days. Do not apply within 7 days of harvest. Do not apply more than 3 times per year.
Sugar beets	Apply 30 pounds per acre per application. Maximum yearly usage is 60 pounds per acre.
	Use Restrictions: Minimum retreatment interval is 14 days. Do not apply within 28 days of harvest of roots or forage. Do not apply more than 2 times per year.
All members of the Fruiting Vegetable Group 8 including: Eggplant, Groundcherry, Pepinos, Peppers, Tomatillo, Tomato	Apply 40 pounds per acre per application. Maximum yearly usage is 160 pounds per acre.
	Use Restrictions: Minimum retreatment interval is 7 days. Do not apply within 3 days of harvest. Do not apply more than 4 times per year.
Pasture and Grasses grown for Hay or Seed	Apply 30 pounds per acre per application. Maximum yearly usage is 60 pounds per acre.
	Use Restrictions: Minimum retreatment interval is 14 days. Do not apply within 7 days of harvest or grazing. Do not apply more than 2 times per year.
Rangeland	USDA APHIS REDUCED AREA AND AGENT TREATMENTS (RAATS): The RAATs approach takes advantage of grasshopper movement to allow Drexel Carbaryl 5% Bait to be applied at reduced rates on a reduced treated area while maintaining acceptable protection against grasshopper. Under this program, Drexel Carbaryl 5% Bait may be applied to as little as 50% of the infested area (treating a 100 ft. swath, skipping a 100 ft. swath), up to 100% of infested area. The amount of area treated will depend on grasshopper age, density and plant canopy. By leaving untreated swaths, the RAATs program provides reserves for natural biological control agents. This strategy fully utilizes an Integrated Pest Management approach for grasshopper. Apply 20 pounds per acre by ground application. Do not apply more than once per year. For Aerial application, apply 4 pounds per acre per application. Maximum yearly usage is 8 pounds per acre on 50 – 100% of infested area for grasshopper nymphs between the 2nd and 5th instar. Minimum retreatment interval is 14 days. Do not apply more than 2 times per year. The rate to use per acre will depend on grasshopper age, population density, and plant canopy. Use the higher rates on more mature grasshoppers, severe infestations and dense vegetation. Use the lower rates on younger grasshoppers, light to moderate infestations and sparse vegetation. Consult with the local grasshopper control experts in your area for the proper rate and swath width to use under your conditions. Use of flaky cereal grain bait for aerial application is prohibited.

STORAGE AND DISPOSAL

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

STORAGE: Store in original container only and keep sealed. Store in a cool, dry and closed storage area. Keep container tightly closed when not in use. Reduce stacking height where local conditions such as humidity or pallet overhang can affect package strength. Observe precautions when moving, opening, pouring or closing.

PESTICIDE DISPOSAL: Wastes resulting from the 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. Completely empty bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. When empty, Offer offer for recycling, if available. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

WARRANTY—CONDITIONS OF SALE

OUR DIRECTIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically directed and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with the directions given herewith. To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with the directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

The DREXEL logo is a registered trademark of Drexel Chemical Company.