

APR -7 1993

Ms. Barbara Brown
Drexel Chemical Company
P.O. Box 9306
Memphis, TN 38109

Dear Ms. Brown:

Subject: Revised labeling
Drexel Carbaryl 10D
EPA Reg. No. 19713-212
Your submission dated February 9, 1993

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below:

1. Add a 7-day preharvest interval for grapes.
2. Revise the first sentence under Statement of Practical Treatment for oral exposure to read as follows: "IF SWALLOWED: Drink 1 to 2 glasses of water and induce vomiting....."

Five (5) copies the final printed labeling must be submitted prior to releasing the product for shipment bearing the amended labeling. A stamped copy of the label is enclosed for your records.

Sincerely yours,

DHE

Denris H. Edwards, Jr.
Product Manager (19)
Insecticide Rodenticide Branch
Registration Division (H7505C)

DREXEL

ACCEPTED
with COMMENTS
in EPA Letter Dated

CARBARYL 10D

APR - 7 1993

(10% SevinR Dust)

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
19713-212

A Dusting Powder for Control of Insect Pests

ACTIVE INGREDIENT:

Carbaryl (1-Naphthyl N-methylcarbamate) 10%

INERT INGREDIENT: 90%

TOTAL 100%

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KEEP OUT OF REACH OF CHILDREN

CAUTION

EPA REG NO: 19713-212
EPA EST NO: 19713-TN-1
1/20/93

DREXEL CHEMICAL COMPANY
P.O. BOX 9306
MEMPHIS, TN 38109

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: May be harmful if swallowed. Avoid breathing dust. Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling. Do not use this product in commercial food areas or food handling establishments, restaurants, or other places where food is prepared or processed.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Induce vomiting by placing finger on back of throat. Call a physician. Never give anything by mouth to an unconscious person!

IF ON SKIN: Remove contaminated clothing and wash skin with soap and plenty of water. If irritation develops, get medical attention.

IF IN EYES: Immediately flush eyes with plenty of water. If irritation develops, get medical attention.

NOTE TO PHYSICIAN: Carbaryl is a moderate, reversible, cholinesterase inhibitor. Atropine is antidotal. DO NOT use 2-PAM, opiates, or cholinesterase inhibiting drugs.

DIRECTIONS FOR USE

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

CAUTION - Some phytotoxicity may occur on tender foliage in the presence of rain and/or high humidity of several days duration following application. Application should begin when insects or damage is first observed and repeat at 5 to 7 day intervals for satisfactory control of insect pest. Subsequent planting of food and feed crops in treated soil must be made with crops on this or other Carbaryl labels.

VEGETABLES

BEANS: To control Mexican Bean Beetle, Bean Leaf Beetle, Cucumber Beetle, Leafhoppers, Flea Beetles, Japanese Beetle, and Corn Earworm - Use 10 pounds per acre or 1/2 ounce per 50 feet of row. Where Mexican Bean Beetle is the only problem, 5 pounds per acre will be sufficient. To control Lygus Bug, Stink Bug, Lima Bean Pod Borer - Apply 20 pounds per acre.

CABBAGE, BROCCOLI, BRUSSELS SPROUT, CAULIFLOWER, KOHLRABI: To control Flea Beetle, Harlequin Bug - Apply 5 to 10 pounds per acre. To control Corn Earworm, Armyworm, Imported Cabbageworm, Diamond-Back Moth Larvae - Use 10 to 15 pounds per acre, or 1/2 to 1 ounce to 50 feet of row. Will not control Cabbage Looper. Do not apply within 3 days of harvest.

COLLARDS, GARDEN BEETS, KALE, LETTUCE, MUSTARD GREENS, RADISHES, RUTABAGAS, SPINACH, TURNIPS: To control Flea Beetles, Harlequin Bug, Leafhoppers - Use 5 to 10 pounds per acre. For Armyworm, Imported Cabbageworm, Diamond-Back Moth Larvae, Corn Earworm, Tarnished Plant Bug, Stink Bugs - Use 10 to 20 pounds per acre, or 1/2 to 1 ounce to 50 feet of row. For best control of Corn Earworm on lettuce forming heads, use 20 pounds per acre at 5 to 7 day intervals. Will not control Cabbage Looper. Do not apply within 14 days of harvest.

CUCUMBER, SQUASH, CANTELOUPE, PUMPKIN, MELONS: To control Pickleworm, Melonworm, Cucumber Beetles, Squash Bug, Flea Beetles - Use 10 pounds per acre, or 1/2 ounce per 50 feet of row.

CORN (Sweet/Field): To control Corn Earworm, European Corn Borer, Fall Armyworm, Sap Beetles, Japanese Beetle - Use 15 to 20 pound per acre, or 1 ounce per 50 feet of row. For Budworm damage in the whorl, apply to entire plant and repeat as needed. For ear and silk attacking insects, apply at 2 to 3 day intervals starting when silks appear, continue until silks begin to dry. Three or four applications may be needed depending on severity of infestation. Application of this product to tassels (silks) will seriously reduce bee population.

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CARROTS: To control *Flea Beetles, Leafhoppers, Spittlebugs, Lygus, Stink Bugs* - Use 10 to 20 pounds per acre, or 1/2 to 1 ounce per 50 feet of row.

TOMATO, EGGPLANT, PEPPERS: To control *Tomato Fruitworm, Fall Armyworm, Flea Beetles, Leafhoppers* - Use 10 pounds per acre, or 1/2 ounce per 50 feet of row. For control of *Tomato Hornworm, European Corn Borer, Stink Bug* - Use 10 to 20 pounds per acre.

POTATO: To control *Colorado Potato Beetle* - Use 5 pounds per acre. For control of *Leafhoppers, Flea Beetles* - Use 10 pounds per acre. For *Lygus Bugs* - Use 20 pounds per acre.

OKRA: To control *Corn Earworm, Stink Bugs* - Use 10 to 20 pounds per acre, or 1/2 to 1 ounce per 50 feet of row.

SMALL FRUIT

BLACKBERRIES, BOYSENBERRIES, DEWBERRIES, LOGANBERRIES, RASPBERRIES: To control *Japanese Beetle, Leaf Rollers, Leafhoppers, Raspberry Aphid* - Use 20 pounds per acre. Do not apply within 7 days of harvest.

BLUEBERRIES: To control *Blueberry Maggot, Cherry and Cranberry Fruitworm, Japanese Beetle* - Use 30 pounds per acre. Apply 3 weeks prior to harvest, repeat 10 days later as needed.

GRAPES: To control *Grape Leaf Folder, Grape Leafhopper, Grape Leaf Skeletonizer* - Use 10 to 20 pounds per acre. Apply before first brood of *Grape Leaf Folder* larvae emerge, and as needed for *Leafhoppers*. To control *Grape Berry Moth, Japanese/June Beetles, Red-Banded Leaf Roller* - Use 20 pounds per acre.

STRAWBERRIES: To control *Meadow Spittlebug, Strawberry Leaf Roller, Strawberry Weevil* - Use 10 to 20 pounds per acre. Do not apply within 1 day of harvest.

ORNAMENTALS: To control *Apply Aphid, Bagworm, Birch Leaf Miner, Blister Beetles, Boxelder Bug, Boxwood Leaf Miner, Elm Leaf Aphid, Elm Leaf Beetle, Flea Beetles, Japanese/June Beetles, Lace Bugs, Leafhoppers, Leaf Rollers, Oak Leaf Miner, Orange Tortrix, Periodical Cicada, Plant Bugs, Psyllids, Rose Slug, Rose Aphid, Scale Insect (crawler stage only), Tent Caterpillars, Willow Leaf Beetle, Thrips (exposed only)* - Apply thoroughly at first signs of plant damage, and repeat at 7 day intervals, or as needed for good control.

COTTON: To control early season *Thrips, Flea Beetles, Cotton Leafhoppers* - Use 5 to 10 pounds per acre at 5 to 10 day intervals beginning with increased pest pressures, then as needed.

For control of mid-season/late-season *Boll Weevil, Cotton Bollworms, Fall Armyworm, Cotton Leaf Perforators, Leafhoppers, Lygus Bugs, Leaf Rollers* - Use 10 to 20 pounds per acre, amount depending on plant size and pest pressure. Applications for *Boll Weevil* should be made every 5 to 7 days through end of growing season.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to aquatic and estuarine invertebrates. Do not apply directly to water or wetlands. Do not contaminate water by cleaning of equipment or disposal of wastes.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

FARMWORKER SAFETY STATEMENTS

Do not enter treated areas without protective clothing until dust has settled. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must inform workers of areas or fields that may not be entered without specific protective clothing until sprays have dried, and appropriate actions to take in case of accidental exposure, as described under Precautionary Statements on this label. When oral warnings are given, warnings shall be given in a language customarily understood by the workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers.

CAUTION: Area treated with Carbaryl on (date of application). Do not enter without appropriate protective clothing until sprays have dried. In case of accidental exposure, flush eyes or skin with plenty of water. Call physician if irritation persists. Remove and wash contaminated clothing before reuse.

GENERAL CAUTIONS

1. To avoid possible injury on tender foliage, do not apply when foliage is wet or when rain or excessive humidity is expected during the next 2 days.
2. Does not control spider mites.

IMPORTANT PRE-HARVEST AND GRAZING USE INFORMATION AND LIMITATIONS

If CARBARYL 10D Insecticide is used in accordance with label directions, forage and feed crops including bean, peas, carrot tops, cowpea hay, peanut hay, pea vines, and beet tops, may be grazed or harvested for use as feed for dairy and meat animals without resulting in residues in milk or meat.

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To control *Pink Bollworm* - Use 15 to 25 pounds per acre, amount depending on size of cotton, and degree of infestations. Apply at 5 to 7 day intervals.

To control *Grasshoppers* - Use 5 to 15 pounds per acre, applied on appearance or signs of plant damage. Pre-harvest Interval is 7 days.

PASTURE, FORAGE GRASSES, CLOVER, ALFALFA: To contro. *Thrips, Armyworms, Grasshoppers, Stink Bugs* - Use 10 to 15 pounds per acre when insects first appear. Retreat at 7 to 14 day intervals if necessary. May be applied up to harvest at rates directed without exceeding residue tolerance, except for Alfalfa, which has a pre-harvest interval of 3 days.

POULTRY

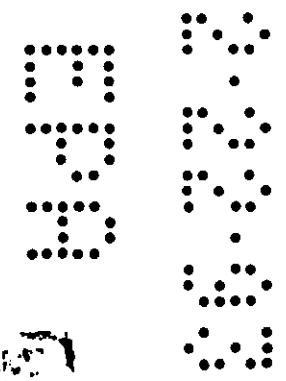
Handwritten note:
Apply to roosts and interior surfaces.

CHICKENS, PARTRIDGES, PHEASANTS, AND PIGEONS: *Norther Fowl Mite, Chicken Red Mite, Lice, Fleas, Bed Bugs (in houses or quarters)* - Apply 1 pound per 80 sq. ft. of floor and litter, and to roosts and interior surfaces. Do not apply directly to eggs or nest litter. Do not house birds in treated houses or areas within 7 days of slaughter. For *Northern Fowl Mite and Lice* on the birds, as a supplement to treatment of premises - Apply 1 pound per 200 birds. Direct dust to vent and fluff areas, and distribute throughout feathers. Do not repeat within 4 weeks. Do not apply within 7 days of slaughter. **DO NOT CONTAMINATE FEED OR DRINKING WATER.**

HOUSEHOLD PETS

CATS, DOGS: To control *Ticks, Fleas* - Dust liberally over entire animal, avoiding the eyes and rub into animal's fur. Comb out dead ticks several hours after treatment. Repeat at 7 day intervals if needed. Do not treat animals less than 4 weeks old. Do not use on pregnant dogs.

SLEEPING QUARTERS (DOG/CAT): To control *Ticks, Fleas* - Dust liberally in and around sleeping areas, kennels, and dog houses by means of a shaker can, hand or power duster. Force dust into cracks and crevices. Repeat as needed.



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STORAGE AND DISPOSAL

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

STORAGE INSTRUCTIONS

Storage should be under lock and key and secure from access by unauthorized persons and children. Storage should be in a cool dry area away from any heat or ignition source. Do not stack over 2 pallets high. Move bags carefully so as not to tear or puncture. Do not move containers from one area to another unless they are securely sealed. Keep container tightly sealed when not in use. Do not allow material to become wet or store in a damp, humid area. Keep away from any puncture source. Avoid storage near water supplies, food, feed, and fertilizer to avoid storage near water supplies, food, feed and fertilizer to avoid contamination. Store in original container only. If the contents are leaking or material is spilled, follow these steps:

1. Collect and place in suitable containers for disposal.
2. Wash area with water and soap to remove remaining pesticide.
3. Follow washing with clean water rinse.
4. Do not allow run-off to enter sewer or contaminate water supplies.
5. Dispose of waste as indicated below:

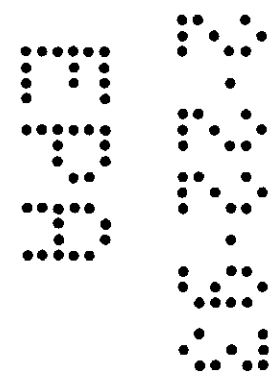
PESTICIDE DISPOSAL

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, then 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.

PEST AVAILABLE



WARRANTY-CONDITION OF SALE

OUR RECOMMENDATIONS 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 recommended, and other influencing factors in the use of this product are beyond the control of the Seller. Buyer assumes all risks of use, storage, and handling of this material not in strict accordance with directions given herewith.

In no case shall Drexel 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 directions given herewith. The foregoing is a conditions of sale by Drexel Chemical Company and is accepted as such by the Buyer.

NOT RECOMMENDED

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