



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: SLAM
EPA Registration No. 51036-185
Amendment dated August 24, 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 crops Alfalfa, Apricots, Clover, Nectarines, Peaches, and Peanuts must be removed from Table 2 and from the "CROPS" heading stating the crops this product can be used on. These crops are not being supported for bait and granular formulations.

Submit two copies of your final printed labeling with the above crop removals 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)

ACCEPTED
with COMMENTS
In EPA Letter Dated:
NOV 12 1999
Under the provisions of the
Fungicide, Insecticide, and
as amended, this pesticide
registered under EPA Reg. No.
51036-185

SLAM

N-Methyl Carbamate

A Pesticidal Bait For Control Of Diabroticine Beetle Adults

ACTIVE INGREDIENTS:

| | |
|--|--------|
| Carbaryl (1-naphthyl N-methylcarbamate)..... | 13.0% |
| INERT INGREDIENTS:..... | 87.0% |
| TOTAL..... | 100.0% |

KEEP OUT OF REACH OF CHILDREN

CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

I. PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals

CAUTION

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

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 ON SKIN: Wash with plenty of soap and water. Get medical attention.

IF IN EYES: Flush eyes with plenty of water. Call a physician immediately.

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

EPA Reg. No. 51036-185

EPA Est. No. 51036-GA-001

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

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

- 1. Long-sleeved shirt and long pants
- 2. Waterproof gloves
- 3. Shoes plus socks

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

ENGINEERING CONTROLS STATEMENT

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

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| <p>USER SAFETY RECOMMENDATIONS</p> <p>Users should:</p> <ul style="list-style-type: none"> 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. |
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ENVIRONMENTAL HAZARDS

This product is extremely toxic to estuarine and aquatic invertebrates. For terrestrial uses, do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of wastes. This pesticide 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.

II. 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.

All applicable directions, restrictions, precautions and Conditions of Sale and Warranty are to be followed. This labeling must be in the user's possession during application.

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 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

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in unopened package in a cool, dry location.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Wastes resulting from this product may be disposed of on site or at an approved waste disposal facility. Improper disposal of excess pesticide, spray mix, or rinsate is a violation of Federal law. If these wastes cannot be disposed of according to label instructions, contact the state agency responsible for pesticide regulation or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL:

*Bags: Completely empty bags into application equipment. Dispose of empty bags in a sanitary landfill or by incineration or, if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

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IN CASE OF EMERGENCY

In case of large-scale spillage regarding this product, call:
CHEMTREC 800-424-9300

In case of medical emergency regarding this product, call:

- * Your local doctor for immediate treatment.
- * Your local poison control center (hospital).

Steps to be taken in case material is released or spilled:

Dike and contain the spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal. Remove contaminated clothing and wash affected skin areas with soap and water. Wash clothing before reuse. Keep the spill out of all sewers and open bodies of water.

III. GENERAL INFORMATION

It is critical that Slam be applied as directed.

MODE OF ACTION

The active ingredient in Slam is an n-methyl carbamate insecticide which is a cholinesterase inhibitor.

CLEANING SPRAY EQUIPMENT

Clean spray equipment thoroughly using a strong detergent or commercial sprayer according to the manufacturer's directions before and after applying this product, particularly if a product with the potential to injure crops was used.

IV. APPLICATION INSTRUCTIONS

Applications of Slam can be made as aerial, broadcast, or band applications.

RATE

Use 0.5 - 0.75 pound per acre, per application for all crops except corn and sorghum. For corn and sorghum, use 0.25 - 0.75 pound per acre per application.

Do not apply when conditions favor drift from target area or when wind speed is greater than 10 mph.

Dilute with water for a minimum of 2 quarts of finished spray per acre by air at lower rate and 1 gallon of finished spray per acre at higher rate. NOTE: In California, use a minimum of 5 gallons of finished spray per acre by air. Dilute with water for a minimum of 10 gallons of finished spray per acre by ground for both low and high rate.

NOTE: Because of bait mode of action, minimum rate (band or

broadcast) is 0.25 pound per acre.

NOTE: Some states may require a higher rate of finished spray per acre.

NOTE: This material is a suspension and not a true solution. This requires that spray mixture be kept under constant and adequate agitation to maintain a consistent mixture. Failure to maintain adequate agitation can result in uneven distribution and less effective pest control.

IMPORTANT: DUE TO THE NATURE OF THIS FORMULATION, DO NOT USE SCREENS OR NOZZLES FINER THAN 20 MESH.

TIMING

Apply at beetle emergence in the spring before egg laying begins or when beetle population levels reach the economic threshold and injury levels for the crop. Repeat applications if scouting the crop indicates further control measures need to be taken. Consult your local Cooperative Agricultural Extension Service or crop consultant for further information regarding Diabroticine beetle control on crops in your area.

COVERAGE

Be sure to apply Slam leaving a residue of 1 droplet per square inch on corn leaf surfaces. Each droplet should be approximately 600 microns.

AIR APPLICATION

Water Volume: Use a minimum of 2 quarts of water per acre at lower rate and 1 gallon of water per acre at higher rate.

NOTE: In California, use a minimum of 5 gallons of water per acre.

Spray Pressure: Use up to 40 psi.

Application Equipment: Use D-6 nozzles with no screens or cores. Distribute nozzles evenly on each wing and be sure the nozzles remain 8 - 10 feet above the ground or 3 - 4 feet above the corn.

Special Directions for Aerial Application:

To obtain uniform coverage and to avoid drift hazards, follow these guidelines: Do not apply Slam by aircraft when wind is blowing more than 10 mph. The applicator must follow the most restrictive use cautions to avoid drift hazards, including those found in this labeling as well as applicable state and local regulations and ordinances.

GROUND APPLICATION (BANDING)

Slam may be applied by banding. Follow Ground Application (Broadcast) for volume, pressure, and equipment instructions for band applications.

GROUND APPLICATION (BROADCAST)

Water Volume: Use a minimum of 10 gallons of water per broadcast acre.

Spray Pressure: Use 40 - 60 psi (measured at the boom, not at the

pump or in the line).

Application Equipment: Use standard high-pressure pesticide flat fan or hollow cone nozzles spaced up to 20 inches apart.

V. ADDITIVES

To achieve consistent pest control, use of a quality deposition-coverage and drift reduction aid is suggested. Consult your local product representative or Agricultural Extension Service for recommendations of acceptable additives for your area.

VI. MIXING ORDER

- 1) Water: Begin by agitating a thoroughly clean sprayer tank half full of clean water.
- 2) Slam: Determine and place the recommended amount of product into the mixing tank. To prepare spray solution for aerial application, use a mixing tank or mixing vat first to get Slam into suspension before transferring suspension to air application equipment.
- 3) Emulsifiable concentrates (deposition-coverage and drift reduction aid, methylated seed oil, or oil concentrate when applicable)
- 4) Water-soluble products (when applicable)
- 5) Remaining quantity of water

Maintain constant agitation during application.

VII. GENERAL TANK MIXING INFORMATION

No tank mixes are specifically recommended with this product. Consult your local product representative or agricultural advisor for assistance.

VIII. GENERAL RESTRICTIONS AND LIMITATIONS - ALL CROPS

- * Maximum seasonal use rate: Do not apply more than a total of 3.75 pounds of Slam (0.5 pounds a.i.) per acre, per season.
- * Preharvest Interval (PHI): Refer to Table 2.
- * Restricted Entry Interval (REI): 12 hours.
- * Rainfast period: Slam is rainfast after it has dried on the leaf surface.
- * Do not apply through any type of irrigation equipment.

Table 2. Crop-Specific Restrictions and Limitations

| CROP | MINIMUM TIME FROM APPLICATION TO HARVEST OR FORAGE (PHI) | MAXIMUM RATE PER ACRE PER APPLICATION | MAXIMUM LBS ai/ ACRE/ CROP* | MAXIMUM APPLICATIONS PER CROP | RETREATMENT INTERVAL |
|--|--|---------------------------------------|-----------------------------|-------------------------------|----------------------|
| Alfalfa | 7 days | 0.75 pounds | - | - | - |
| Apricots | 3 days | 0.75 pounds | - | - | - |
| Beans, fresh & dried (snap, navy & kidney) (Including forage and hay) Pea, fresh & dried Cowpea | 3 days (succulent) 21 days (dried, hay) 14 days (forage) | 0.75 pounds | 6 | - | 7 days |
| Broccoli, Brussels sprouts, Cauliflower, Cabbage, Kohlrabi | 3 days | 0.75 pounds | 6 | 4 | 7 days |
| Garden beet greens, Celery, Chinese cabbage, Collards, Dandelion, Endive, Kale, Lettuce (head & leaf), Parsley, Rutabaga greens, Spinach, Swiss Chard | 15 days | 0.75 pounds | 6 | 5 | 7 days |
| Mustard greens | 14 days | 0.75 days | 5 | 4 | 7 days |
| Garden beet roots, Carrots, Horseradish, Parsnips, Radishes, Rutabaga roots, Salsify | 7 days | 0.75 pounds | 6 | 6 | 7 days |
| Clover | 7 days | 0.75 pounds | - | - | - |

| CROP | MINIMUM TIME FROM APPLICATION TO HARVEST OR FORAGE (PHI) | MAXIMUM RATE PER ACRE PER APPLICATION | MAXIMUM LBS ai/ ACRE/ CROP* | MAXIMUM APPLICATIONS PER CROP | RETREATMENT INTERVAL |
|--|--|---------------------------------------|-----------------------------|-------------------------------|----------------------|
| Corn (Sweet, Seed) | 2 days (ears) 14 days (forage) 48 days (fodder) | 0.75 pounds | 16 | - | 3 days |
| Corn (Field, Pop) | 14 days (forage, silage) 48 days (grain, fodder) | 0.75 pounds | 8 | - | 14 days |
| Cucurbits (Cucumbers, Pumpkin, and Squash) | 3 days | 0.75 pounds | 6 | - | 7 days |
| Eggplants, Peppers, Tomatoes | 3 days | 0.75 pounds | 8 | 7 | 7 days |
| Melons (Cantaloupe, Casaba, Crenshaw, Honeydew, Muskmelon, Watermelon) | 3 days | 0.75 pounds | 6 | - | 7 days |
| Nectarines | 3 days | 0.75 pounds | - | - | - |
| Peaches | 3 days | 0.75 pounds | - | - | - |
| Peanuts (including hay) | 14 days | 0.75 pounds | - | - | - |
| Potatoes, White/Irish | 7 days | 0.75 pounds | 6 | 6 | 7 days |
| Potatoes, Sweet | 7 days | 0.75 pounds | - | - | - |
| Sorghum (Grain) (Not for use on sweet sorghum) | 14 days (grazing, forage) 21 days (grain, | 0.75 pounds | 6 | 4 | 7 days |

| CROP | MINIMUM TIME FROM APPLICATION TO HARVEST OR FORAGE (PHI) | MAXIMUM RATE PER ACRE PER APPLICATION | MAXIMUM LBS ai/ ACRE/ CROP* | MAXIMUM APPLICATIONS PER CROP | RETREATMENT INTERVAL |
|-------------|---|---------------------------------------|-----------------------------|-------------------------------|----------------------|
| | fodder) | | | | |
| Soybeans | 3 days (fresh) 14 days (grazing, forage) 21 days (dried, seed, hay) | 0.75 pounds | - | - | - |
| Sugar beets | 28 days (roots, forage) | 0.75 pounds | 3 | - | 14 days |

* The maximum pounds of a.i. per acre per application must include all products containing carbaryl applied to the crop.

| CROPS |
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| This product can be used on the following crops: |
| Alfalfa |
| Apricots |
| Beans |
| Beets (Garden beets & greens, Sugar beets) |
| Broccoli |
| Brussels sprouts |
| Cabbage |
| Carrots |
| Cauliflower |
| Celery |
| Chinese cabbage |
| Collards |
| Clover |
| Corn |
| Cowpeas |
| Cucurbits |
| Dandelion |
| Eggplant |
| Horseradish |
| Kale |
| Kohlrabi |
| Lettuce (head & leaf) |
| Melons |
| Mustard greens |
| Nectarines |

| CROPS | |
|---|--|
| This product can be used on the following crops: | |
| Parsley | |
| Parsnips | |
| Peas | |
| Peaches | |
| Peanuts | |
| Peppers | |
| Potatoes, White/Irish | |
| Potatoes, Sweet | |
| Radishes | |
| Rutabagas (including greens) | |
| Salsify | |
| Sorghum (Not for use on sweet sorghum) | |
| Soybeans | |
| Spinach | |
| Swiss Chard | |
| Tomatoes | |
| Look inside for complete Restrictions and Limitations and Application Instructions. | |

Pests listed in this label for use on all crops except corn and sorghum:

| Common Name | Scientific Name |
|-------------------------|---|
| Cucumber Beetle, Banded | <i>Diabrotica balteata</i> |
| , Striped | <i>Acalymma vittata</i> |
| , Spotted | <i>Diabrotica undecimpunctata howardi</i> |
| , Western Spotted | <i>Diabrotica undecimpunctata undecimpunctata</i> |
| , Western Striped | <i>Acalymma trivittata</i> |

Pests listed in this label for use on corn and sorghum:

| Common Name | Scientific Name |
|------------------------|---|
| Corn Rootworm, Western | <i>Diabrotica virgifera virgifera</i> |
| , Southern | <i>Diabrotica undecimpunctata howardi</i> |
| , Northern | <i>Diabrotica longicornis barberi</i> |
| , Mexican | <i>Diabrotica virgifera zea</i> |

Additional Information: For additional information, call Micro Flo

Company at 1-800-451-8461.

CONDITIONS OF SALE AND WARRANTY

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of Micro Flo Company or the Seller. All such risks shall be assumed by the Buyer. Micro Flo Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use, subject to the inherent risks referred to above. MICRO FLO COMPANY MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL MICRO COMPANY OR THE SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. Micro Flo Company and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing Conditions of Sale and Warranty which may be varied only by agreement in writing signed by a duly authorized representative of Micro Flo Company.

Slam is a trademark of Micro Flo Company.