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51036-13

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

Morris Gaskins
Micro Flo Company
P.O. Box 772099
Memphis, TN 38117-2099

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

NOV 12 1999

Subject: Carbaryl 10% Dust
EPA Registration No. 51036-13
Amendment dated September 16, 1999
Label amendments as per the GDE dated August 6, 1999.

Dear Mr. Gaskins:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable provided that you make the labeling changes indicated below before you release the product for shipment bearing the amended labeling:

1. The preharvest intervals (PHIs) for the following crops must be corrected:

Field and Sweet Corn- correct the "7 day" for forage to 14 days.

Peanuts- 14 days; Alfalfa and Clover-7 days; Soybeans-same PHIs as for beans.

Cranberries, Blueberries, and Grapes- all have a 7 day PHI.

Submit two copies of your final printed labeling with the corrections specified above before you release the product for shipment. A copy of the labeling stamped "Accepted With Comments" is enclosed for your records. If you have any questions concerning this letter, please contact me at (703) 308-9397.

Sincerely,

George Tompkins

George Tompkins, Ph.D., Entomologist
Insecticide-Rodenticide Branch
Registration Division (7505C)

NOV 12 1999
Under EPA Registration No. 51036-13
Fungicide, as manufactured,
as amended, is a pesticide
registered under FIFRA Act.

CARBARYL 10% DUST
N-METHYL CARBAMATE
For Agricultural or Commercial Use Only

ACTIVE INGREDIENT:		
Carbaryl (1-Naphthyl N-methylcarbamate)	10.0%
INERT INGREDIENTS	90.0%
	TOTAL	100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT
N-Methyl Carbamate

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching finger to back of throat. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

IF INHALED: Remove victim to fresh air. Apply respiration if indicated.

IF IN EYES: Flush eyes for at least 15 minutes with water. Call a physician immediately.

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

See Elsewhere On Label For Additional Precautionary Statements

EPA Reg. No. 51036-13

EPA Est. No. 51036-GA-001

Manufactured By:
MICRO FLO COMPANY
P.O. BOX 772099
MEMPHIS, TN 38117

PRECAUTIONARY STATEMENTS
Hazards To Humans And Domestic Animals

CAUTION

May be harmful if swallowed. Do not take internally. Avoid contact with eyes, skin and clothing. Avoid breathing vapors, dust, or spray mist. Flush contaminated eyes with plenty of water and get medical attention if irritation persists. Keep children and pets off treated areas until this material is washed into the soil and grass is dry.

NOTE TO PHYSICIAN: Carbaryl is a moderate, reversible, cholinesterase inhibitor. Atropine is antidotal.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

1. Long-sleeved shirt and long pants
2. Waterproof gloves
3. Shoes plus socks
4. Chemical-resistant headgear for overhead exposure

Follow manufacturer's instructions for cleaning and 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:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to aquatic 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. Discharge from rice fields may kill aquatic and estuarine invertebrates. Do not contaminate water by cleaning of equipment or disposal of wastes. This produce 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.

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.

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, notification to workers, and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

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

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:

- 1. Coveralls
- 2. Waterproof gloves
- 3. Shoes plus socks
- 4. Chemical-resistant headgear for overhead exposure

CHEMIGATION PROHIBITION

Do not apply this product through any type of irrigation system.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

STORAGE: Store in cool, dry place. (In case of spill, remove spillage with an industrial type vacuum cleaner and wash area with household bleach).

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: Do not reuse bag. Completely 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.

APPLICATION

To be used as a dust without dilution in conventional ground or air dusters. Dusts should be applied when the wind velocity is less than 5 miles per hour. The best hours for dusting are usually between 5 PM and 9 AM. Apply on foliage when needed unless

otherwise noted in special instructions and repeat at 7 to 10 day intervals if necessary.

FIELD AND SWEET CORN

Corn Earworm - 10 to 20 pounds per acre. For forage do not apply 7 days before harvest. Apply when first silks appear during silking period. Direct dusters to ear zone to insure complete coverage of each silk.

Corn Rootworm Adults, European Corn Borer, Fall Armyworms, Sap Beetles, Japanese Beetles, Leafhoppers - 10 to 20 lbs. per acre.

Field corn Pre-Harvest Interval is 14 days for forage and silage, 48 days for grain and fodder.

Sweet corn Pre-Harvest Interval is 2 days for ears, 14 days for forage and 48 days for fodder.

Maximum seasonal application rate: 20 lb/acre/crop.

Retreatment interval: 3 days for sweet corn, 14 days for field corn.

SUGAR BEETS

Leafhoppers, Armyworms, Webworms, Grasshoppers - 10 to 20 lbs. per acre.

Pre-Harvest Interval: 28 days for roots and forage.

Maximum seasonal application rate: 30 lb/acre/crop.

Retreatment interval: 14 days.

PEANUTS, ALFALFA, CLOVER, SOYBEANS

Blister Beetles, Mexican Bean Beetle - 5 to 10 lbs. per acre.

Thrips, Leafhoppers, Three-cornered Alfalfa Hopper, Cucumber Beetles, Bean Leaf Beetle, Japanese Beetle, Alfalfa Caterpillar, Velvetbean Caterpillar, Green Cloverworm - 10 lbs. per acre.

Armyworms, Webworms, Corn Earworm, Stink Bugs, Grasshoppers - 10 to 15 lbs. per acre. On Alfalfa do not apply within 3 days of harvest.

TOBACCO (Field)

Hornworms, Budworms, Flea Beetles, June Beetles, Japanese Beetles - 10 to 20 lbs. per acre. Do not apply 3 days before priming or cutting.

(Plant Beds) - Tobacco Flea Beetle, Green June Beetle Grubs - 1 lb. per 100 sq. yds. Do not apply 3 days before transplanting.

RICE, FORAGE GRASS, PASTURE

Thrips, Stink bugs, Armyworms, Grasshoppers - 10 to 15 lbs. per acre. On Rice do not apply within 14 days of harvest.

SORGHUM (grain)

Armyworms, Webworms, Corn Earworm, Stink Bug, Grasshoppers - 10 to 20 lbs. per acre.

Sorghum Midge - 15 lbs. per acre. Apply 3 or 4 days after heads

have emerged from boot.

Pre-Harvest Interval is: 14 days for grazing and forage, 21 days for grain and fodder.

Maximum seasonal application rate: 60 lb/acre/crop.

Retreatment interval: 7 days.

ASPARAGUS (On Spears

Asparagus Beetle - 10 to 20 lbs. per acre. Do not apply within 1 day of harvest. Do not repeat application within 3 days.

(On Ferns and Brush) - Asparagus Beetle, Apache Cicada Post-Harvest Application - 20 per acre.

Maximum seasonal application rate: 60 lb/acre/crop for spears, 40 lb/acre/crop for ferns.

Retreatment interval: 3 days for spears, 7 days for ferns after harvest.

Total maximum seasonal application rate for spears and ferns is 100 lb/acre/crop. The total number of applications is 3 prior to harvest with 2 additional applications to ferns only.

BEANS, fresh and dried (snap, navy and kidney)

COWPEAS

Lygus Bugs, Stink Bugs, Corn Earworm, Leafhoppers, Flea Beetles, Tarnished Plant Bug, Bean Leaf Roller, Mexican Bean Beetle, Bean Leaf Beetle, Cucumber Beetle, Western Bean Cutworm, Japanese Beetle, Velvetbean Caterpillar, Armyworms - 10 to 20 lbs. per acre.

Pre-Harvest Interval: 3 days for succulents, 21 days for dry, 14 days for forage and 21 days for hay.

Maximum seasonal application rate: 60 lb/acre/crop.

Retreatment interval: 7 days.

CUCUMBERS, SQUASH, CANTALOUPE, WATERMELONS

Striped Cucumber Beetle, Spotted Cucumber Beetle, Melonworm, Pickleworm, Squash Bug, Leafhoppers, Cucumber Beetles, Flea Beetles - 10 lbs. per acre.

Pre-Harvest Interval: 3 days.

Maximum seasonal application rate: 60 lb/acre/crop.

Retreatment interval: 7 days.

POTATOES, TOMATOES, EGGPLANTS, PEPPERS

Flea Beetles, Cucumber Beetles, Tomato Fruit Worm, Fall Armyworms, Corn Earworm, Tomato Hornworms, Tobacco Hornworms, Leafhoppers, European Corn Borer, Stink Bugs, Colorado Potato Beetle, Tomato Fruitworm, Lace Bug, Lygus Bug - 10 to 20 lbs. per acre.

Pre-Harvest Interval: 3 days for tomatoes, eggplants and peppers. 7 days for potatoes.

Maximum seasonal application rate: 80 lb/acre/crop for tomatoes, eggplants and peppers. 60 lb/acre/crop for potatoes.
Retreatment interval: 7 days.

LETTUCE, head and leaf

Flea Beetles, Stink Bugs, Corn Earworm, Leafhoppers, Armyworms, Harlequin Bug, Cabbage Caterpillars, Spittlebugs, Lygus Bugs - 10 to 20 lbs. per acre.

Pre-Harvest Interval: 14 days.
Maximum seasonal application rate: 60 lb/acre/crop.
Retreatment interval: 7 days.

CARROTS

Flea Beetles, Leafhoppers, Harlequin Bug, Six-spotted Leafhopper (Aster Yellow Vector) - 10 to 15 lbs. per acre.
Corn Earworm, Armyworms, Cabbage Caterpillars, Spittlebugs, Lygus and Stink Bugs - 10 to 20 lbs. per acre.

Pre-Harvest Interval: 7 days.
Maximum seasonal application rate: 60 lb/acre/crop.
Retreatment interval: 7 days.

CABBAGE, BROCCOLI, BRUSSELS SPROUTS, CAULIFLOWER, KOHLRABI

Flea Beetles, Harlequin Bug - 5 to 10 lbs. per acre.
Corn Earworm, Armyworms, Cabbage Caterpillars - 10 to 20 lbs. per acre.

Pre-Harvest Interval: 3 days.
Maximum seasonal application rate: 60 lb/acre/crop.
Retreatment interval: 7 days.

OKRA

Corn Earworm, Flea Beetles, Japanese Beetle, Stink Bugs - 10 to 20 lbs. per acre.

CRANBERRIES

Leafhoppers, Stink Bugs, Rose Chafer, Fruitworms, Fireworms, Cutworms, Japanese Beetle - 15 to 30 lbs. per acre. Do not apply within 1 day of harvest.

STRAWBERRIES

Flea Beetles, Lygus Bugs, Spittlebugs, Leafhoppers, Strawberry Leaf Roller, Strawberry Weevil - 10 to 20 lbs. per acre.

Pre-Harvest Interval: 7 days.
Maximum seasonal application rate: 100 lb/acre/crop.
Retreatment interval: 7 days.

BLUEBERRIES

Blueberry Maggot, Cherry Fruitworm, Cranberry Fruitworm, European Fruit Lecanium, Japanese Beetle - 15 to 30 lbs. per acre.

GRAPES

Grape Leafhoppers, Grape Leaf Folder, Grape Berry Moth, European Fruit Lecanium, Grape Leaf Skeletonizer, Japanese Beetle, June Beetles, Red-banded Leaf Roller - 20 to 30 lbs. per acre.

ORNAMENTALS

Azalea, Aster, Boxwood, Carnation, Camellia, Chrysanthemum, Dahlia, Gladiolus, Juniper, Lilac, Marigold, Petunia, Rhododendron, Rose, Rose of Sharon, Zinnia - Aphids, Bagworm, Blister Beetles, Boxelder Bug, Leaf Miner (Dipterous), Leaf Beetles, Flea Beetle, Japanese Beetle, Leafhoppers, Leaf Rollers, Orange Tortrix, Periodical Cicada, Plant Bug, Tent Caterpillar, Thrips (Exposed) - Apply to completely cover foliage and repeat as necessary.

POULTRY INSECT CONTROL

CHICKENS, TURKEYS, DUCKS, GEESE, GAME BIRDS AND PIGEONS:

LITTER TREATMENT - Apply 1/2 lb. per 40 square feet to control Northern Fowl Mite, Chicken Mite, Lice, Fleas and Bed Bugs. Use a scoop and scatter by hand, or apply by hand duster. Avoid contamination of nests, eggs, feeding and water troughs.

HAND APPLICATION TO BIRDS:

Use 1/2 lb. to treat 100 birds by means of a shaker can, squeeze bottle or hand duster to control northern Fowl Mite, Chicken Mite, Lice and Fleas. Direct dust to vent and fluff areas. Repeat in 4 weeks if necessary. Hand application to birds for Chicken Mite and Fleas is a supplement to litter treatment for control of these pests. For the control of Sticktight Fleas, it is especially important to treat necks and heads.

DUST-BATH BOXES:

Use 2 1/2 lbs. per box for each 100 birds to control Northern Fowl Mites, Chicken Mite, Lice and Fleas. This is a supplement to litter treatment for Chicken Mites and Flea control. On ranges, one natural wallow may be substituted for each dust-bath box. DO NOT TREAT PREMISES WITHIN 7 DAYS OF SLAUGHTER.

CONDITIONS OF SALE

All statements concerning the use of this product apply only when used as directed.

THE MANUFACTURER MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, CONCERNING THIS PRODUCT OR ITS USE, WHICH EXTEND BEYOND THE DESCRIPTION ON THE LABEL.

Read all directions carefully.