

S419403  $\frac{320}{17}$ 

AUG 12 1992

Mr. Robert E. Hawk  
ICI Americas Inc.  
ICI Agricultural Products  
Wilmington, DE 19897

Dear Mr. Hawk:

Subject: Dyfonate II 15-G Insecticide  
EPA Registration no. 10182-187  
Your Letter Dated June 3, 1992

The amended label you submitted with your letter dated June 3, 1992 has been reviewed by the Health Effects Division, Chemistry Branch II - Reregistration Support, to determine if it meets the requirements specified in the Fonofos Registration Standard regarding maximum seasonal application rates. A copy of the scientific evaluation is enclosed.

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:

1. Make the following labeling changes, for the container label, before you release the product for shipment bearing the revised labeling:
  - a. The section **STATEMENT OF PRACTICAL TREATMENT, IF SWALLOWED** must be changed to read:

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.
  - b. Under the section **STATEMENT OF PRACTICAL TREATMENT, INFORMATION FOR MEDICAL PERSONNEL**, remove the second paragraph that reads: "Any material, when vomited... ingestion".
2. Submit a copy of your final printed labeling before you release the product for shipment.

2 of 27  
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

2

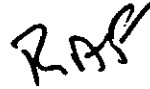
If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

In the future, when submitting a label for review, you must submit the complete label. This would include both the container label as well as the booklet label.

If you have any questions about this letter, contact Barbara Madden at (703) 305-5410 or (703) 305-6600.

Sincerely yours,



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

enclosure

cc: Ms. Joanne Edwards  
Reregistration Division

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

**DYFONATE® II 15-G**  
**Granular Insecticide**

Soil Insecticide for Pest Control In A Variety of Crops

<b>ACTIVE INGREDIENT:</b>		
O-Ethyl S-phenyl ethylphosphonodithioate	15.0%	
<b>INERT INGREDIENTS:</b>	85.0%	
<b>Total</b>	<b>100.0%</b>	

Contains 15 pounds active ingredient per 100 pounds

**KEEP OUT OF REACH OF CHILDREN**

**WARNING**

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

**BEST AVAILABLE COPY**

EPA Reg. No. 10182-187  
EPA Ext. No.

50 Lbs. Net Wt. 22.7 Kg.

Made in U.S.A.  
ICI Agricultural Products  
ICI Americas Inc.  
Wilmington, Delaware 19897

**ACCEPTED**  
with COMMENTS  
in EPA Letter Dated:

**AUG 12 1992**

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

10182-187

SN  
action of the  
testing data  
Send to  
long for testing  
7, St. Louis, Mo.  
Olsen, St. Louis, Mo.

## 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 15-G granular insecticide (fonofos) is 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:** Give 1 or 2 glasses of water to drink and refer person to medical personnel immediately.

**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.

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**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.**

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**BEST AVAILABLE COPY**

**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.

Any material when vomited carries the risk of aspiration. Since this material is rated moderately toxic, the doctor should base the decision to remove the material from the GI tract on clinical symptoms, amount ingested, and time since ingestion.

For other product information, contact your local ICI Americas Inc. Distributor or see Material Safety Data Sheet.

**BEST AVAILABLE COPY**

## 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 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.

Do not transport or store DYFONATE II 15-G with any food or feed intended for human or animal consumption.

Not for use or storage in or around the home.

### 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 wetlands. 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.

### 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 to carrots.

**BEST AVAILABLE COPY**

### 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.

Application of a sulfonylurea herbicide such as Beacon® herbicide and Accent® herbicide following application of a soil insecticide such as DYFONATE II 15-G may result in crop injury. Follow the Directions for Use and Precautions contained on the sulfonylurea herbicide label.

### 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 coverall type garment (all loosely 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.
- Do not apply or allow 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 and 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 15-G Agricultural Insecticide on (date of application). Do not enter treated areas ~~for 24 hours~~ (96 hours 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 15-G.** The contents of this container cannot be completely removed by cleaning. Refilling with materials other than DYFONATE II 15-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!**

**BEST AVAILABLE COPY**



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**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.

**BEST AVAILABLE COPY**

**DYFONATE® II 15-G  
Granular Insecticide**

Soil Insecticide For Pest Control In a Variety of Crops

**COMPLETE DIRECTIONS FOR USE**

EPA Reg. No. 10182-187  
EPA Est. No.

Made in U.S.A.  
ICI Agricultural Products  
ICI Americas Inc.  
Wilmington, DE 19897

**ACCEPTED  
with COMMENTS  
in EPA Letter Dated**  
**AUG 12 1992**  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
10182-187

**BEST AVAILABLE COPY**

**KEEP OUT OF REACH OF CHILDREN**

**WARNING**

**AVISO**

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

**ACTIVE INGREDIENT:**

O-Ethyl S-phenyl ethylphosphonodithioate\* ..... 15.0%

**INERT INGREDIENTS:** ..... 85.0%

Total ..... 100.0%

Contains 15 pounds active ingredient per 100 pounds

\*fonofos

**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 15-G granular insecticide (fonofos) is 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.

**BEST AVAILABLE COPY**

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

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**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.**

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**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.

**BEST AVAILABLE COPY**

## 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 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.

Do not transport or store DYFONATE II 15-G with any food or feed intended for human or animal consumption.

Not for use or storage in or around the home.

#### 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.**

#### 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 to carrots.

**BEST AVAILABLE COPY**

## DIRECTIONS FOR USE

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

Application of a sulfonyleurea herbicide such as Beacon® herbicide and Accent® herbicide following application of a soil insecticide such as DYFONATE II 15-G may result in crop injury. Follow the Directions of Use and Precautions contained on the sulfonyleurea herbicide label.

## 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 coverall 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.
- 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 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 15-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 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.)

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Page 6

DYFONATE II 15-G Booklet  
DYF187B.RSG - RS-060392G

### **GAUGE SETTINGS AND CALIBRATION INSTRUCTIONS**

**NOTE:** These settings should be used as starting points only. Continually check the amount of DYFONATE II 15-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.

<b>GAUGE SETTINGS DYFONATE II 15-G 8 OZ/1000 FT. OF ROW AND 15 OZ/1000 FT. OF ROW</b>						
<b>EQUIPMENT</b>	<b>SPEED IN MPH</b>					
	<b>4</b>		<b>6</b>		<b>8</b>	
<b>APPLICATION RATE: OUNCES PER 1000 FT. OF ROW</b>	<b>8</b>	<b>15</b>	<b>8</b>	<b>15</b>	<b>8</b>	<b>15</b>
Kinze	10	19	15	26	21	33
Gandy bolt on bottom	21	27	24	33	28	38
Gandy snap-on bottom	21	27	25	33	28	38
Noble (round opening) - Old	14	23	19	31	24	36
Noble (rectangular opening) - New	10	17	14	24	18	30
John Deere 1986 Maxi-Emerge II (adjustable knob-0-79)	19	35	29	49	37	58
John Deere 7000 Maxi-Emerge (Even) (0-10-20-30-40)	17	27	23	34	28	38
John Deere 7000 Maxi-Emerge (Odd) (5-15-25-35-45)	13	20	17	25	21	31
John Deere (metal box with 3 range settings and dial) Range/Notch	1/30	2/12	2/6	2/31	2/14	3/7
International Harvester - Old (one gauge per hopper) Gate/Dial	2/8	3/7	3/3	4/9	3/8	6/1
International Harvester - New (two gauges per hopper) Gate/Dial	2/1	3/2	2/7	4/5	3/3	6/2
Buffalo (with gauge)	11	21	17	28	23	32
Buffalo (fluted-roll feed-revolutions on hexagonal adjusting nut)	8	13	Uniform Flow at All Speeds			
Allis Chalmers (old)	7	12	Uniform Flow at All Speeds			
Allis Chalmers (new, with Noble metering unit)	11	18	15	25	19	21
Microband - Canaan Industries	--	18*	Uniform Flow at All Speeds			

\* Number of teeth on sprockets. 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 15-G	REMARKS	AP
ASPARAGUS	Up to 30 days prior to harvest	Symphylans (Suppression)	Broadcast: 20 to 27 pounds per acre.  Max. of 27 lbs/year.	Recommended in California only. Reduce the rate proportionately for band treatments.	Br 15- to su ap
BEANS, GREEN & DRY	Prior to Planting	Symphylans  Wireworms  Seed Corn Maggot	Broadcast: 13.4 pounds per acre. Broadcast: 27 pounds per acre. Broadcast: 13.4 to 27 pounds per acre.  Max. of 27 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.	Br 15- inc of tille
BEANS, LIMA	Prior to Planting	Symphylans	Broadcast: 13.4 pounds per acre.  Max. of 13.4 lbs/A per season.	Reduce the rate proportionately for band treatments.	Br 15- inc of tille
COLE CROPS (Broccoli, Brussels Sprouts, Cabbage, and Cauliflower)	Prior to Planting or at Planting	Cabbage Maggot  Symphylans	Broadcast: 27 pounds per acre.  Broadcast: 13.4 pounds per acre.  Max. of 27 lbs/A per season.	Not recommended in the Northwestern U.S.  Reduce the rate proportionately for band treatments.	Br 15- or int inc eq

RECOMMENDATIONS					
CROPS	APPLICATION METHOD	PESTS CONTROLLED	RATES OF DYFONATE II 15-G	REMARKS	APPLICATION DIRECTIONS
CORN-FIELD (Dent, Seed, Grain, Silage) SWEET, POPCORN	Prior to Planting or at Planting	Northern, Southern, and Western Corn Rootworm  Cutworms <sup>1</sup>  Suppression of White Grubs  Seedcorn Maggot    Seedcorn Beetle	Band: 8 oz. per 1000 linear feet.  or  Broadcast: 27 pounds per acre.	May be used on conventional, minimum or conservation and no-till tillage systems.  <sup>1</sup> With heavy infestations of cutworms, a sufficient number of larvae may survive the DYFONATE II 15-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 15-G is recommended for control of seedcorn beetle in the Central & Midwestern corn growing areas only.	Band: Apply DYFONATE II 15-G in a 7 inch wide band using a row bender 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 tires 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 15-G.
		<u>Wireworms</u> <u>Lesser Corn-Stalk Borer</u> <u>Symphylans</u> <u>Maize Billbug</u>	Band: 16 oz. per 1000 linear ft. Broadcast: 13.4 pounds per acre. Broadcast: 27 pounds per acre.  Max. of 27 lbs/A per season.  Regardless of application method (prior to or at planting, cultivation, or over the whorl) do not exceed 27 lbs/A per season total.	Band applications of DYFONATE II 15-G will provide suppression of wireworms. Use the broadcast application for control.  DYFONATE II 15-G is recommended for control of maize billbug in the Southeastern U.S. only.	Broadcast: Apply DYFONATE II 15-G prior to 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 15-G	REMARKS	APPLICATION DIRECTIONS
	At Cultivation	Northern, Southern, and Western Corn Rootworm	Band: 8 oz. per 1000 linear feet.  Max. of 8 oz. per 1000 linear feet per season.  Regardless of application method (prior to or at planting, cultivation, or over the whorl) do not exceed 27 lbs/A per season total.	Apply DYFONATE II 15-G when activity of rootworm larvae is first observed.	<u>Band:</u> Apply DYFONATE II 15-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: 8 oz. per 1000 linear feet.  or  Broadcast: 6.75 pounds per acre.  Max. of 6.75 lbs/A per season.  Regardless of application method (prior to or at planting, cultivation, or over the whorl) do not exceed 27 lbs/A per season total.	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.	<u>Band or Broadcast:</u> Apply DYFONATE II 15-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: 16 oz. per 1000 linear feet.  Max. of 27 lbs/A per season.	Recommended in Florida only.	<u>Band:</u> Apply DYFONATE II 15-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 15-G	REMARKS	APPLICATION DIRECTIONS
MINT	Prior to Planting	Symphylans	Broadcast: 13.4 pounds per acre  Max. of 13.4 lbs/A per season.	Do not apply after May 15. Do not apply more than once per season.	<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 15-G application.
ONIONS, BULB	At Planting	Onion Maggot	In-Furrow: 8 oz. per 1000 linear feet.  Max. of 8 oz. per 1000 linear feet per season.	Use only in soils containing 10% or more organic matter.	In-Furrow: Apply DYFONATE II 15-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: 15 oz. per 1000 linear feet  or  Broadcast: 27 pounds per acre.  Max. of 27 lbs/A per season.	For control of southern corn rootworm and granulate cutworm, apply DYFONATE II 15-G at early flowering or pegging. Do not harvest within 21 days after treatment.  For control of lesser cornstalk borer, apply DYFONATE II 15-G at first signs of borer infestation after pegging begins.  For heavy white mold infestations a suitable fungicide treatment is necessary.	<u>Band:</u> Apply DYFONATE II 15-G in an 18 inch wide band. May be used up to 30 days after pegging begins.  <u>Broadcast:</u> Apply DYFONATE II 15-G by air or ground equipment.

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RECOMMENDATIONS					
CROPS	APPLICATION METHOD	PESTS CONTROLLED	RATES OF DYFONATE II 15-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: 15 oz. per 1000 linear ft.  Band: 6 to 8 oz. per 1000 linear ft.  Band: 8 to 15 oz. per 1000 linear ft.  or  Broadcast: 13.4 pounds per acre.  Max. of 27 lbs/A per season.	Recommended for control of burrowing bug in Texas only.	<u>Band:</u> Apply DYFONATE II 15-G in an 18 inch wide band.  <u>Band:</u> Apply DYFONATE II 15-G in a 14 inch wide band.  <u>Band:</u> Apply DYFONATE II 15-G in an 18 inch wide band.  <u>Broadcast:</u> Apply DYFONATE II 15-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: 13.4 oz. per 1000 linear feet.  or  Broadcast: 27 pounds per acre.  Broadcast: 13.4 pounds per acre.  Max. of 27 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 27 pound per acre broadcast application for heavy infestations of wireworms.	<u>Subsurface Bands:</u> Apply DYFONATE II 15-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 15-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: 13.4 pounds per acre.  Max. of 13.4 lbs/A per season.	For symphytan control, reduce the rate proportionately for band treatments.	<u>Broadcast:</u> Apply DYFONATE II 15-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 15-G	REMARKS	APPLICATION DIRECTIONS
SORGHUM (Milo)	At Planting	Northern, Southern, and Western Corn Rootworm  Lesser Cornstalk Borer	Band: 8 oz. per 1000 linear feet.		<b>Band:</b> Apply DYFONATE II 15-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 lines 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 15-G.
	Over The Top	Corn Leaf Aphid  Greenbug	Broadcast: 5 pounds per acre.  Max. of 13.4 lbs/A per season.	Recommended in Texas only.  Limit postemergence use to 2 applications per crop.	<b>Broadcast:</b> Apply DYFONATE II 15-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	Symphylians	Broadcast: 13.4 pounds per acre.  Max. of 13.4 lbs/A per season.		<b>Broadcast:</b> 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 15-G	REMARKS	APPLICATION DIRECTIONS
SUGAR BEETS	Prior to Planting or at Planting	Sugar Beet Root Maggot	Band: 4.5 to 6.8 oz. per 1000 linear feet.	To avoid stand reduction, do not place DYFONATE II 15-G in direct contact with the seed.	<u>Band:</u> Apply DYFONATE II 15-G in a 7 inch wide band over the sugar beet rows. Incorporate lightly into the soil using suitable tillage equipment.
		Symphylans	Broadcast: 13.4 pounds per acre.	For symphytan control, reduce the rate proportionately for band treatments.	<u>Broadcast:</u> Apply DYFONATE II 15-G prior to planting and incorporate into the soil to a depth of 2 to 3 inches using suitable tillage equipment.
		Wireworms	Broadcast: 27 pounds per acre.  or  Subsurface Band: 6.8 oz. per 1000 linear feet.  Max. 27 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 27 lb. per acre broadcast rate for heavy infestations of wireworms.	<u>Subsurface Band:</u> Apply DYFONATE II 15-G in subsurface bands 3 to 4 inches on both sides of and 2 inches below the seed pieces.
SUGARCANE	At Planting	Wireworms	Band: 36 to 48 oz. per 1000 linear feet.	A use rate of less than 48 ounces per 1000 linear feet is only recommended in Florida.	<u>Band:</u> Apply DYFONATE II 15-G in 14 inch band on cane rows 60 inches apart. Apply over the tops of sugarcane seed pieces immediately ahead of covering discs.
	Postemergence	White Grubs (Suppression)	Band: 48 oz. per 1000 linear feet.  Max. of 27 lbs/A per season.	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.	<u>Band:</u> Apply DYFONATE II 15-G over the top of the cane row and lightly incorporate as close to the plants as possible. For best results, irrigate the application.

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RECOMMENDATIONS					
CROPS	APPLICATION METHOD	PESTS CONTROLLED	RATES OF DYFONATE II 15-G	REMARKS	APPLICATION DIRECTIONS
TABLE BEETS	Prior to Planting	Cabbage Maggot Symphylans	Broadcast: 13.4 pounds per acre.  Max. of 13.4 lb/A per season.	For symphylian control, reduce the rate proportionately for band treatment.	<u>Broadcast:</u> Apply DYFONATE II 15-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: 6.7 to 13.4 pounds per acre.  Max. of 13.4 lb/A per season.		<u>Broadcast:</u> Apply DYFONATE II 15-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: 13.4 pounds per acre.  Max. of 13.4 lb/A per season.	Reduce the rate proportionately for band treatments.	<u>Broadcast:</u> Apply DYFONATE II 15-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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**EXCESS PESTICIDE WASTES:** Excess pesticide wastes are extremely 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 15-G.** The contents of this container cannot be completely removed by cleaning. Refilling with materials other than DYFONATE II 15-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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