

10182-187
 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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APR -7 1992

APR -7 1992

Mr. Andrew A. Davidson
 ICI Americas Inc.
 Agricultural Products Division
 Delaware Corporate Center II
 Wilmington, DE 19897

Dear Mr. Davidson:

Subject: Dyfonate II 15-G Insecticide
 EPA Registration no. 10182-187
 Your Application for Pesticide Amendment
 Dated March 17, 1992

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 labeling changes listed below before you release the product for shipment bearing the revised labeling:
 - a. On the label for the container, 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. On the label for the container, 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 **CONCURRENCES** printed labeling before you release the product for shipment.

SYMBOL						
SURNAME						
DATE						

MADDEN 4/7/92 DISK 3

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

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

Sincerely yours,

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

enclosure

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

Soil Insecticide for Pest Control In A Variety of Crops

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

Contains 15 pounds active ingredient per 100 pounds
*fonofos

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.

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
EPA Letter Dated:**

APR - 7 1992

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

10182-187

BEST AVAILABLE COPY

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.

**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.**

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.

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 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 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!

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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.

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**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:

APR - 7 1992

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

10182-187

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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.

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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

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.

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

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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.

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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.

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DIRECTIONS FOR USE

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

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 of 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 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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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.

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GAUGE SETTINGS DYFONATE II 15-G 8 OZ/1000 FT. OF ROW AND 15 OZ/1000 FT. OF ROW						
EQUIPMENT	SPEED IN MPH					
	4		6		8	
APPLICATION RATE: OUNCES PER 1000 FT. OF ROW	8	15	8	15	8	15
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	2/5	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	31
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.

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EQUIVALENT LBS. DYFONATE II 15-G PER ACRE									
OUNCES OF DYFONATE II 15-G PER 1000 FT. OF ROW	ROW SPACING IN INCHES								
	60	40	38	36	34	32	30	22	18
4.5	2.5	3.7	3.9	4.1	4.3	4.6	4.9	6.7	8.2
6.8	3.7	5.6	5.8	6.2	6.5	6.9	7.4	10.1	12.3
8.0	4.4	6.5	6.9	7.3	7.7	8.2	8.7	11.9	14.5
15.0	8.2	12.3	12.9	13.6	14.4	15.3	16.3	22.3	27.2
36.0	19.6	--	--	--	--	--	--	--	--
48.0	26.1	--	--	--	--	--	--	--	--

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RECOMMENDATIONS				
CROPS	APPLICATION METHOD	PESTS CONTROLLED	RATES OF DYFONATE II 15-G	REMARKS
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.
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.
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.
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.

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RECOMMENDATIONS					
CROPS	APPLICATION METHOD	PESTS CONTROLLED	RATES OF DYFONATE II 15-G	REMARKS	APPLICATION D
CORN-FIELD (Dent, Seed, Grain, Silage) SWEET, POPCORN	Prior to Planting or at Planting	Northern, Southern, and Western Corn Rootworm	Band: 8 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 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 DYF a 7 inch wide band banded directly be furrow opener and press wheels, or i band directly behi wheels using drag tines to ensure in Under windy cond windshields is rec prevent drift. Son fall into the open l causing harm to tl However, to avoid do not make "in-fu applications of DY 15-G.
		Cutworms ¹	or Broadcast: 27 pounds per acre.		
		Suppression of White Grubs			
		Seedcorn Maggot			
		Seedcorn Beetle			
		<u>Wireworms</u>			
		<u>Lesser Corn-Stalk Borer</u>	Band: 16 oz. per 1000 linear ft.	Band applications of DYFONATE II 15-G will provide suppression of wireworms. Use the broadcast application for control.	
		<u>Symphylans</u>	Broadcast: 13.4 pounds per acre.		
		Maize Billbug	Broadcast: 27 pounds per acre.	DYFONATE II 15-G is recommended for control of maize billbug in the Southeastern U.S. only.	
			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.		

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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 between rows. Cover the treatment area 2 to 3 inches of soil ahead of application ahead of cultivation equipment within 45 days of harvest 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 between rows so granules fall between whorls. May be applied using air or ground equipment in a band directed or broadcast. 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 16 oz. per 1000 row feet per season.	Recommended in Florida only.	<u>Band:</u> Apply DYFONATE II 15-G in a 2 inch wide band between rows.

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RECOMMENDATIONS					
CROPS	APPLICATION METHOD	PESTS CONTROLLED	RATES OF DYFONATE II 15-G	REMARKS	APPLICATION DIRE
MINT	Prior to Planting	Symphytans	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 soil using suitable tillage equipment prior to planting. Do not apply until after plant growth. Do not apply at least 3 weeks before planting. <u>DYFONATE II 15-G</u>
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.	<u>In-Furrow:</u> Apply <u>DYFONATE II 15-G</u> into the furrow at 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 <u>DYFONATE II 15-G</u> at early flowering or pegging. For control of lesser cornstalk borer, apply <u>DYFONATE II 15-G</u> at first signs of borer infestation after pegging begins. For heavy white mold infestations a suitable fungicide treatment is necessary.	<u>Band:</u> Apply <u>DYFONATE II 15-G</u> in an 18 inch wide band used up to 30 days after planting begins. <u>Broadcast:</u> Apply <u>DYFONATE II 15-G</u> by air or ground

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RECOMMENDATIONS					
CROPS	APPLICATION METHOD	PESTS CONTROLLED	RATES OF DYFONATE II 15-G	REMARKS	APPLICATION DIREC
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.	Band: Apply DYFONATE II 15-G in a 18 inch wide band. Band: Apply DYFONATE II 15-G in a 14 inch wide band. Band: Apply DYFONATE II 15-G in a 18 inch wide band. Broadcast: Apply DYFONATE II 15-G and lightly incorporate the soil with 1 to 2 inch
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.	Subsurface Bands: Apply DYFONATE II 15-G in 1/2 inch bands 3 to 4 inches on top of and 2 inches below the pieces. Broadcast: Apply DYFONATE II 15-G prior to or at time of planting and incorporate into the depth of 2 to 3 inches with 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 symphylan control, reduce the rate proportionately for band treatments.	Broadcast: Apply DYFONATE II 15-G prior to or at time of planting and incorporate into the depth of 2 to 3 inches with suitable tillage equipment

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RECOMMENDATIONS					
CROPS	APPLICATION METHOD	PESTS CONTROLLED	RATES OF DYFONATE II 15-G	REMARKS	APPLICATION DIREC
SORGHUM (Milo)	At Planting	Northern, Southern, and Western Corn Rootworm Lesser Cornstalk Borer	Band: 8 oz. per 1000 linear feet.		<p><u>Band:</u> Apply DYFONATE II 15-G in a 7 inch wide band using a band applicator directly behind the furrow opener and in front of the press wheels, or in a 7 inch wide band directly behind the press wheels using drag chains to ensure incorporation. Under windy conditions the use of windshields is recommended to prevent drift.</p> <p>Some granules can fall out of an open furrow without contact to the seed. However, to avoid stand reduction, do not use "furrow" applications of DYFONATE II 15-G.</p>
	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.	<u>Broadcast:</u> Apply DYFONATE II 15-G over the top using broadcast equipment. Use only on sorghum. Do not harvest or graze livestock within 30 days of application.
STRAWBERRIES	Prior to Planting	Symphylans	Broadcast: 13.4 pounds per acre. Max. of 13.4 lbs/A per season.		<u>Broadcast:</u> Incorporate into soil using suitable tillage equipment prior to planting or transplanting. (For broadcast 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 between beet rows. Incorporate into the soil using suitable tillage equipment.
		Symphylans	Broadcast: 13.4 pounds per acre.	For symphylan control, reduce the rate proportionately for band treatments.	<u>Broadcast:</u> Apply DYFONATE II 15-G prior to planting, incorporate into the soil to a depth of 2 to 3 inches using 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 bands 3 to 4 inches deep and 2 inches below 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 a 14 inch band on cane rows 14 inches apart. Apply to sugarcane seed pieces immediately ahead of 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. Lightly incorporate as plants as possible. If results, irrigate the area.

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RECOMMENDATIONS					
CROPS	APPLICATION METHOD	PESTS CONTROLLED	RATES OF DYFONATE II 15-G	REMARKS	APPLICATION DIREC
TABLE BEETS	Prior to Planting	Cabbage Maggot Symphylans	Broadcast: 13.4 pounds per acre. Max. of 13.4 lbs/A per season.	For symphylan control, reduce the rate proportionately for band treatment.	<u>Broadcast:</u> Apply DYF 15-G prior to planting incorporate into the so of 2 to 3 inches using tillage equipment.
TOBACCO	Prior to Bedding	Wireworms	Broadcast: 6.7 to 13.4 pounds per acre. Max. of 13.4 lbs/A per season.		<u>Broadcast:</u> Apply DYF 15-G prior to bedding incorporate into the so of 2 to 3 inches using tillage equipment.
TOMATOES	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.	<u>Broadcast:</u> Apply DYF 15-G prior to planting ; incorporate into the so of 2 to 3 inches using 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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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!

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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.

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