



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

Barbara Brown
DREXEL CHEMICAL CO.
P. O. Box 9306
Memphis, TN 38109

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 09/08/93 in Response to PR Notice 93-7
EPA Reg. No. 19713-213
DREXEL CARBARYL 5D (5% SEVIN DUST)

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with SoyCanola Ink on paper that
contains at least 50% recycled fiber

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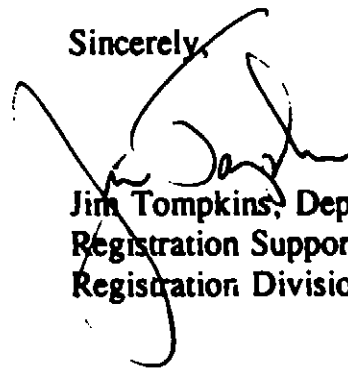
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division

Barbara Brown
DREXEL CHEMICAL CO
BOX 9306
MEMPHIS TN 38109

Comment for: EPA Reg Nr.19713-213
DREXEL CARBARYL 5D (5% SEVIN DUST)

The following specific comments pertain to your WPS labeling submission concerning the product cited above:

The Agricultural Use Requirements section must be located in a clearly separate box on the product labeling -- with lines or other graphic indicators (such as contrasting color) to separate the section from the surrounding text.

Remove the statement "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." from its current position within the Agricultural Use Box and place it above the Agricultural Use Box.

Delete the crossed-out statements on your proposed label. They are redundant statements or phrases.

Correct the typographical errors circled on your proposed label.

**CARBARYL 5D
(5% SEVIN DUST)**

A Dusting Powder For Control Of Insect Pests

ACTIVE INGREDIENT:

Carbaryl(1-Naphthyl N-methylcarbamate).....5%

INERT INGREDIENTS:.....95%

TOTAL:.....100%

**KEEP OUT OF THE REACH OF CHILDREN
CAUTION**

STATEMENT OF PRACTICAL:

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.

Carbaryl is an N-Methyl Carbamate and is a cholinesterase inhibitor.

EPA Reg. Number 19713-213
EPA Est. Number 19713-TN-1

REVISED FOR WPS ADDITIONS/DELETIONS - 9/1/93

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ACCEPTED
with COMMENTS
In EPA Letter Dated

MAR 11 1994

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

19713-213

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.

PERSONAL PROTECTIVE EQUIPMENT:
Applicators and other handlers must wear:
Long-sleeved shirt and long pants
Waterproof gloves
Shoes plus socks
Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C)

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to aquatic and estuarine 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, except for rice uses. Discharge from rice fields may kill aquatic and estuarine invertebrates. 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-

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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 5D Insecticide is used in accordance with label directions, forage and feed crops including bean vines, 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.

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 through any type of irrigation system.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

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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 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.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plant, soil, or water is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

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 5-7 day intervals for satisfactory control of insect pest.

Subsequent plantings 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 20 pounds per acre or 1 ounce per 50 feet of row. Where Mexican Bean Beetle is the only problem, 10 pounds per acre will be sufficient. To control Lygus Bug, Stink Bug, Lima Bean Pod Borer, apply 40 pounds per acre.

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CABBAGE, BROCCOLI, BRUSSELS SPROUTS, CAULIFLOWER, KOHLRABI - To control Flea Beetle, Harlequin Bug, apply 10-20 pounds per acre. To control Corn Earworm, Armyworm, Imported Cabbageworm, Diamondback Moth Larvae, apply 20-30 pounds per acre or 1-2 ounces per 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, apply 10-20 pounds per acre. For Armyworm, Imported Cabbageworm, Diamond-back Moth Larvae, Corn Earworm, Tarnished Plant Bug, Stink Bugs, apply 20-40 pounds per acre, or 1-2 ounces per 50 feet of row. For best control of Corn Earworm on lettuce forming heads, apply 40 pounds per acre at 5-7 day intervals. Will not control Cabbage Looper.

COLLARDS, KALE, MUSTARD GREENS, SPINACH - Do not apply within 14 days of harvest.

GARDEN BEETS, TURNIPS - Do not apply within 3 days of harvest of tops or within 14 days of harvest of roots.

RADISHES, RUTABAGAS - Do not apply within 3 days of harvest.

LETTUCE (Head) - Do not apply within 3 days of harvest.

LETTUCE (Leaf) - Do not apply within 14 days of harvest.

CUCUMBER, SQUASH, CANTALOUPE, PUMPKIN, MELONS - To control Pickleworm, Melonworm, Cucumber Beetles, Squash Bug, Flea Beetles, apply 20 pounds per acre, or 1 ounce per 50 feet of row.

CORN (SWEET/FIELD) - To control Corn Earworm, European Corn Borer, Fall Armyworm, Sap Beetles, Japanese Beetle, apply 30-40 pounds per acre, or 1 ounce per 50 feet of row. For budworm damage in the whorl, apply to the entire plant and repeat as needed. For ear and silk attacking insects, apply at 2-3 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.

CARROTS - To control Flea Beetles, Leafhoppers, Spittlebugs, Lygus, Stink Bugs, apply 20-40 pounds per acre, or 1-2 ounces per 50 feet of row.

TOMATO, EGGPLANT, PEPPERS - To control Tomato Fruitworm, Fall Armyworm, Flea Beetles, Leafhoppers, apply 20 pounds per acre, or 1 ounce per 50 feet of row. For control of Tomato Hornworm, European Corn Borer, Stink Bug, apply 20-40 pounds per acre.

POTATO - To control Colorado Potato beetle, apply 10 pounds per acre. For control of Leafhoppers and Flea Beetles, apply 20 pounds per acre and Lygus Bugs, apply 40 pounds per acre.

OKRA - To control Corn Earworm, Stink Bugs, apply 20-40 pounds per acre, or 1 to 2 ounces per 50 feet of row.

SMALL FRUIT

BLACKBERRIES, BOYSENBERRIES, DEWBERRIES, LOGANBERRIES, RASPBERRIES - To control Japanese Beetle, Leaf Rollers, Leafhoppers, Raspberry Aphid, apply 40 pounds per acre. Do not apply within 7 days of harvest.

BLUEBERRIES - To control Blueberry Maggot, Cherry and Cranberry Fruitworm, Japanese Beetle, apply 60 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, apply 20-40 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, apply 40 pounds per acre.

STRAWBERRIES - To control Meadow Spittlebug, Strawberry Leaf Roller, Strawberry Weevil, apply 20-40 pounds per acre. Do not apply within 1 day of harvest.

ORNAMENTALS - To control Apple Aphid, Bagworm, Birch Leaf Miner, Blister Beetles, Boxelder Bug, Boxwood Leaf Miner, Elm Leaf Aphid, Elm Leaf Beetles, 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, apply 10-20 pounds per acre at 5-10 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, apply 20-40 pounds per acre, amount depending on plant size and pest pressure. Applications for Boll Weevil should be made every 5-7 days through end of growing season.

To control Pink Bollworm, use 30-50 pounds per acre, amount depending on size of cotton and degree of infestation. Apply at 5-7 day intervals.

To control Grasshoppers use 10-30 pounds per acre, applied on appearance or signs of plant damage. The Pre-Harvest Interval is 7 days.

PASTURE, FORAGE GRASSES, CLOVER, ALFALFA - To control Thrips, Armyworms, Grasshoppers, Stink Bugs use 20-30 pounds per acre when insects first appear. Repeat at 7-14 day intervals if necessary. May be applied up to harvest at rates directed without exceeding residue tolerances except for Alfalfa which has a Pre-Harvest interval of 3 days.

HOUSEHOLD PETS

CATS, DOGS - To control ticks and fleas, dust liberally over entire animal, avoiding the eyes and rub into animal 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 QUARTER (DOG/CAT) - To control ticks and fleas, dust liberally in and around sleeping areas, kennels, and dog houses by means of a shaker can, hand or powder duster. Force dust in cracks and crevices. Repeat as needed.

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 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.

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 condition of sale by Drexel Chemical Company and is accepted as such by the Buyer.

51-0286