

19713-53

4-2-2008

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

April 2, 2008

Drexel Chemical Company
P.O. Box 13327
Memphis, TN 38113

Subject: Drexel Carbaryl 10D
EPA Reg. No. 19713-53
Application for Amended Registration-Cotton Removal
Your Application Dated February 20, 2008

Dear Ms. Chan;

The label referred to above, submitted in connection with the registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable with the following changes:

Agricultural Use label

- On the front panel specify Carbaryl (1-Naphthyl N-methylcarbamate).
- Revise the heading GENERAL USE PRECAUTIONS to read USE PRECAUTIONS.
- Change the heading IMPORTANT PRE-HARVEST AND GRAZING USE INFORMATION AND LIMITATIONS to read PRE-HARVEST AND GRAZING USE INFORMATION AND RESTRICTIONS.
- Under the heading PRE-HARVEST AND GRAZING USE... change "...without resulting in residues in milk or meat." to read "...without resulting in illegal residues in milk or meat.
- Under the heading PRE-HARVEST AND GRAZING USE... add "Do not use reclaimed irrigation water from crops treated with carbaryl on crops for which carbaryl tolerances are not established."

- Under the heading PRE-HARVEST AND GRAZING USE... add “Do not plant rotational food and feed crops not listed on this label or other carbaryl labels in carbaryl treated soil.”
- Revise the sentence “Begin applications when insects or damage is first observed and repeat on a regular 5 to 7 day schedule or as necessary for good insect control” to read “Apply when insect or their damage first appears. Do not repeat application more than once per week per crop, unless otherwise indicated in the directions for use.”
- Your label directions must be revised to provide directions for use on how to apply the product, e.g., “...use a shaker can, dust gun, puffer or other bulbous duster.”
- Under WARRANTY, revise “OUR RECOMMENDATIONS FOR USE...” to read “The directions for use...”
- For each crop, under RESTRICTIONS AND PRECAUTIONS, change to RESTRICTIONS.
- For each crop, under RESTRICTIONS, add a sentence “Do not apply more than xx lb a/A per year.”
- Specify the net contents on the label.

Home and Garden Use label

(this product is required to be packaged as a ready-to-use shaker can)

- On the front panel specify Carbaryl (1-Naphthyl N-methylcarbamate).
- Specify “A dusting powder for control of the listed insect pests.”
- Revise the heading GENERAL USE PRECAUTIONS to read USE PRECAUTIONS.
- Under PRECAUTIONARY STATEMENTS, revise the box to read:

CAUTION: Harmful if swallowed. Harmful is absorbed through skin. Avoid breathing dust. Avoid contact with eyes, skin or clothing. Wear long-sleeved shirt, long pants, shoes and socks, and household latex or rubber gloves. Follow manufacturer’s instructions for cleaning/maintaining clothing/gloves. If no such instructions for washables exist, use detergent and hot water. Keep and wash clothing/gloves used for applying product separately from other laundry.

- Revise USER SAFETY RECOMMENDATIONS to read RESIDENTIAL USER SAFETY RECOMMENDATIONS.

- Under RESIDENTIAL USER SAFETY RECOMMENDATIONS, revise the sentence “Remove clothing/PPE immediately if pesticide gets inside” to read “Remove clothing, shoes and gloves immediately if pesticide gets inside.”
- Under RESIDENTIAL USER SAFETY RECOMMENDATIONS, revise the sentence “Remove PPE immediately after handling this product.” to read “Remove clothing, shoes and gloves immediately after using this product.”
- Delete the paragraph headed with IMPORTANT PRE-HARVEST AND GRAZING USE INFORMATIONS AND LIMITATIONS. This is not appropriate for a homeowner product.
- Revise heading USE PRECAUTIONS to read USE PRECAUTIONS AND RESTRICTIONS.
- Under USE PRECAUTIONS AND RESTRICTIONS revise the sentence “Begin applications when insects or damage is first observed and repeat on a regular 5 to 7 day schedule or as necessary for good insect control’ to read “Apply when insect or their damage first appears. Do not repeat application more than once per week. unless otherwise indicated in the directions for use.”
- Add a section METHOD OF APPLICATION AND USE DIRECTIONS. Under the heading add a sentence “Using this shaker can, dust lightly to cover both upper and lower leaf surfaces with a thin, even film of dust. Apply when air is calm. Start by applying at the farthest corner of the treatment area and work backwards to avoid contact with treated surfaces. Allow dust to settle before re-entering. For plants above chest height, consider using a liquid carbaryl product.
Table of Equivalents for 8 Ozs. Carbaryl 10D Ready-to-Use Shaker Can
(add table, similar to your product 19713-212).
- Revise the application rates to make more sense to the user, *e.g.*, revise the application rate, *e.g.*, 0.25 to read 1/4th pound etc.
- Specify the net contents on the label.
- Under WARRANTY, revise “OUR RECOMMENDATIONS FOR USE...” to read “Our directions for use...”
- Revise the STORAGE AND DISPOSAL statements to read similar to:
- Storage: Store pesticide in original container and place in a locked storage area. Disposal: If empty: Do not reuse this container. Place in trash or offer for recycling if available. If partially filled: Call your local solid waste agency or 1-800-CLEANUP for disposal

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instructions. Never place unused product down any indoor or outdoor drain.”

A stamped copy is enclosed for your records. Please submit on copy of the final printed label before releasing the product for shipment.

Approval of this label does not constitute approval of your application for reregistration of this product. Product reregistration is currently pending, and future labeling changes and/or additional data may be required.

If you have questions, contact me at Edwards.joanne@epa.gov or by phone at (703) 305-6736.

Sincerely,



Joanne S. Edwards, Entomologist
Insecticide-Rodenticide Branch
Registration Division (7505C)

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**SPLIT LABEL
(FOR AG USE)**



Carbaryl 10D

Dusting Powder

ACTIVE INGREDIENT:

Carbaryl.....	10.0%
OTHER INGREDIENTS:	90.0%
TOTAL:	100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See FIRST AID Below

EPA Reg. No. 19713-53

EPA Est. No. 19713-GA-001

Net Contents: _____

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 or convulsing 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 INHALED:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
- 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 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 product container or label with you when calling 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.

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.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed. Harmful if absorbed through the skin. Avoid contact with eyes, skin or clothing. Avoid breathing dust.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are made of any waterproof material. 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: Coveralls over long-sleeved shirt and long pants, chemical-resistant gloves, chemical-resistant footwear plus socks, chemical-resistant headgear if overhead exposure, 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, and a chemical-resistant apron when loading or cleaning equipment or spills. 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.

(Continued)

PRECAUTIONARY STATEMENTS (Continued)

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

USER SAFETY RECOMMENDATIONS

Users should: 1) Wash hands thoroughly with soap and water 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 gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to aquatic invertebrates. 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 apply when weather conditions favor drift from area treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not contaminate water when disposing of equipment washwaters. 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.

GENERAL USE PRECAUTIONS

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 this product is used in accordance with label directions, forage and feed crops including Bean vines, Carrot tops, Cowpea hay, and Pea vines 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. 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.

Manufactured By:

Drexel Chemical Company

P.O. BOX 13327, MEMPHIS, TN 38113-0327

SINCE 1972



ACQUIRED
with COMMENTS
In EPA Letter Dated:

4-2-08

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

19713-53

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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 requirements for the protection of agricultural workers on farms, forests, nurseries, 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 by the Worker Protection Standard. Do not enter or allow worker entry into treated areas during the REI. The REI for each crop is listed in the directions for use associated with each crop. 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 plants, soil or water is: Coveralls, chemical-resistant gloves made of any waterproof material, and shoes plus socks. 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.

NON-AGRICULTURAL USE REQUIREMENTS
 The requirements in this box apply to uses of this product that are NOT within the scope of the WPS for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses. Do not enter or allow others to enter the treated area until dusts have settled.

USE PRECAUTIONS
 Some phytotoxicity may occur on tender foliage in the presence of rain and/or high humidity of several days duration following application. Do not apply this product through any type of irrigation system. Subsequent planting of food and feed crops in treated soil must be made with crops listed on this or other carbaryl labels. Begin applications when insects or damage is first observed and repeat on a regular 5 to 7 day schedule or as necessary for good insect control.

VEGETABLES

Crop	Pest	Lbs. of This Product Per Acre
Beans (REI for Stringbeans, Dry Beans, Peas [Dry, Field, Succulent, Blackeyed, Chick, Green, Cowpeas, Sitao, Oriental] and Lentils = 5 days); (REI for Pole beans, and Soybeans = 2 days)	Bean leaf beetles, Corn earworms, Cucumber beetles, Flea beetles, Japanese beetles, Leafhoppers and Mexican bean beetles	10
	SPECIFIC DIRECTIONS: Where Mexican bean beetles are the only problem, 10 pounds per acre will be sufficient.	
	Limabean pod borers, Lygus bugs, Stink bugs	20
RESTRICTIONS AND PRECAUTIONS: Do not apply within 14 days of grazing or harvest for forage or within 3 days of harvest of fresh Beans or Peas or within 21 days of harvest of Dried beans or peas, seed or hay.		
Broccoli, Brussels sprouts, Cabbage, Cauliflower, Kohlrabi (REI = 5 days)	Flea beetles, Harlequin bugs	10
	Armyworms, Corn earworms, Diamondback moth larvae, Imported cabbageworms	10 to 20
RESTRICTIONS AND PRECAUTIONS: Will not control Cabbage loopers. Application is only permitted within 30 days from date of crop emergence or the date of transplanting.		
Cantaloupe, Cucumber, Melons, Pumpkin, Squash (REI = 3 days)	Pickleworms, Melonworms, Cucumber beetles, Squash bugs, Flea beetles	10
RESTRICTIONS AND PRECAUTIONS: Do not apply within 3 days of harvest.		
Carrots (REI for Carrots harvested for greens [tops] = 12 hours); (REI for Carrots harvested for roots = 4 days)	Flea beetles, Leafhoppers, Lygus, Spittlebugs, Stink bugs	10 to 20
RESTRICTIONS AND PRECAUTIONS: Do not apply within 7 days of harvest. For Carrots harvested for greens (tops), application is only permitted within 30 days from the date of crop emergence or the date of transplanting. Do not apply more than 6 pounds per acres per crop.		

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Crop	Pest	Lbs. of This Product Per Acre
Collards, Garden beets, Kale, Lettuce (head and leaf), Mustard greens, Radishes, Rutabagas, Spinach, Turnips (REI for Collards, Kale, Lettuce, Mustard Greens = 5 days); (REI for Radishes, Rutabagas = 4 days); (REI for Garden beets harvested for greens [tops], Spinach, Turnips [greens] = 12 hours, Turnips harvested for roots = 4 days)	Flea beetles, Harlequin bugs, Leafhoppers	10 to 20
	Armyworms, Corn earworms, Diamondback moth larvae, Imported cabbageworms, Stink bugs, Tarnished plant bugs	20 to 40
SPECIFIC DIRECTIONS: For best control of Corn earworms on Lettuce forming heads, apply 40 pounds per acre at 7 day intervals. Will not control Cabbage loopers.		

RESTRICTIONS AND PRECAUTIONS: For Garden beets harvested for greens (tops), Collards, Kale, Lettuce, Mustard greens, and Spinach, application is only permitted within 30 days from the date of crop emergence or the date of transplanting. For Garden beets (harvested for roots), Radish, Rutabagas, and Turnip roots, do not apply within 7 days of harvest.

Crop	Pest	Lbs. of This Product Per Acre
Corn (Sweet, Field) (REI = 4 days)	Budworm, Corn earworms, European corn borers, Fall armyworms, Japanese beetles, Sap beetles	30 to 40
SPECIFIC DIRECTIONS: For Budworm damage in the whorl, apply to the entire plant and repeat as needed. For ear and silk attacking insects, apply at 7 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.		

RESTRICTIONS AND PRECAUTIONS: For Sweet corn do not apply within 2 days of harvest of ears, within 14 days of harvest or grazing of Forage or within 48 days of harvest of fodder. Hand harvesting of Sweet corn is prohibited. For Field corn, do not apply within 48 days of harvest of Grain and Fodder or within 14 days of harvest or grazing of forage or silage. The maximum ground application rate for Field corn is 2 lbs. a.i. (20 lbs. of this product) per acre.

Crop	Pest	Lbs. of This Product Per Acre
Eggplant, Peppers, Tomato (REI = 2 days)	Fall armyworms, Flea beetles, Leafhoppers, Tomato fruitworms	10
	European corn borers, Stink bugs, Tomato hornworms	10 to 20

RESTRICTIONS AND PRECAUTIONS: Do not apply within 3 days of harvest.

Okra (REI = 12 hrs.)	Corn earworms, Stink bugs	10 to 20
RESTRICTIONS AND PRECAUTIONS: Do not apply within 3 days of harvest.		
Potato (REI = White, Irish 4 days)	Colorado potato beetles	10
	Flea beetles, Leafhoppers	10
	Lygus bugs	20

RESTRICTIONS AND PRECAUTIONS: Do not apply within 7 days of harvest.

SMALL FRUITS AND BERRIES

Crop	Pest	Lbs. of This Product Per Acre
Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries (REI = 2 days)	Japanese beetles, Leafrollers, Leafhoppers, Raspberry aphids	20
RESTRICTIONS AND PRECAUTIONS: Do not apply within 7 days of harvest.		
Blueberries (REI = Blueberries Low bush 12 hours; High bush 2 days)	Blueberry maggots, Cherry fruitworms, Cranberry fruitworms, Japanese beetles	15 to 20

RESTRICTIONS AND PRECAUTIONS: Do not apply within 7 days of harvest. (Continued)

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Crop	Pest	Lbs. of This Product Per Acre
Grapes (REI = East of the Rocky Mountains 2 days; West of the Rocky Mountains 7 days)	Grape leafhoppers, Grape leaf skeletonizers	10 to 20
	SPECIFIC DIRECTIONS: Apply before first brood of Grape leafhopper larvae emerge and as needed for Leafhoppers.	
	Grape berry moths, Japanese beetles, June beetles, Redbanded leafrollers	20
RESTRICTIONS AND PRECAUTIONS: Do not apply within 7 days of harvest.		
Strawberries (REI = 4 days)	Meadow spittlebugs, Strawberry leafrollers, Strawberry weevils	10 to 20
RESTRICTIONS AND PRECAUTIONS: Do not apply within 7 days of harvest. Carbaryl may injure Early dawn and Sunrise varieties.		

ALFALFA, CLOVER, FORAGE GRASSES, PASTURE

Crop	Pest	Lbs. of This Product Per Acre
Alfalfa, Clover, Forage Grasses, Pasture (REI = Alfalfa, Clover, Pasture and Grasses grown for Seed 2 days)	Armyworms, Grasshoppers, Stink bugs, Thrips	10 to 15
	SPECIFIC DIRECTIONS: Apply when insects first appear. Repeat at 7 to 14 day intervals if necessary.	
RESTRICTIONS AND PRECAUTIONS: For Pasture, do not apply within 14 days of harvest or grazing. For Alfalfa and Clover, do not apply within 7 days of harvest or grazing. Do not apply more than once per cutting.		

ORNAMENTALS

Crop	Pest	Lbs. of This Product Per Acre
Foliage Plants (Outdoor only) (REI = 12 hours: Roses grown for cuttings 7 days)	Apple aphids, Bagworms, Birch leafminers, Blister beetles, Boxelder bugs, Boxwood leafminers, Elm leaf aphids, Elm leaf beetles, Flea beetles, Japanese beetles, June beetles, Lace bugs, Leafhoppers, Leafrollers, Oak leafminers, Orange tortrix, Periodical cicadas, Plant bugs, Psyllids, Rose aphids, Rose slugs, Scale insects (crawler stage only), Tent caterpillars, Thrips (exposed only), Willow leaf beetles	-
	SPECIFIC DIRECTIONS: Apply thoroughly at first signs of plant damage and repeat at 7 day intervals or as needed for good control.	

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal. **PESTICIDE STORAGE:** 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 soap and water to remove remaining pesticide.
3. Follow washing with clean water rinse.
4. Do not allow runoff 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—CONDITIONS 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. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with 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 directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.



Manufactured By:
Drexel Chemical Company
 P.O. BOX 13327, MEMPHIS, TN 38113-0327
SINCE 1972

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**SPLIT LABEL
(HOME AND GARDEN
USE)**



Carbaryl 10D

Dusting Powder

A dusting powder for control of insect pests.

ACTIVE INGREDIENT:

Carbaryl.....	10.0%
OTHER INGREDIENTS:	90.0%
TOTAL:	100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See FIRST AID Below

EPA Reg. No. 19713-53

EPA Est. No. 19713-GA-001

Net Contents: 8 ozs.

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 or convulsing 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 INHALED:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
- 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 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 product container or label with you when calling 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.

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.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed. Harmful if absorbed through the skin. Avoid contact with eyes, skin or clothing. Avoid breathing dust. Wear long-sleeved shirt, long pants, shoes and socks, and chemical-resistant gloves made of any waterproof material.

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

USER SAFETY RECOMMENDATIONS

Users should: 1) Wash hands thoroughly with soap and water 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 gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to aquatic invertebrates. Do not apply directly to water. Do not apply when weather conditions favor drift from area treated. Do not contaminate water when disposing of equipment washwaters or rinsate. 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.

GENERAL USE PRECAUTIONS

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 this product is used in accordance with label directions, forage and feed crops including Bean vines, Carrot tops, Cowpea hay, and Pea vines 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 in a way that will contact any person or pet, either directly or through drift. Keep people and pets out of the area during application. Do not allow people or pets to enter treated area until dusts have settled.

USE PRECAUTIONS

Some phytotoxicity may occur on tender foliage in the presence of rain and/or high humidity of several days duration following application.

Subsequent planting of food and feed crops in treated soil must be made with crops listed on this or other carbaryl labels.

Begin applications when insects or damage is first observed and repeat on a regular 5 to 7 day schedule or as necessary for good insect control.



Manufactured By:

Drexel Chemical Company

P.O. BOX 13327, MEMPHIS, TN 38113-0327

SINCE 1972

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VEGETABLES

Crop	Pest	Lbs. of This Product Per 1,000 sq. ft.
Beans	Bean leaf beetles, Corn earworms, Cucumber beetles, Flea beetles, Japanese beetles, Leafhoppers and Mexican bean beetles	0.25
	SPECIFIC DIRECTIONS: Where Mexican bean beetles are the only problem, 0.1 pound (1.6 ozs.) per 1,000 sq. ft. will be sufficient.	
	Limabean pod borers, Lygus bugs, Stink bugs	0.5
RESTRICTIONS AND PRECAUTIONS: Do not apply within 3 days of harvest of fresh Beans or Peas or within 21 days of harvest of Dried beans or peas, seed or hay.		
Broccoli, Brussels sprouts, Cabbage, Cauliflower, Kohlrabi	Flea beetles, Harlequin bugs	0.125 to 0.25
	Armyworms, Corn earworms, Diamondback moth larvae, Imported cabbageworms	0.25 to 0.5
RESTRICTIONS AND PRECAUTIONS: Will not control Cabbage loopers. Application is only permitted within 30 days from date of crop emergence or the date of transplanting.		
Cantaloupe, Cucumber, Melons, Pumpkin, Squash	Pickleworms, Melonworms, Cucumber beetles, Squash bugs, Flea beetles	0.25
RESTRICTIONS AND PRECAUTIONS: Do not apply within 3 days of harvest.		
Carrots	Flea beetles, Leafhoppers, Lygus, Spittlebugs, Stink bugs	0.25 to 0.5
RESTRICTIONS AND PRECAUTIONS: Do not apply within 7 days of harvest. For Carrots harvested for greens (tops), application is only permitted within 30 days from the date of crop emergence or the date of transplanting.		
Collards, Garden beets, Kale, Lettuce (head and leaf), Mustard greens, Radishes, Rutabagas, Spinach, Turnips	Flea beetles, Harlequin bugs, Leafhoppers	0.25
	Armyworms, Corn earworms, Diamondback moth larvae, Imported cabbageworms, Stink bugs, Tarnished plant bugs	0.25 to 0.5
	SPECIFIC DIRECTIONS: For best control of Corn earworms on Lettuce forming heads, apply 0.4 pounds (7.3 ozs.) per 1,000 sq. ft. in a 5 to 7 day interval. Will not control Cabbage loopers.	
RESTRICTIONS AND PRECAUTIONS: For Garden beets harvested for greens (tops), Collards, Kale, Lettuce, Mustard greens, and Spinach, application is only permitted within 30 days from the date of crop emergence or the date of transplanting. For Garden beets (harvested for roots), Radish, Rutabagas, and Turnip roots, do not apply within 7 days of harvest.		
Eggplant, Peppers, Tomato	Fall armyworms, Flea beetles, Leafhoppers, Tomato fruitworms	0.25
	European corn borers, Stink bugs, Tomato hornworms	0.25 to 0.5
RESTRICTIONS AND PRECAUTIONS: Do not apply within 3 days of harvest.		
Okra	Corn earworms, Stink bugs	0.25 to 0.5
RESTRICTIONS AND PRECAUTIONS: Do not apply within 3 days of harvest.		
Potato	Colorado potato beetles	0.25
	Flea beetles, Leafhoppers	0.25
	Lygus bugs	0.5
RESTRICTIONS AND PRECAUTIONS: Do not apply within 7 days of harvest.		

SMALL FRUITS AND BERRIES

Crop	Pest	Lbs. of This Product Per 1,000 sq. ft.
Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries	Japanese beetles, Leafrollers, Leafhoppers, Raspberry aphids	0.5
RESTRICTIONS AND PRECAUTIONS: Do not apply within 7 days of harvest.		
Blueberries	Blueberry maggots, Cherry fruitworms, Cranberry fruitworms, Japanese beetles	0.3 to 0.5
RESTRICTIONS AND PRECAUTIONS: Do not apply within 7 days of harvest.		
Grapes	Grape leafhoppers, Grape leaf skeletonizers, Grape leafroller	0.25 to 0.5
	SPECIFIC DIRECTIONS: Apply before first brood of Grape leafroller larvae emerge and as needed for Leafhoppers.	
	Grape berry moths, Japanese beetles, June beetles, Red-banded leafrollers	0.5
RESTRICTIONS AND PRECAUTIONS: Do not apply within 7 days of harvest.		
Strawberries	Meadow spittlebugs, Strawberry leafrollers, Strawberry weevils	0.25 to 0.5
RESTRICTIONS AND PRECAUTIONS: Do not apply within 7 days of harvest. Carbaryl may injure Early dawn and Sunrise varieties.		

ORNAMENTALS

Crop	Pest	Lbs. of This Product Per 1,000 sq. ft.
Foliage Plants (Outdoor only)	Apple aphids, Bagworms, Birch leafminers, Blister beetles, Boxelder bugs, Boxwood leafminers, Elm leaf aphids, Elm leaf beetles, Flea beetles, Japanese beetles, June beetles, Lace bugs, Leafhoppers, Leafrollers, Oak leafminers, Orange tortrix, Periodical cicadas, Plant bugs, Psyllids, Rose aphids, Rose slugs, Scale insects (crawler stage only), Tent caterpillars, Thrips (exposed only), Willow leaf beetles	-
SPECIFIC DIRECTIONS: Apply thoroughly at first signs of plant damage and repeat at 7 day intervals or as needed for good control. To obtain Scale control, apply in Spring and early Summer when scale crawlers are present.		

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STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Storage should be under lock and key and secure from access by children. Storage should be in a cool, dry area away from any heat or ignition source. 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 soap and water to remove remaining pesticide.
3. Follow washing with clean water rinse.
4. Do not allow runoff to enter sewer or contaminate water supplies.
5. Dispose of waste as indicated below:

PESTICIDE DISPOSAL: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

CONTAINER DISPOSAL:

If empty: Do not reuse this container. Place in trash or offer for recycling if available.

If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

WARRANTY—CONDITIONS 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. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with 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 directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.