

US ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF PESTICIDES PROGRAMS  
REGISTRATION DIVISION (TS-767)  
WASHINGTON, DC 20460

EPA REGISTRATION NO.  
51036-186

DATE OF ISSUANCE

JAN 7 - 1993

NOTICE OF PESTICIDE: ☒ REGISTRATION  
☐ REREGISTRATION  
(Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended)

TERM OF ISSUANCE

NAME OF PESTICIDE PRODUCT

Micro Flo Dyfonate 2-G

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Mr. Morris Gaskins  
Micro Flo Company  
P. O. Box 5948  
Lakeland, FL 33807

5427732 <sup>166</sup>/<sub>17</sub>  
5428352 <sup>166</sup>/<sub>17</sub>

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) section 3(c)(7)(A) provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the labeling changes listed below before you release the product for shipment:

- a. Revise the EPA Registration Number to read, "EPA Reg. No. 51036-186.
- b. The **PRECAUTIONARY STATEMENT** must be revised to read:

May be fatal if swallowed. Harmful if inhaled or on skin. Causes moderate eye irritation. Avoid inhaling dust of spray mist or contact with eyes or skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash before reuse.

☐ ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

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JAN 7 - 1993

- c. Revise the **STATEMENT OF PRACTICAL TREATMENT, FOR SKIN CONTACT**, to read:

Wash with plenty of soap and water. Get medical attention.

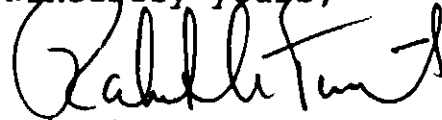
- d. Move the section, "NOTE TO PHYSICIAN", so that it is directly below the "STATEMENT OF PRACTICAL TREATMENT".

3. Submit one copy of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,



Robert A. Forrest  
Product Manager (14)  
Insecticide-Rodenticide Branch  
Registration Division (H7504C)

Enclosure: 1) Stamped label  
2) A-79 Enclosure

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This draft represents copy in response to Agency letter of 10/8/92

**MICRO FLO  
DYFONATE 2-G**

**ACTIVE INGREDIENT:**

O-Ethyl S-phenyl ethylphosphonodithioate*	2.0%
INERT INGREDIENTS	98.0%
TOTAL	100.0%

\* DYFONATE (Contains 2 lbs. Active Ingredient per 100 pounds)

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

**JAN 7 - 1993**

**KEEP OUT OF REACH OF CHILDREN**

**WARNING!**

**AVISO**

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

**PRECAUTION** AL USUARIO: Si usted no lee ingles, no use este  
producto hasta que la etiqueta la haya sido explicada ampliamente.

**STATEMENT OF PRACTICAL TREATMENT**

**NOTE TO PHYSICIAN:** This product contains a cholinesterase inhibitor. Initial measures include removal of secretions, maintenance of a patent airway, and if necessary, artificial respiration. When cyanosis is relived, atropine by injection is antidotal and may be administered in large therapeutic doses, repeated as necessary to the point of tolerance. If symptoms warrant further treatment, 2-PAM (Protopam Chloride) has shown utility as adjunctive therapy. Never use morphine. Continued absorption of the poison may occur, resulting in fatal relapse after initial improvement; very close supervision of the patient is indicated for at least 48 to 72 hours.

**IF SWALLOWED:** Immediately give several glasses of water and induce vomiting by placing a finger on the back of the victim's tongue. Give fluids until vomitus is clear. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person. Call a physician or Poison Control Center.

**FOR SKIN CONTACT:** Flush with large amounts of running water for 15 minutes. Remove contaminated clothing and shoes. Get medical attention.

**FOR EYE CONTACT:** Immediately flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart to insure rinsing of the entire surface of the eye and lids with water. Get medical attention immediately.

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IF INHALED: Remove to fresh air. If not breathing, clear victim's airway and start mouth-to-mouth artificial respiration. If breathing is difficult, give oxygen, preferably with a physician's advice. Get medical attention immediately.

EPA Reg. No. 51036-RIA

EPA Est. No. 51036-GA-1

Manufactured By  
**MICRO FLO COMPANY**  
P.O. Box 5948  
Lakeland, Florida 33807

### **PRECAUTIONARY STATEMENTS**

#### **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

##### **WARNING**

MAY BE FATAL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN, RAPIDLY ABSORBED THROUGH THE SKIN. DO NOT GET IN THE EYES, ON SKIN, OR ON CLOTHING. AVOID BREATHING OF DUST.

Wear rubber gloves, shoes, protective clothing and goggles when handling or applying.

Wash hands, arms, and face thoroughly with soap and water after handling and before eating, drinking, or smoking. Routinely shower or bathe after work and wash all clothing with soap and hot water before reusing. In case of contact, immediately remove contaminated clothing and wash thoroughly with soap and water.

##### **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and wildlife. Birds feeding in treated areas may be killed. Remove or cover granules if spills occur. Runoff from treated areas may be hazardous to fish in neighboring areas. 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 when disposing of equipment washwaters. For guidance contact your regional office of the EPA. Apply this product only as specified on the label.

##### **FOR PESTICIDE EMERGENCY**

**CALL A PHYSICIAN IMMEDIATELY:** If a known exposure occurs, or if poisoning is suspected, do not wait for symptoms to develop. Immediately start the procedures given below and simultaneously contact a Poison Center, a physician, or the nearest hospital.

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NOTE: Be sure to advise the person contacted that the compound is a cholinesterase inhibitor. Describe the type of exposure, the victim's symptoms and follow the advice given.

POISON SYMPTOMS: DYFONATE is a highly toxic cholinesterase inhibitor. Symptoms of poisoning include headache, blurred vision, weakness, nausea, discomfort in the chest, abdominal cramps, vomiting, diarrhea, salivation, sweating and pinpoint pupils.

ALWAYS CALL A PHYSICIAN IN CASE OF SUSPECTED POISONING. Atropine by injection is antidotal.

In case of spill, isolate the spill.

HOLD this package, other cargo and vehicles involved. IMMEDIATELY TELEPHONE (24-Hour Service) for emergency assistance: 800/424-9300.

In case of a significant spill, call CHEMTREC 800/424-9300.

Read all directions before using.

Do not transport or store DYFONATE 2-G with food or feed intended for human or animal consumption.

#### **DIRECTIONS FOR USE**

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

#### **RE-ENTRY STATEMENT**

Do not enter treated areas for 24 hours after application unless appropriate protective clothing is worn.

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.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Do not apply or allow to drift to areas occupied by beneficial animals or onto adjoining food, fiber or pasture crops. Do not contaminate food or feed.

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 be given if there is reason to believe that written warnings cannot be understood by workers.

When oral warnings are given, warnings shall be given in a language customarily understood by workers and must indicate the specific period of time that treated areas may not be entered without protective clothing. Oral warnings must also include appropriate first aid instructions in case of accidental exposure. These instructions are given in the STATEMENT OF PRACTICAL TREATMENTS at the beginning of this label.

Written warnings must include the following information:  
"WARNING": Area treated with DYFONATE Agricultural Insecticide on (date of application). Do not enter treated areas for 24 hours after application unless appropriate protective clothing is worn (or other reentry interval if your state has a more restrictive interval for this product). If accidental exposure occurs, follow the instructions below." (Written warnings must include the STATEMENT OF PRACTICAL TREATMENT given at the beginning of this label.)

### STORAGE AND DISPOSAL

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

STORAGE: Do not transport or store with any food or feed intended for human or animal consumption. Not for use or storage in or around the home.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for Guidance.

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.

Do not transport or store DYFONATE 2-G with any food or feed intended for human or animal consumption.

Not for use or storage in or around the home.

Store in original container.

### GENERAL PRECAUTIONS

Read all directions before using.

Do not apply on any crop, or in any manner not specified on this label.

Do not rotate with carrots.

### APPLICATION INSTRUCTIONS

#### BEANS, GREEN AND DRY:

For control of garden symphylans and wireworms, apply 40 pounds (for symphylans) or 80 pounds (for symphylans and wireworms) DYFONATE 2-G per acre, broadcast, prior to planting and incorporate into the soil to a depth of 2 to 3 inches using suitable tillage equipment. For symphytan control reduce rate proportionately for band treatment.

For control of seed corn maggot, (Northwestern U.S. only) apply 40 to 80 pounds DYFONATE 2-G per acre, Broadcast on soil surface, prior to planting, and incorporate to a depth of 2 to 4 inches using suitable tillage equipment. Use the higher rate where population pressure is severe.

Limit seasonal application to 200 pounds of product per acre.

#### BEANS, LIMA:

For control of garden symphylans, apply 40 pounds DYFONATE 2-G per acre, broadcast, prior to planting and incorporate into the soil to a depth of 2 to 3 inches using suitable tillage equipment. Reduce rate proportionately for band treatments.

Limit seasonal application to 200 pounds of product per acre.

#### CROPS (Broccoli, Brussels Sprouts, Cabbage, Cauliflower):

For control of garden symphylans prior to and at time of seeding or transplanting, apply 40 pounds per acre, broadcast, and incorporate into the soil to a depth of 2 to 3 inches. Reduce rate proportionately for band treatments.

Limit seasonal application to 200 pounds of product per acre.

#### CORN (Field, Sweet and Popcorn):

NOTE: May be used in corn grown for grain or silage.

A. Band application for control of northern, southern and western corn rootworms, lesser cornstalk borer, seed corn beetle and seed corn maggot, and for suppression of wireworms and black cutworm (recommended for seed corn beetle in the Central and Midwestern corn growing areas only).

Apply the rates recommended in the following table in a 6 to 8 inch band over corn rows 38 to 40 inches apart.

<u>INSECT</u>	<u>RATE PER ACRE</u>	<u>RATE PER 1000 LINEAR FEET</u>
Corn rootworms	15 to 20 pounds	18 to 24 ounces

Seed corn beetle		
Seed corn maggot		
Wireworms	20 pounds	24 ounces
Black cutworms		
Lesser Cornstalk borer	40 pounds	44 ounces

Band Application at Planting: Incorporate into the top 1/2 to 1 inch of soil by making application ahead of the press wheels, or by dragging a short length of chain behind the press wheels. Do not apply DYFONATE 2-G in furrow. Do not place DYFONATE 2-G in direct contact with the seed, OR

2. Band Application at Cultivation: Cover the treated band with 2 to 3 inches of soil by making application immediately ahead of disc hillers or cultivation equipment. Make application in May or June when activity of rootworm larvae is first observed. Not recommended for control of lesser cornstalk borer or for suppression of wireworms or black cutworm. Do not apply within 45 days of harvest nor feed or graze to livestock within 30 days of treatment.

B. Broadcast application for control of symphylans, northern, southern, and western corn rootworms, wireworms and maize billbugs;

Apply 40 pounds (for symphylans) or 80 pounds (for symphylans, wireworms and maize billbugs) DYFONATE 2-G per acre prior to planting and incorporate into the soil by discing. Recommended for billbugs in the Southeastern U.S. only.

C. Band or broadcast application for control of European corn borer and southwestern corn borer: Apply 20 pounds DYFONATE 2-G per acre over the corn, so granules fall into whorls. May be applied broadcast using air or ground equipment, or in 6 to 8 inch bands over corn rows 30 inches or more apart.

Do not apply within 45 days of harvest nor feed or graze to livestock within 30 days of treatment.

1. European corn borer. Make application when 50% of the plants show first generation borer feeding. To control second generation corn borer, apply when field counts show 100 egg masses per 100 plants.

2. Southwestern corn borer. Apply when newly hatched larvae first appear. Repeat application as necessary to control later generations.

D. Band application for control of wireworms in sweet corn grown on muck soils (Florida only).

Based on 36 inch row spacing, apply 40 pounds DYFONATE 2-G per acre



in a 2 inch band over the furrow at planting. This is equivalent to 40 pounds DYFONATE 2-G per 14,520 linear feet of row (44 ounces per 1,000 linear feet of row).

Limit seasonal application to 200 pounds per acre for broadcast rates. Limit seasonal application to 100 pounds per acre for banded applications.

**MINT (Peppermint, Spearmint):**

For control of garden symphylans apply 40 pounds per acre, broadcast, and incorporate into the soil to a depth of 2 to 3 inches using suitable tillage equipment prior to planting or on established plantings prior to spring growth. Do not apply terbacil for at least 3 week before or after the DYFONATE 2-G application. Do not apply after May 15. Do not apply more than once per season. Not for use in California.

**BULB ONIONS:**

For control of onion maggot, apply as a furrow treatment at time of planting. Based on a 20 inch row spacing apply at a rate of 20 pounds per acre (20 lbs. per 26,135 ft. of row, 2 lbs. per 2,613 ft. of row; 3/4 lb. per 1,000 ft. of row). Use on organic soils only (soils containing 10% or more organic matter).

Limit seasonal application to 100 pounds per acre.

**PEANUTS: (Southeastern U.S.)**

For control of lesser cornstalk borer, southern corn rootworm and suppression of white mold (southern blight), *sclerotium rolfsii*, use 40 pounds DYFONATE 2-G per acre, in 18 inch bands on 36 inch rows.

OR

80 pounds DYFONATE 2-G per acre, broadcast, by air or ground equipment. Apply at pegging. For lesser cornstalk borer, apply DYFONATE 2-G at first signs of borer infestation after pegging begins. For heavy white mold infestations, a suitable fungicide treatment is necessary. DYFONATE 2-G may be used up to 30 days after pegging begins.

For control of white mold, apply PCNB granular fungicide in sequence with DYFONATE 2-G. Apply using separate granular hopper boxes and placing one bander directly behind the other. Refer to the PCNB label before using this combination.

Southwestern U.S. - For control of lesser cornstalk borer and southern corn rootworm, apply 40 pounds DYFONATE 2-G per acre in 18 inch bands on 36 inch rows. For lesser cornstalk borer only, 20 to 28 pounds DYFONATE 2-G per acre are recommended, applied in 14 inch bands on rows planted 32 or more inches apart.

All rates may be applied up to 30 days after pegging begins. For burrowing bug control, apply 20 to 40 pounds DYFONATE 2-G per acre in 18 inch bands on 36 inch rows.

OR

Broadcast 40 pounds DYFONATE 2-G per acre. Lightly incorporate into the soil with 1 to 2 inches of water. Recommended for control of burrowing bug in Texas only.

Limit seasonal application to 200 pounds per acre using broadcast rates. Limit seasonal application to 100 pounds per acre using banded rates (based on 36 inch row spacing).

#### POTATOES (Irish):

For control of garden symphylans and wireworms, apply 40 pounds (for symphylans) or 80 pounds (for symphylans and wireworms) DYFONATE 2-G per acre, broadcast, prior to planting and incorporating into the soil to a depth of 2 to 3 inches using suitable tillage equipment.

OR

For wireworm control in the Pacific Northwest only, apply at planting 40 pounds DYFONATE 2-G per acre (36 inch row spacing) in subsurface bands 3 to 4 inches on both sides of and 2 inches below the seed pieces.

Limit seasonal application to 200 pounds per acre at broadcast rates. Limit seasonal application to 100 pounds per acre at banded rates.

#### RADISH:

For control of cabbage maggot and garden symphylans prior to and at time of seeding, apply 40 pounds per acre, broadcast, and incorporate into the soil to a depth of 2 to 3 inches using suitable tillage equipment. For symphylans control, reduce rate proportionately for band treatments.

Limit seasonal application to 100 pounds per acre.

#### STRAWBERRIES:

For control of symphylans apply 40 pounds per acre, broadcast, and incorporate into the soil using suitable tillage equipment prior to planting or transplanting. Not for use in California.

Limit seasonal application to 100 pounds per acre.

#### SUGAR BEETS:

BAND APPLICATION FOR CONTROL OF SUGAR BEET ROOT MAGGOTS: Apply 20 to 30 pounds DYFONATE 2-G per acre in a 7 inch band over sugar beet rows 22 or more inches apart. Apply at planting and lightly

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incorporate into the soil. Do not place DYFONATE 2-G in direct contact with the seed. Recommended in Colorado and the Northwest sugar beet growing areas only.

Limit seasonal application to 200 pounds per acre at broadcast rates. Limit seasonal application to 75 pounds per acre at banded rates.

**SUBSURFACE APPLICATION FOR CONTROL OF SUGAR BEET ROOT MAGGOTS:**  
(Recommended in the Big Horn Basin of Wyoming only) - apply 30 pounds DYFONATE 2-G per acre 2 inches from the seed furrow and 2 inches below the soil surface on the irrigated side of sugar beet rows spaced 22 or more inches apart (equivalent to 21 ounces DYFONATE 2-G per 1,000 linear feet of row). Do not place DYFONATE 2-G in direct contact with the seed.

**BROADCAST APPLICATION FOR CONTROL OF SYMPHYLANS AND WIREWORMS:**  
Apply 40 pounds (for symphylans) or 80 pounds (for symphylans and wireworms) DYFONATE 2-G per acre, Broadcast, prior to planting and incorporate into the soil to a depth of 2 to 3 inches using suitable tillage equipment. For symphylan control, reduce rate proportionately for band treatments.

Limit seasonal application to 200 pounds per acre.

**SUGARCANE:**

For wireworm control apply 40 to 60 pounds (60 pounds outside of Florida) DYFONATE 2-G per acre in a 14 inch band on cane rows 60 inches apart. Apply over the tops of sugar cane seed pieces immediately ahead of covering discs. This is equivalent to 4.5 - 7.0 pounds of DYFONATE 2-G per 1,000 linear feet of row.

Limit seasonal application to 200 pounds per acre.

**TABLE BEETS:**

For control of cabbage maggot and garden symphylans, apply 40 pounds per acre, broadcast, prior to planting. Incorporate into the soil to a depth of 2 to 3 inches using suitable tillage equipment. For symphylan control, reduce rate proportionately for band treatment.

Limit seasonal application to 200 pounds per acre.

**TOMATOES:**

For control of garden symphylans, apply 40 pounds of DYFONATE 2-G per acre, broadcast, prior to planting and incorporate into the soil to a depth of 2 to 3 inches using suitable tillage equipment. Reduce rate proportionately for band treatments.

Limit seasonal application to 100 pounds per acre.

**NOTICE - READ CAREFULLY**

NOTICE TO BUYER AND USER: Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to Seller, and Buyer and User assume the risk of any such use. SELLER DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY, SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THE PRODUCT AND SELLER'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE.