

PM 14

10182-180

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

JUN 17 1993

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Dear Registrant:

Subject: Label Amendment Submission of 5/14/93 in Compliance with the
PR Notice 93-7
DYFONATE II 10-G Granular Insecticide, EPA Reg. No. 10182-180

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is accepted subject to the comments listed below. Five copies of the finished labeling must be submitted prior to releasing the product for shipment.

Based on your certification, the Agency has accepted only those changes to your labeling which are necessary to comply with PR Notice 93-7, which reflects the WPS labeling requirements of 40 CFR part 156, subpart K. Any changes to the labeling submitted in connection with this amendment application not directly related to compliance with PR Notice 93-7 were not reviewed and have not been accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, acceptance of this labeling amendment does not affect the suspension in any way.

We wish to remind you that on your final printed label the "Agricultural Use Requirements" text and the "User Safety Recommendations" text must be shown in boxes on the label. Each of these texts must be shown in a clearly separate box on the product label. The boxes will be delineated with lines or other graphic indicators, or possibly with background shading or coloring to readily distinguish them from other text on the label.

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.

Sincerely,

Thomas Adamczyk, Deputy Chief
Fungicide-Herbicide Branch
Registration Division (H7505W)

Enclosure



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

DYFONATE II 10-G Container
DYF180C.RSJ - RS-051293J

**DYFONATE® II 10-G
Granular Insecticide**

Organophosphate

Soil Insecticide for Pest Control In A Variety of Crops

ACTIVE INGREDIENT:

O-Ethyl-S-phenylethylphosphonodithioate* 10.0%

INERT INGREDIENTS: 90.0%

Total 100.0%

Contains 10 pounds active ingredient per 100 pounds
*fonofos

KEEP OUT OF REACH OF CHILDREN

WARNING

AVISO

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.)

EPA Reg. No. 10182-180
EPA Est. No.

50 Lbs. Net Wt. 22.7 Kg.

Made in U.S.A.
ZENECA Ag Products
ZENECA Inc.
Wilmington, DE 19897

ACCEPTED
with COMMENTS
in EPA Letter Dated

6/17/93

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
10182-180

STATEMENT OF PRACTICAL TREATMENT

FOR PESTICIDE EMERGENCY

CALL PHYSICIAN IMMEDIATELY: If a known exposure occurs, or if poisoning is suspected, do not wait for symptoms to develop. Immediately contact a Poison Control Center, a physician, or the nearest hospital.

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: The active ingredient in DYFONATE® II 10-G granular insecticide (fonofos) is an organophosphate pesticide that inhibits cholinesterase. ~~known to be a 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.**

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. Refer person to medical personnel. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

IF ON SKIN: Flush with large amounts of running water for 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse.

IF IN EYES: Immediately flush eyes with large amounts of running water for at least 15 minutes. Hold the eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. Get medical attention immediately!

IF INHALED: Remove to fresh air. If not breathing, clear victim's airway, start mouth-to-mouth artificial respiration. Get medical attention.

IF BREATHING IS DIFFICULT, give oxygen, preferably with a physician's advice. Get medical attention immediately.

**FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE, CALL 1-800-F-A-S-T-M-E-D
(327-8633)**

**FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC
1-800-424-9300.**

INFORMATION FOR MEDICAL PERSONNEL: If cholinesterase inhibition is suspected, initial measures should include, if necessary, removal of secretions, maintenance of airway, assisted respiration, and atropine as the antidote. Atropine may be injected in large therapeutic doses as needed to abate symptoms and as tolerated by the patient. Pralidoxime chloride (2-Pam, Protopam) can also be used as adjunctive therapy. The material may continue to be absorbed, resulting in relapse after initial improvement. Very close supervision of the patient is indicated for at least 48 to 72 hours.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

MAY BE FATAL IF SWALLOWED, INHALED, OR ABSORBED THROUGH THE SKIN. DO NOT BREATHE DUST. RAPIDLY ABSORBED THROUGH THE SKIN. AVOID CONTACT WITH THE EYES, SKIN, OR CLOTHING.

~~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 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.~~

PERSONAL PROTECTIVE EQUIPMENT:

Applicators and other handlers must wear:

- Coveralls over short-sleeved shirt and short pants.
- Waterproof gloves.
- Chemical-resistant footwear plus socks.
- Protective eyewear.
- Chemical-resistant headgear for overhead exposure.
- Chemical-resistant apron when cleaning equipment, mixing, or loading.

BEST AVAILABLE COPY

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

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.

User Safety Recommendations

Users should:

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

Do not transport or store DYFONATE II 10-G with any food or feed intended for human or animal consumption.

Not for use or storage in or around the home.

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DYFONATE II 10-G Container
DYF180C.RSJ - RS051293J

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 or 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.

In case of spill, isolate the spill.

Hold this package, other cargo and vehicles involved.

**Immediately telephone (24-hour service) for emergency assistance CHEMTREC
1-800-424-9300.**

DIRECTIONS FOR USE

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

Refer to attached booklet for use directions.

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.

Application of a sulfonylurea herbicide such as Beacon® herbicide and Accent® herbicide following application of a soil insecticide such as DYFONATE II 10-G may result in crop injury. Follow the Directions for Use and Precautions contained on the sulfonylurea herbicide label.

GENERAL USE PRECAUTIONS

- Read all directions before using.
- Do not apply on any crop or in any manner not specified on this label.
- Do not rotate to carrots.
- 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.

AGRICULTURAL USE REQUIREMENTS

BEST AVAILABLE COPY

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 protection equipment (PPE), notification to workers, and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval REI. Each 48-hour REI is increased to 72 hours in outdoor areas where average annual rainfall is less than 25 inches a year. **Exception:** If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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 over short-sleeved shirt and short pants.
- Waterproof gloves.
- Chemical-resistant footwear plus socks.
- Protective eyewear.

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

REENTRY STATEMENTS

- ~~Do not enter treated areas without protective clothing until treatments have been completed.~~
- ~~Foliar Applications (over the top) for Corn and Sorghum: Do not allow reentry into treated fields within 10 days of application unless appropriate protective clothing is worn. Protective clothing means, at least, a hat or other suitable head covering, gloves, a long sleeved shirt and long legged trousers or overall type garment (all closely woven fabric covering the body, including the arms and legs), shoes and socks.~~
- ~~Foliar Applications (over the top) for Peanuts: 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.~~
- ~~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 TREATMENT** section.~~

~~Written warnings must include the following information, "**WARNING**, Area treated with **DYFONATE II 10-G Agricultural Insecticide** on (date of application). Do not enter treated areas for foliar applications in corn and sorghum for 10 days (24 hours for foliar applications to peanuts) after application unless appropriate protective clothing is worn (or other reentry interval if your state has a more restrictive interval for this product)." (Written warnings must include the **STATEMENT OF PRACTICAL TREATMENT** section.)~~

BEST AVAILABLE COPY

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.

FOR BULK CONTAINERS

CONTAINER DISPOSAL: Reseal container and offer for reconditioning, or triple rinse (or equivalent) and offer for recycling or reconditioning, or clean in accordance with manufacturer's instructions.

CONTAINER PRECAUTIONS: Before refilling, inspect thoroughly for damage such as cracks, punctures, bulges, dents, abrasions, and damaged or worn threads on closure devices.

REFILL ONLY WITH DYFONATE II 10-G. The contents of this container cannot be completely removed by cleaning. Refilling with materials other than DYFONATE II 10-G will result in contamination and may weaken container.

After filling and before transporting, check for leaks.

Do not refill or transport damaged or leaking container.

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!

IMPORTANT: Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product.

CONDITIONS OF SALE AND LIMITED WARRANTY:

The Directions for Use of this product are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended or other influencing factors in the use of the product, all of which are beyond the control of the seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label, subject to the inherent risks referred to above, 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 conditions or under conditions not reasonably foreseeable to or beyond the control of 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.

When Buyer or User claims losses or damages resulting from the use or handling of this product (including claims based on contract, negligence, strict liability or other legal theories), Buyer or User must promptly notify in writing Seller of any claims to be eligible to receive either of the remedies set forth below. The EXCLUSIVE REMEDY OF BUYER OR USER and the LIMIT OF LIABILITY of Seller will be, at the election of Seller, refund of the purchase price paid for product bought, or replacement of amount of product used. SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT AND SELLER'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE.

DYFONATE® is a trademark of an ICI Group Company.
Accent® is a trademark of E. I. du Pont de Nemours & Co. (Inc.).
Beacon® is a trademark of CIBA-GEIGY Corporation.

**DYFONATE® II 10-G
Granular Insecticide**

Organophosphate

Soil Insecticide for Pest Control In A Variety of Crops

COMPLETE DIRECTIONS FOR USE

EPA Reg. No. 10182-180
EPA Est. No.

Made in U.S.A.
ZENECA Ag Products
ZENECA Inc.
Wilmington, DE 19897

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KEEP OUT OF REACH OF CHILDREN

WARNING

AVISO

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.)

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ACTIVE INGREDIENT:

O-Ethyl-S-phenylethylphosphonodithioate* 10.0%

INERT INGREDIENTS: 90.0%

Total 100.0%

ACCEPTED
with COMMENTS
in EPA Letter Dated

Contains 10 pounds active ingredient per 100 pounds
*fonofos

6/17/93

STATEMENT OF PRACTICAL TREATMENT

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

10182-180

FOR PESTICIDE EMERGENCY

CALL PHYSICIAN IMMEDIATELY: If a known exposure occurs, or if poisoning is suspected, do not wait for symptoms to develop. Immediately contact a Poison Control Center, a physician, or the nearest hospital.

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: The active ingredient in DYFONATE® II 10-G granular insecticide (fonofos) is an organophosphate pesticide that inhibits cholinesterase. ~~known to be a 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.**

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. Refer person to medical personnel. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

IF ON SKIN: Flush with large amounts of running water for 15 minutes. Remove contaminated clothing and shoes. Get medical attention. ~~Wash clothing before reuse.~~

IF IN EYES: Immediately flush eyes with large amounts of running water for at least 15 minutes. Hold the eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. Get medical attention immediately!

IF INHALED: Remove to fresh air. If not breathing, clear victim's airway, start mouth-to-mouth artificial respiration. Get medical attention.

IF BREATHING IS DIFFICULT, give oxygen, preferably with a physician's advice. Get medical attention immediately.

**FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE, CALL 1-800-F-A-S-T-M-E-D
(327-8633)**

**FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC
1-800-424-9300.**

INFORMATION FOR MEDICAL PERSONNEL: If cholinesterase inhibition is suspected, initial measures should include, if necessary, removal of secretions, maintenance of airway, assisted respiration, and atropine as the antidote. Atropine may be injected in large therapeutic doses as needed to abate symptoms and as tolerated by the patient. Pralidoxime chloride (2-Pam, Protopam) can also be used as adjunctive therapy. The material may continue to be absorbed, resulting in relapse after initial improvement. Very close supervision of the patient is indicated for at least 48 to 72 hours.

PRECAUTIONARY STATEMENTS**HAZARDS TO HUMANS AND DOMESTIC ANIMALS****WARNING**

MAY BE FATAL IF SWALLOWED, INHALED, OR ABSORBED THROUGH THE SKIN. DO NOT BREATHE DUST. RAPIDLY ABSORBED THROUGH THE SKIN. AVOID CONTACT WITH THE EYES, SKIN, OR CLOTHING.

~~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 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.~~

PERSONAL PROTECTIVE EQUIPMENT:

Applicators and other handlers must wear.

- Coveralls over short-sleeved shirt and short pants.
- Waterproof gloves.
- Chemical-resistant footwear plus socks.
- Protective eyewear.
- Chemical-resistant headgear for overhead exposure.
- Chemical-resistant apron when cleaning equipment, mixing, or loading.

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

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User Safety Recommendations

Users should:

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

Do not transport or store DYFONATE II 10-G with any food or feed intended for human or animal consumption.

Not for use or storage in or around the home.

BEST AVAILABLE COPY

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 or 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.

**In case of spill, isolate the spill.
Hold this package, other cargo and vehicles involved.
Immediately telephone (24-hour service) for emergency assistance CHEMTREC
1-800-424-9300.**

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.

Application of a sulfonylurea herbicide such as Beacon® herbicide and Accent® herbicide following application of a soil insecticide such as DYFONATE II 10-G may result in crop injury. Follow the Directions for Use and Precautions contained on the sulfonylurea herbicide label.

GENERAL USE PRECAUTIONS

- Read all directions before using.
- Do not apply on any crop or in any manner not specified on this label.
- Do not rotate to carrots.
- 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.

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 protection equipment (PPE), notification to workers, and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval REI. Each 48-hour REI is increased to 72 hours in outdoor areas where average annual rainfall is less than 25 inches a year. **Exception:** If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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 over short-sleeved shirt and short pants.
- Waterproof gloves.
- Chemical-resistant footwear plus socks.
- Protective eyewear.

BEST AVAILABLE COPY

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

REENTRY STATEMENTS

- ~~• Do not enter treated areas without protective clothing until treatments have been completed.~~
- ~~• Foliar Applications (over the top) for Corn and Sorghum: Do not allow reentry into treated fields within 10 days of application unless appropriate protective clothing is worn. Protective clothing means, at least, a hat or other suitable head covering, gloves, a long-sleeved shirt and long-legged trousers or overall type garment (all closely woven fabric covering the body, including the arms and legs), shoes and socks.~~
- ~~• Foliar Applications (over the top) for Peanuts: 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.~~
- ~~• 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 the 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 TREATMENT** section.~~

~~Written warnings must include the following information, "**WARNING**, Area treated with DYFONATE II 10-G Granular Insecticide on (date of application). Do not enter treated areas for foliar applications in corn and sorghum for 10 days (24 hours for foliar applications to peanuts) after application unless appropriate clothing is worn (or other reentry interval if your state has a more restrictive interval for this product)." (Written warnings must include the **STATEMENT OF PRACTICAL TREATMENT** section.)~~

BEST AVAILABLE COPY

GAUGE SETTINGS AND CALIBRATION INSTRUCTIONS

NOTE: These settings should be used as starting points only. Continually check the amount of DYFONATE II 10-G used against a known length of row or acreage and make further adjustments accordingly. Also, check calibration occasionally to make sure equipment wear, changing conditions, etc., have not caused a change in flow rate.

GAUGE SETTINGS DYFONATE II 10-G 12 OZ/1000 FT. OF ROW AND 22 OZ/1000 FT. OF ROW						
EQUIPMENT	SPEED IN MPH					
	4		6		8	
APPLICATION RATE: OUNCES PER 1000 FT. OF ROW	12	22	12	22	12	22
Gandy bolt on bottom	26	34	31	41	35	48
Gandy snap-on bottom	26	34	31	41	35	47
Noble (round opening)	22	31	29	38	33	45
Noble (rectangular opening)	15	24	21	32	26	41
John Deere 1986 Maxi-Emerge II (adjustable knob-0-79)	33	50	45	58	32	68
John Deere 7000 Maxi-Emerge (Even) (0-10-20-30-40)	24	33	31	38	35	45
John Deere 7000 Maxi-Emerge (Odd) (5-15-25-35-45)	18	25	23	31	26	37
John Deere (metal box with 3 range settings and dial) Range/Notch	2/13	3/6	2/32	3/28	3/9	*
International Harvester (one gauge per hopper) Gate/Dial	2/7	4/5	3/8	6/4	4/8	8/3
International Harvester (two gauges per hopper) Gate/Dial	3/0	4/8	4/1	6/7	5/1	8/6
Buffalo (with gauge)	21	31	27	40	33	*
Buffalo (fluted-roll feed-revolutions on: hexagonal adjusting nut)	3-1/3	5-5/6	Uniform Flow at All Speeds			
Allis Chalmers (old)	5	7	Uniform Flow at All Speeds			
Allis Chalmers (new, with Noble metering unit)	16	25	22	23	27	41
Microband - Canaan Industries	16**	27**	Uniform Flow at All Speeds			

* Unable to deliver quantity of DYFONATE II 10-G required at speed indicated.

** Number of teeth - Silver Rotor. For additional rates/settings or for Double-Box units, contact Canaan Industries at 1-800-633-7560.

RECOMMENDATIONS					
CROPS	APPLICATION METHOD	PESTS CONTROLLED	RATES OF DYFONATE II 10-G	REMARKS	APPLICATION DIRECTIONS
ASPARAGUS	Up to 30 days prior to harvest	Symphylans (Suppression)	Broadcast: 30 to 40 pounds per acre. Max. 40 lbs./year.	Recommended in California only. Reduce the rate proportionately for band treatments. Restricted-entry interval 48 hours.	Broadcast: Apply DYFONATE II 10-G and incorporate into the soil to a depth of 2 to 3 inches using suitable tillage equipment. Do not apply within 30 days of harvest.
BEANS, GREEN & DRY	Prior to Planting	Symphylans Wireworms Seed Corn Maggot	Broadcast: 20 pounds per acre. Broadcast: 40 pounds per acre. Broadcast: 20 to 40 pounds per acre. Max. of 40 lbs/A per season.	For symphylan control, reduce the rate proportionately for band treatments. Recommended for control of seed corn maggot in the Northwest U.S. only. Use the higher rate where population pressure is severe. Restricted-entry interval 48 hours.	Broadcast: Apply DYFONATE II 10-G prior to planting and incorporate into the soil to a depth of 2 to 3 inches using suitable tillage equipment.
BEANS, LIMA	Prior to Planting	Symphylans	Broadcast: 20 pounds per acre. Max. of 20 lbs/A per season.	Reduce the rate proportionately for band treatments. Restricted-entry interval 48 hours.	Broadcast: Apply DYFONATE II 10-G prior to planting and incorporate into the soil to a depth of 2 to 3 inches using suitable tillage equipment.
COLE CROPS (Broccoli, Brussels Sprouts, Cabbage, and Cauliflower)	Prior to Planting or at Planting	Cabbage Maggot Symphylans	Broadcast: 40 pounds per acre. Broadcast: 20 pounds per acre. Max. of 40 lbs/A per season.	Not recommended in the Northwestern U.S. Reduce the rate proportionately for band treatments. Restricted-entry interval 48 hours.	Broadcast: Apply DYFONATE II 10-G prior to or at time of seeding or transplanting and incorporate into the soil to a depth of 2 to 3 inches using suitable tillage equipment.

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RECOMMENDATIONS					
CROPS	APPLICATION METHOD	PESTS CONTROLLED	RATES OF DYFONATE II 10-G	REMARKS	APPLICATION DIRECTIONS
CORN-FIELD (Dent, Seed, Grain, Silage) SWEET, POPCORN	Prior to Planting or at Planting	Northern, Southern, and Western Corn Rootworm	Band: 12 oz. per 1000 linear feet.	May be used on conventional, minimum or conservation and no-till tillage systems. With heavy infestations of cutworms, a sufficient number of larvae may survive the DYFONATE II 10-G treatment to cause damage to the corn. If this occurs, an insecticide rescue treatment with AMBUSH® insecticide or another insecticide registered for this use should be made to control these surviving larvae. DYFONATE II 10-G is recommended for control of seedcorn beetle in the Central & Midwestern corn growing areas only. Band applications of DYFONATE II 10-G will provide suppression of wireworms. Use the broadcast application for control. DYFONATE II 10-G is recommended for control of maize billbug in the Southeastern U.S. only. Restricted-entry interval 48 hours.	Band: Apply DYFONATE II 10-G in a 7 inch wide band using a row bander directly behind the seed furrow opener and in front of the press wheels, or in a 7 inch wide band directly behind the press wheels using drag chains or spring tines to ensure incorporation. Under windy conditions the use of windshields is recommended to prevent drift. Some granules can fall into the open furrow without causing harm to the seed. However, to avoid stand reduction, do not make "in-furrow" applications of DYFONATE II 10-G. Broadcast: Apply DYFONATE II 10-G prior to planting and incorporate into the soil to a depth of 2 to 3 inches using suitable tillage equipment.
		or	Broadcast: 40 pounds per acre.		
		Cutworms ¹			
		Suppression of White Grubs			
		Seedcorn Maggot			
		Seedcorn Beetle			
		<u>Wireworms</u>			
		<u>Lesser Corn-Stalk Borer</u>	Band: 24 oz. per 1000 linear ft.		
		<u>Symphylans</u>	Broadcast: 20 pounds per acre.		
		<u>Maize Billbug</u>	Broadcast: 40 pounds per acre.		
			Max. of 40 lbs/A per season.		
			Regardless of application method (prior to or at planting, cultivation, or over the whorl) do not exceed 40 lbs/A per season.		

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RECOMMENDATIONS					
CROPS	APPLICATION METHOD	PESTS CONTROLLED	RATES OF DYFONATE II 10-G	REMARKS	APPLICATION DIRECTIONS
	At Cultivation	Northern, Southern, and Western Corn Rootworm	Band: 12 oz. per 1000 linear feet. Max. of 12 oz. per 1000 linear feet per season. Regardless of application method (prior to or at planting, cultivation, or over the whorl) do not exceed 40 lbs/A per season.	Apply DYFONATE II 10-G when activity of rootworm larvae is first observed. Restricted-entry interval 48 hours.	<u>Band:</u> Apply DYFONATE II 10-G in a 7 inch wide band over the corn rows. Cover the treated bands with 2 to 3 inches of soil by making the application ahead of disc hillers or cultivation equipment. Do not apply within 45 days of harvest nor feed or graze livestock within 30 days of treatment.
	Over The Whorl	European Corn Borer, Southwestern Corn Borer Reduction of Fall Armyworm Populations	Band: 12 oz. per 1000 linear feet. or Broadcast: 10 pounds per acre. Max. of 10 lbs/A per season. Regardless of application method (prior to or at planting, cultivation, or over the whorl) do not exceed 40 lbs/A per season.	Consult your State Agricultural Experiment Station or extension service specialist for local treatment threshold and application timing information. Scouting for insect damage is strongly recommended. Restricted-entry interval 10 days.	<u>Band or Broadcast:</u> Apply DYFONATE II 10-G over the corn rows so granules fall into the whorl. May be applied broadcast, using air or ground equipment, or in a band directed over corn rows. Do not apply within 30 days of harvest nor feed or graze livestock within 30 days of treatment.
SWEET CORN (Grown on Muck Soils)	At Planting	Wireworms	Band: 22 oz. per 1000 linear feet. Max. of 40 lbs/A per season.	Recommended in Florida only. Restricted-entry interval 48 hours.	<u>Band:</u> Apply DYFONATE II 10-G in a 2 inch wide band over the corn rows.

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RECOMMENDATIONS					
CROPS	APPLICATION METHOD	PESTS CONTROLLED	RATES OF DYFONATE II 10-G	REMARKS	APPLICATION DIRECTIONS
MINT	Prior to Planting	Symphytans	Broadcast: 20 pounds per acre. Max. of 20 lbs/A per season.	Do not apply after May 15. Do not apply more than once per season. Restricted-entry interval 48 hours.	<u>Broadcast:</u> Incorporate into the soil using suitable tillage equipment prior to planting or on established planting prior to spring growth. Do not apply terbacil for at least 3 weeks before or after DYFONATE II 10-G application.
ONIONS, BULB	At Planting	Onion Maggot	In-Furrow: 6 oz. per 1000 linear feet. Max. of 6 oz. per 1000 linear feet per season.	Use only in soils containing 10% or more organic matter. Restricted-entry interval 48 hours.	<u>In-Furrow:</u> Apply DYFONATE II 10-G into the furrow at time of planting.
PEANUTS (Southeastern U.S.)	At early flowering or up to 30 days after pegging begins	Southern Corn Rootworm, Granulate Cutworm Lesser Cornstalk Borer Suppression of White Mold (<i>Sclerotium rolfsii</i>)	Band: 22 oz. per 1000 linear feet or Broadcast: 40 pounds per acre. Max. of 40 lbs/A per season.	For control of southern corn rootworm and granulate cutworm, apply DYFONATE II 10-G at early flowering or pegging. Do not harvest within 21 days after treatment. For control of lesser cornstalk borer, apply DYFONATE II 10-G at first signs of borer infestation after pegging begins. For heavy white mold infestations a suitable fungicide treatment is necessary. Restricted-entry interval 48 hours.	<u>Band:</u> Apply DYFONATE II 10-G in an 18 inch wide band. <u>Broadcast:</u> Apply DYFONATE II 10-G by air or ground equipment.

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RECOMMENDATIONS					
CROPS	APPLICATION METHOD	PESTS CONTROLLED	RATES OF DYFONATE II 10-G	REMARKS	APPLICATION DIRECTIONS
PEANUTS (Southwestern U.S.)	At pegging or up to 30 days after pegging begins	Southern Corn Rootworm Lesser Cornstalk Borer Burrowing Bug	Band: 22 oz. per 1000 linear ft. Band: 9.8 to 13.7 oz. per 1000 linear ft. Band: 11 to 22 oz. per 1000 linear ft. or Broadcast: 20 pounds per acre. Max. of 40 lbs/A per season.	Recommended for control of burrowing bug in Texas only. Restricted-entry interval 48 hours.	<u>Band:</u> Apply DYFONATE II 10-G in an 18 inch wide band. <u>Band:</u> Apply DYFONATE II 10-G in a 14 inch wide band. <u>Band:</u> Apply DYFONATE II 10-G in an 18 inch wide band. <u>Broadcast:</u> Apply DYFONATE II 10-G and lightly incorporate into the soil with 1 to 2 inches of water.
POTATOES (Irish)	Prior to Planting or at Planting	Wireworms Symphylans	Subsurface Bands: 20 oz. per 1000 linear feet. or Broadcast: 40 pounds per acre. Broadcast: 20 pounds per acre. Max. of 40 lbs/A per season.	The use of subsurface bands is recommended in the Pacific Northwest only. This application will control light to moderate infestations of wireworms. Use the 40 pound per acre broadcast application for heavy infestations of wireworms. Restricted-entry interval 48 hours.	<u>Subsurface Bands:</u> Apply DYFONATE II 10-G in subsurface bands 3 to 4 inches on both sides of and 2 inches below the seed pieces. <u>Broadcast:</u> Apply DYFONATE II 10-G prior to or at time of planting and incorporate into the soil to a depth of 2 to 3 inches using suitable tillage equipment.
RADISH	Prior to Planting or at Planting	Cabbage Maggot Symphylans	Broadcast: 20 pounds per acre. Max. of 20 lbs/A per season.	For symphylan control, reduce the rate proportionately for band treatments.	<u>Broadcast:</u> Apply DYFONATE II 10-G prior to or at time of planting and incorporate into the soil to a depth of 2 to 3 inches using suitable tillage equipment.

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RECOMMENDATIONS					
CROPS	APPLICATION METHOD	PESTS CONTROLLED	RATES OF DYFONATE II 10-G	REMARKS	APPLICATION DIRECTIONS
SORGHUM (Milo)	At Planting	Northern, Southern, and Western Corn Rootworm Lesser Cornstalk Borer	Band: 12 oz. per 1000 linear feet. Max. of 12 oz. per 1000 linear feet per season.	Restricted-entry interval 48 hours.	Band: Apply DYFONATE II 10-G in a 7 inch wide band using a row bander directly behind the seed furrow opener and in front of the press wheels, or in a 7 inch wide band directly behind the press wheels using drag chains or spring tines to ensure incorporation. Under windy conditions the use of windshields is recommended to prevent drift. Some granules can fall into the open furrow without causing harm to the seed. However, to avoid stand reduction, do not make "in- furrow" applications of DYFONATE II 10-G.
	Over The Top	Corn Leaf Aphid Greenbug	Broadcast: 7.5 pounds per acre. Max. of 15 lbs/A per season.	Recommended in Texas only. Limit postemergence use to 2 applications per crop. Restricted-entry interval 10 days.	Broadcast: Apply DYFONATE II 10-G over the top using aerial equipment. Use only on irrigated sorghum. Do not harvest nor feed or graze livestock within 14 days of application.
STRAWBERRIES	Prior to Planting	Symphylans	Broadcast: 20 pounds per acre. Max. of 20 lbs/A per season.	Restricted-entry interval 48 hours.	Broadcast: Incorporate into the soil using suitable tillage equipment prior to planting or transplanting. (For band treatments, reduce the rate proportionately.)

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RECOMMENDATIONS					
CROPS	APPLICATION METHOD	PESTS CONTROLLED	RATES OF DYFONATE II 10-G	REMARKS	APPLICATION DIRECTIONS
SUGAR BEETS	Prior to Planting or at Planting	Sugar Beet Root Maggot	Band: 6.8 to 10.5 oz. per 1000 linear feet. Subsurface Band: 10.5 oz. per 1000 linear feet.	To avoid stand reduction, do not place DYFONATE II 10-G in direct contact with the seed.	<u>Band:</u> Apply DYFONATE II 10-G in a 7 inch wide band over the sugar beet rows. Incorporate lightly into the soil using suitable tillage equipment. <u>Subsurface Band:</u> Apply DYFONATE II 10-G 2 inches from the seed furrow and 2 inches below the soil surface on the irrigated side of the sugar beet rows. (Recommended in Big Horn Basin of Wyoming only). <u>Broadcast:</u> Apply DYFONATE II 10-G prior to planting and incorporate into the soil to a depth of 2 to 3 inches using suitable tillage equipment.
		Symphylans	Broadcast: 20 pounds per acre.	For symphylan control, reduce the rate proportionately for band treatments.	
		Wireworms	Broadcast: 40 pounds per acre. Max. of 40 lbs/A per season.	Restricted-entry interval 48 hours.	
SUGARCANE	At Planting	Wireworms	Band: 55.1 to 73.5 oz. per 1000 linear feet.	A use rate of less than 73.5 ounces per 1000 linear feet is only recommended in Florida. Restricted-entry interval 48 hours.	<u>Band:</u> Apply DYFONATE II 10-G in a 14 inch band over the tops of the sugarcane seed pieces immediately ahead of covering discs.
	Postemergence	White Grubs (Suppression)	Band: 73.5 ounces per 1000 linear feet. Max. of 40 lbs/A.	Recommended in the Southwestern U.S. only. Application should be timed according to the flight of the beetles. Consult your State Agricultural Experiment Station or extension service specialist for local treatment threshold and application timing information. Apply at any time from the peak of the adult flight up until two weeks after flight peak. Restricted-entry interval 48 hours.	<u>Band:</u> Apply DYFONATE II 10-G over the top of the cane row and lightly incorporate as close to the plants as possible. For best results irrigate after application.

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RECOMMENDATIONS					
CROPS	APPLICATION METHOD	PESTS CONTROLLED	RATES OF DYFONATE II 10-G	REMARKS	APPLICATION DIRECTIONS
TABLE BEETS	Prior to Planting	Cabbage Maggot Symphylans	Broadcast: 20 pounds per acre. Max. of 20 lbs/A per season.	For symphylan control, reduce the rate proportionately for band treatment. Restricted-entry interval 48 hours.	Broadcast: Apply DYFONATE II 10-G prior to planting and incorporate into the soil to a depth of 2 to 3 inches using suitable tillage equipment.
TOBACCO	Prior to Bedding	Wireworms	Broadcast: 10 to 20 pounds per acre. Max. of 20 lbs/A per season.	Restricted-entry interval 48 hours.	Broadcast: Apply DYFONATE II 10-G prior to bedding and incorporate into the soil to a depth of 2 to 3 inches using suitable tillage equipment.
TOMATOES	Prior to Planting	Symphylans	Broadcast: 20 pounds per acre. Max. of 20 lbs/A per season.	Reduce the rate proportionately for band treatments. Restricted-entry interval 48 hours.	Broadcast: Apply DYFONATE II 10-G prior to planting and incorporate into the soil to a depth of 2 to 3 inches using suitable tillage equipment.

NOTE: For all crops where APPLICATION METHOD is "Prior to Planting," results are best when application is made as close as possible to planting.

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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.

FOR BULK CONTAINERS

CONTAINER DISPOSAL: Reseal container and offer for reconditioning, or triple rinse (or equivalent) and offer for recycling or reconditioning, or clean in accordance with manufacturer's instructions.

CONTAINER PRECAUTIONS: Before refilling, inspect thoroughly for damage such as cracks, punctures, bulges, dents, abrasions, and damaged or worn threads on closure devices.

REFILL ONLY WITH DYFONATE II 10-G. The contents of this container cannot be completely removed by cleaning. Refilling with materials other than DYFONATE II 10-G will result in contamination and may weaken container.

After filling and before transporting, check for leaks.

Do not refill or transport damaged or leaking container.

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!

IMPORTANT: Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product.

CONDITIONS OF SALE AND LIMITED WARRANTY:

The Directions for Use of this product are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended or other influencing factors in the use of the product, all of which are beyond the control of the seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label, subject to the inherent risks referred to above, 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 conditions or under conditions not reasonably foreseeable to or beyond the control of 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.

When Buyer or User claims losses or damages resulting from the use or handling of this product (including claims based on contract, negligence, strict liability or other legal theories), Buyer or User must promptly notify in writing Seller of any claims to be eligible to receive either of the remedies set forth below. The EXCLUSIVE REMEDY OF BUYER OR USER and the LIMIT OF LIABILITY of Seller will be, at the election of Seller, refund of the purchase price paid for product bought, or replacement of amount of product used. SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT AND SELLER'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE.

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