

PM 14 10122-187

10711

12 JUN 1990

310
18
263652
1

ICI America Inc.
Agricultural Products Division
Concord Pike & New Murphy Road
Wilmington, DE 19897

Subject: Dyfonate II 15-G
EPA Reg. No. 10182-187
Your Application Dated April 17, 1990

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A), is acceptable provided that you:

1. Submit and/or cite all data required for registration/ reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

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

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

BEST AVAILABLE COPY

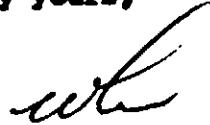
56279; I; Lachman; LM-9; KENCO; 06/08/90; 07/08/90; CL; SW; VO; DD; CL

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

Review of reentry data (MRID # 40150123) is not completed. Since you are increasing the reentry time from 24 hours to 96 hours for foliar application (over the top) for corn uses, the Agency is accepting the amendment. However, if the review of reentry data reveals the reentry period to be revised, you will amend the label accordingly.

Sincerely yours,



William H. Miller
Product Manager (16)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

BEST AVAILABLE COPY

DYFONATE II 15-G
Granular Insecticide

ACTIVE INGREDIENT:

O-Ethyl S-phenyl ethylphosphonodithioate* 15.0%

INERT INGREDIENTS: 85.0%
(Contains 15 pounds active ingredient per 100 pounds) 100.0%

*DYFONATE

KEEP OUT OF REACH OF CHILDREN

WARNING **PRECAUCION AL USUARIO: SI USTEN NO LEE INGLES, NO USE ESTE**
AVISO **PRODUCTA HASTA QUE LA ETIQUETA LE HAYA SIDO EXPLICADA AMPLIMENTE.**

STATEMENT OF PRACTICAL TREATMENT

FOR PESTICIDE EMERGENCY

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

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,
accident call CHEMTREC 1-800-424-9300.

ACCEPTED
JUN 12 1990
Under the Federal Insecticide, Fungicide, and
Rodenticide Act, as amended, for the
pesticide registered under
EPA Reg. No. 10182-187

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

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

ALWAYS CALL A PHYSICIAN IN CASE OF SUSPECTED POISONING.

ATROPINE BY INJECTION IS ANTIDOTAL

This product is sold only for uses stated on its label. No express or implied license is granted to use or sell this product under any patent in any country except as specified: Country: United States of America.

_____ Lb. Net Wt. _____ Kg.

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

BEST AVAILABLE COPY

Made in U. S. A. by
ICI Agricultural Products
ICI Americas Inc.

If swallowed, immediately give several glasses of water and induce vomiting by placing a finger on the back of the victim's tongue. Give fluids until vomitus is clear. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

For skin contact, flush with large amounts of running water for 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before re-use.

For eye contact, immediately flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart to insure rinsing of the entire surface of the eye and lids with water. Get medical attention immediately.

If inhaled, remove to fresh air. If not breathing, clear victim's airway and start mouth-to-mouth artificial respiration.

If breathing is difficult, give oxygen, preferably with a physician's advice. Get medical attention immediately.

INFORMATION FOR MEDICAL PERSONNEL

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

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

IN CASE OF SPILL

ISOLATE the spill. HOLD this package, other cargo and vehicles involved. IMMEDIATELY TELEPHONE (24-hour service) for emergency assistance 800-424-9300.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

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

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

Wash hands, arms, and face thoroughly with soap and water after handling and before eating 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.

BEST AVAILABLE COPY

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

Not for use or storage in or around the home.

REENTRY STATEMENT

- Do not enter treated areas for 24 hours after application unless appropriate protective clothing is worn.
- FOLIAR APPLICATIONS (OVER THE TOP) FOR CORN AND SORGHUM: Do not allow worker reentry into treated fields within 96 hours 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.
- Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.
- Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.
- Do not apply or allow to drift to areas occupied by beneficial animals or onto adjoining food, fiber or pasture crops. Do not contaminate food or feed.
- Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers.

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

Written warnings must include the following information, "WARNING. Area treated with DIFONATE® Agricultural insecticide on (date of application). Do not enter treated areas for 24 hours for 96 hours for foliar application in corn and sorghum after application unless appropriate protective clothing is worn (or other reentry interval if your state has a more restrictive interval for this product). If accidental exposure occurs, follow the instructions below." (Written warnings must include the STATEMENT OF PRACTICAL TREATMENT given at the beginning of this label.)

ENVIRONMENTAL HAZARDS

BEST AVAILABLE COPY

This pesticide is toxic to fish and wildlife. Birds feeding in treating 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.

equipment or disposal of waste. For guidance contact your regional office of the EPA. Apply this product only as specified on the label.

GENERAL PRECAUTIONS

Read all directions before using.

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

INSECTS CONTROLLED

Black Cutworm	(<u>Agrotis ipsilon</u>)*
Burrowing Bug	(<u>Pangaeus bilineatus</u>)
Cabbage Maggot	(<u>Hylemya brassicae</u>)
Corn Leaf Aphid	(<u>Rhopalosiphum maidis</u>)
European Corn Borer	(<u>Ostrinia nubilalis</u>)
Fall Armyworm	(<u>Spodoptera frugiperda</u>)**
Garden Symphylan	(<u>Scutigera immaculata</u>)
Granulate Cutworm	(<u>Feltia subterranea</u>)
Greenbug	(<u>Schizaphis graminum</u>)
Lesser Cornstalk Borer	(<u>Elasmopalpus lignosellus</u>)
Maize Billbug	(<u>Sphenophorus maidis</u>)
Onion Maggot	(<u>Hylemya antiqua</u>)
Seed Corn Beetle	(<u>Agonoderus lacontei</u>)
Seed Corn Maggot	(<u>Hylemya cilicrura</u>)
Southwestern Corn Borer	(<u>Diatraea grandiosella</u>)
Sugarbeet Root Maggot	(<u>Tetanops myopaeformis</u>)
White Grubs	(<u>Phyllophaga sp.</u>)

FLEA BEETLES:

Elongate Flea Beetle	(<u>Systema elongata</u>)
Palestriped Flea Beetle	(<u>Systema blanda</u>)
Sweetpotato Flea Beetle	(<u>Chaetocnema confinis</u>)
Threespotted Flea Beetle	(<u>Disonychia triangularis</u>)

ROOTWORMS:

Northern Corn Rootworm	(<u>Diabrotica longicornis</u>)
Southern Corn Rootworm	(<u>Diabrotica undecimpunctata howardi</u>)
Western Corn Rootworm	(<u>Diabrotica virgifera</u>)

WIREWORMS:

Corn Wireworm	(<u>Melanotus communis</u>)
Pacific Coast Wireworm	(<u>Limonius canus</u>)
Southern Potato Wireworm	(<u>Conoderus falli</u>)
Sugar Beet Wireworm	(<u>Limonius californicus</u>)
Tobacco Wireworm	(<u>Conoderus vespertinus</u>)
Western Field Wireworm	(<u>Limonius infuscatus</u>)
Wheat Wireworm	(<u>Agriotes nancus</u>)
<u>Ctenicera lobata</u>	
<u>Dalopius pallidus</u>	

* (Suppression only)

** (Reduction of fall armyworm populations only)

BEST AVAILABLE COPY

DIRECTIONS FOR USE AND RECOMMENDATIONS

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

NOTE: Preplant broadcast applications should be mixed (incorporated) into the soil to a depth of 2 to 3 inches.

COLE CROPS (BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER): For control of cabbage maggot prior to and at time of seeding or transplanting, apply 27 pounds DYFONATE II 15-G per acre, broadcast, and incorporate into the soil by discing. Not recommended in the Northwestern U. S.

CORN FIELD, SWEET AND POPCORN):

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

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

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

<u>INSECT</u>	<u>RATE PER ACRE</u>	<u>RATE PER 1000 LINEAR FEET</u>
Corn rootworms	5 to 6-3/4 pounds	6.0 to 8.0 ounces
Seed corn beetle		
Seed corn maggot		
Wireworms	6-3/4 pounds	8.0 ounces
Black cutworm*	7 1/2 pounds	9.0 ounces
Lesser cornstalk	13-2/5 pounds ✓	16.0 ounces ✓

* (With heavy infestations of cutworms, a sufficient number of larvae may survive the DYFONATE treatment to cause damage to the corn. If this occurs, ~~use another treatment with another insecticide~~ or another insecticide registered for this use can be made to control these surviving larvae.)

1. Band Application At Planting: Incorporate into the top 1/2 to 1 inch of soil by making application ahead of press wheels or by dragging a short length of chain behind the press wheels. Do not apply DYFONATE II 15-G in-furrow. Do not place DYFONATE II 15-G in direct contact with the seed.

BEST AVAILABLE COPY

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

B. Broadcast application for control of symphylans, northern, southern, and western corn rootworms, wireworms and maize billbugs and for suppression of white grubs:

Apply 13.4 pounds (for symphylans) or 27 pounds (for symphylans, rootworms, white grubs, wireworms and maize billbugs) DYFONATE II 15-G per acre prior to planting and incorporate into the soil using suitable tillage equipment. Recommended for billbugs in the Southeastern U.S. only.

C. Band or broadcast application for control of European corn borer and southwestern corn borer, and to reduce fall armyworm populations:

Apply 6.7 pounds DYFONATE II 15-G per acre over the corn, so granules fall into whorls. May be applied broadcast using air or ground equipment, or in 6 to 8 inch bands over corn rows 3 inches or more apart.

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

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

For sweet corn, make application when 15% of the plants show borer feeding in the whorl.

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

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

Based on 36 inch row spacing, apply 13.4 pounds DYFONATE II 15-G per acre in a 2 inch band over the furrow at planting. This is equivalent to 13.4 pounds DYFONATE II 15-G per 14,520 linear feet of row (22 ounces per 1,000 linear feet of row).

PEANUTS:

Southeastern U.S.

BEST AVAILABLE COPY

For control of southern corn rootworm, use 13.4 pounds DYFONATE II 15-G per acre, in 18 inch bands on 36 inch rows - apply at pegging. For control of lesser cornstalk borer, use 13.4 pounds DYFONATE II 15-G per acre in an 18 inch band on 36 inch rows - apply at first signs of borer infestation after pegging begins. May be used up to 30 days after pegging begins.

SORGHUM (MILO):

(Texas Only) — Over the top application for control of corn leaf aphid and greenbug. Apply 5 pounds DYFONATE II 15-G per acre using aerial application equipment. Use only on irrigated sorghum. Do not apply within 14 days of harvest nor feed or graze to livestock within 14 days of application. Limit postemergence use to 2 applications per crop.

SUGAR BEETS:

Band application for control of sugar beet root maggots:

Apply 6.75 to 10.0 pounds DYFONATE II 15-G per acre in a 7 inch band over sugar beet rows 22 or more inches apart. Apply at planting and lightly incorporate into the soil. Do not place DYFONATE 15-G in direct contact with the seed.

SUGARCANE: For wireworms control apply 20 to 27 pounds (27 pounds outside of Florida) DYFONATE II 15-G per acre in a 14 inch band on cane rows 60 inches apart. This is equivalent to 2.2-3.0 pounds of DYFONATE II 15-G per 1,000 linear feet of row.

Apply over the tops of sugar cane seed pieces immediately ahead of covering discs.

For control of the white grub, Phyllophaga crinata, apply 27 to 40 pounds DYFONATE II 15-G per acre in a 20 inch band on cane rows 60 inches apart. This is equivalent to 3.0-4.5 pounds of DYFONATE II 15-G per 1,000 linear feet of row. Make application over the top of the cane row and lightly incorporate as close to plants as possible. For best results, irrigate after application. Application should be timed according to the flight of the adult beetles. Apply at any time from the peak of the adult flight up until after two weeks after flight peak. Recommended in the southwestern U. S. only.

BEST AVAILABLE COPY

GAUGE SETTINGS AND CALIBRATION INSTRUCTIONS

<u>EQUIPMENT</u>	<u>7.50 Pounds Per Acre</u>					<u>10 Pounds Per Acre</u>			
	<u>SPEED IN MPH</u>								
	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>
<u>AC</u>			<u>7</u>					<u>9</u>	
<u>Gandy</u>	<u>20</u>	<u>23</u>	<u>25</u>	<u>28</u>	<u>30</u>	<u>23</u>	<u>26</u>	<u>29</u>	<u>32</u>
<u>IH</u>	<u>1/8.5</u>	<u>2/2.0</u>	<u>2/6.0</u>	<u>3/0.0</u>	<u>3/5/0</u>	<u>2/1.5</u>	<u>2/7.0</u>	<u>3/3.5</u>	<u>3/9</u>
<u>*John Deere (old)</u>	<u>1/29</u>	<u>2/5</u>	<u>2/11</u>	<u>2/17</u>	<u>2/24</u>	<u>2/5</u>	<u>2/13</u>	<u>2/21</u>	<u>2/3</u>
<u>*John Deere (new)</u>	<u>15</u>	<u>20</u>	<u>23</u>	<u>26</u>	<u>30</u>	<u>20</u>	<u>24</u>	<u>28</u>	<u>32</u>
<u>*Noble (old)</u>	<u>14</u>	<u>19</u>	<u>23</u>	<u>27</u>	<u>30</u>	<u>19</u>	<u>24</u>	<u>29</u>	<u>32</u>
<u>*Noble (new)</u>	<u>11</u>	<u>13</u>	<u>16</u>	<u>18</u>	<u>18</u>	<u>13</u>	<u>16</u>	<u>19</u>	<u>22</u>

*John Deere and Noble have introduced new metering units into their late model machinery. Be sure the appropriate chart.

These are suggested beginning settings for application with one hopper-opening per row. Be sure to actual application rate, under your operation conditions. Fill hoppers level full and plant a known area such as 0.8 acres - one round with furrow planter on 80-rod (1/4 mile) rows spaced 40 inches apart. Weigh bag, refill hoppers, weigh again, subtract to see how much was applied. Divide amount applied by area covered to get actual rate. EXAMPLE: If desired rate is 10 lbs./A, and you apply 8 pounds on 0.8 acres, actual rate is 10 lb./A because 8 divided by 0.8=10. If rate is not quite as desired, adjust up or down again. Or faster a container (a bag or calibration tube) over the opening of your applicator, then weigh known area. Divide the weight of the granules (in pounds) by the area covered (in acres) to get the actual rate per acre. EXAMPLE: If you recover 8 pounds of granules in the container after covering 0.8 acres, actual rate is 10 pounds by 0.8, which equals 10 lbs./A.

BEST AVAILABLE COPY

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture 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.

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

BEST AVAILABLE COPY

050289NEW01

PM 14 # 1515-187

152 16

MAR 22 1991

S390420

ICI Americas, Inc.
Agricultural Products Division
New Murphy and Concord Pike
Wilmington, DE 19897

Gentlemen:

Subject: DyPonate II 15-G
EPA Registration No. 10182-187
Your Letter Dated August 29, 1990

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 amended labeling:
 - a. Under "Reentry Statements" add the statement "Do not enter treated areas for 24 hours after application unless appropriate protective clothing is worn."
 - b. Also under the "Reentry Statements" in the paragraph that begins "Written warnings . . . (date of application)" add "Do not enter treated areas for 24 hours."
2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

BEST AVAILABLE COPY

64960:I:Crowwell:L16-19:KEVRIC:03/14/91:04/12/91:aw:wo:dd:ek

CONCURRENCES

SYMBOL							
SIGNATURE							
DATE							

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,



Marilyn A. Nautz
Acting Product Manager (16)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure

BEST AVAILABLE COPY



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: 85.0%

Total 100.0%

Contains 15 pounds active ingredient per 100 pounds

*DYFONATE

KEEP OUT OF REACH OF CHILDREN

WARNING

AVISO

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

See back panel for additional Precautionary Statements

EPA Reg. No. 10182-187

50 Lbs. Net Wt. 22.7 Kg.

EPA Est. No.

ICI Agricultural Products

ICI Americas Inc.

Wilmington, DE 19897

ACCEPTED
with COMMENTS
in EPA Letter Dated:

MAR 22 1991

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: DYFONATE II 15-G is a highly toxic cholinesterase inhibitor. Symptoms of poisoning include headache, blurred vision, weakness, nausea, discomfort in the chest, abdominal cramps, vomiting, diarrhea, salivation, sweating and pinpoint pupils.

**ALWAYS CALL A PHYSICIAN IN CASE OF SUSPECTED POISONING.
ATROPINE BY INJECTION IS ANTIDOTAL**

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

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

BEST AVAILABLE COPY



Page 3 of 5
Dyf II 15-G Container
RS-0724908

DO NOT TRANSPORT OR STORE DYFONATE II 15-G WITH FOOD OR FEED INTENDED FOR HUMAN OR ANIMAL CONSUMPTION.
SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Back Panel

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

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

Wear rubber gloves, shoes, protective clothing and goggles when handling or applying. Wash hands, arms, and face thoroughly with soap and water after handling and before eating 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 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 significant spill:

HOLD THIS PACKAGE, OTHER CARGO AND VEHICLES INVOLVED. IMMEDIATELY TELEPHONE (24-HOUR SERVICE) FOR EMERGENCY ASSISTANCE (800) 424-9300.

BEST AVAILABLE COPY



6216

GENERAL PRECAUTIONS

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

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
Refer to Label Booklet for Complete Use Directions

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 worker reentry into treated fields within 96 hours 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.

● 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 in areas occupied by beneficial animals or onto adjoining food, fiber or pasture crops. Do not contaminate its 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 at the beginning of this label.

Written warnings must include the following information, "WARNING Area treated with DYPONATE II 15-G Agricultural Insecticide on (date of application). Do not enter treated areas until treatments have been completed (96 hours for foliar applications in corn and sorghum) unless appropriate protective clothing is worn (or other reentry interval if your state has a more restrictive interval for this product). If accidental exposure occurs, follow the instructions below."

(Written warnings must include the STATEMENT OF PRACTICAL TREATMENT given at the beginning of this label.)

BEST AVAILABLE COPY



7 14
Page 5 of 5
Dyf II 15-G Container
RS-072490B

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.

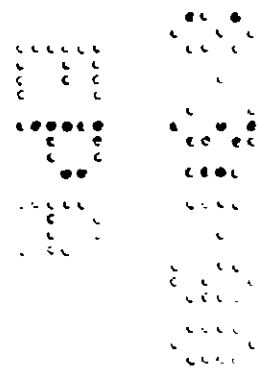
CONTAINER DISPOSAL: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned stay out of smoke.

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

This product is sold only for uses stated on its label. No express or implied license is granted to use or sell this product under any patent in any country except as specified: Country: United States of America.

DYF187C.B

BEST AVAILABLE COPY





DYFONATE® # 15-G Granular Insecticide

Soil Insecticide For Pest Control In a Variety of Crops

READ ALL LABEL DIRECTIONS BEFORE USING

GENERAL PRECAUTIONS

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

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® and Accent® following application of a soil insecticide such as DYFONATE # 15-G may cause 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 and treatment time been completed.
- Follar Applications (over the top) for Corn and Sorghum: Do not allow reentry into treated fields within 96 hours 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.
- 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 person. The area being treated must be vacated by unprotected persons.
- * Beacon is a registered trademark of Ciba-Geigy Corporation
- ** Accent is a registered trademark of DuPont Company

BEST AVAILABLE COPY



- 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 at the beginning of this label.

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 until treatments have been completed (96 hours after foliar applications in corn and sorghum) unless appropriate clothing is worn (or other reentry interval if your state has a more restrictive interval for this product). If accidental exposure occurs, follow the instructions below." (Written warnings must include the STATEMENT OF PRACTICAL TREATMENT given at the beginning of this label.)

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.

BEST AVAILABLE COPY



GAUGE SETTINGS
DYFONATE II 15-G 8 OZ/1000 FT. OF ROW AND 16 OZ/1000 FT. OF ROW

EQUIPMENT	SPEED IN MPH					
	4		6		8	
APPLICATION RATE: OUNCES PER 1000 FEET OF ROW	8	16	8	16	8	16
Gandy bolt on bottom	27	27	22	25	22	24
Gandy snap on bottom	27	27	23	26	22	24
Noble (round opening)	21	24	20	25	24	*
Noble (rectangular opening)	15	27	21	27	27	25
John Deere 1986 Maxi-Emerge II (adjustable knob-0-79)	29	20	25	21	20	24
John Deere 7000 Maxi-Emerge (Even) (0-10-20-30-40)	25	26	22	24	26	*
John Deere 7000 Maxi-Emerge (Odd) (5-15-25-35-45)	19	28	24	28	28	25
John Deere (metal box with 3 range settings and dial) Range/Notch	2/10	2/30	2/22	2/6	2/30	2/15
International Harvester (one gauge per hopper) Gate/Dial	2/6	2/9	2/7	2/5	2/9	2/11
International Harvester (two gauges per hopper) Gate/Dial	2/1	2/6	2/4	2/2	2/2	2/9
Buffalo (with gauge)	2/0	2/2	2/2	2/2	2/2	*
Buffalo (fluted-roll feed revolutions on hexagonal adjusting nut)	1	12	12	12	12	12
Allis Chalmers (old)	2	2	22	22	22	22
Allis Chalmers (new, with Noble metering unit)	12	22	23	25	24	21
Microband (Canaan Industries)	22	22	22	22	22	22

BEST AVAILABLE COPY

Unable to deliver quantity of DYFONATE II 15-G required at speed indicated.
 ** Number of teeth on sprockets. For additional rates/settings or for Double-Box units contact
 Canaan Industries at 1-800-633-7560. *** Uniform Flow at All Speeds

REQUIRED POUNDS OF 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
16.0	8.7	13.1	13.8	14.5	15.4	16.3	17.4	23.8	29.0
36.0	19.6	29.4	31.0	32.7	34.6	36.8	39.2	53.5	65.3
48.0	26.1	39.2	41.3	43.6	46.1	49.0	52.3	71.3	87.1
72.0	39.2	58.8	61.9	65.3	69.2	73.5	78.4	106.9	130.7

BEST AVAILABLE COPY



12 1 76

RECOMMENDATIONS

CROPS	APPLICATION METHOD	PESTS CONTROLLED	RATE OF DYPONATE II 15-G	REMARKS	APPLICATION DIRECTIONS
COLE CROPS (Broccoli, Brussels Sprouts, Cabbage, Cauliflower)	Immediately prior to planting or at planting	Cabbage Maggot	Broadcast: 27 pounds per acre.	Not recommended in the Northwestern U.S.	Broadcast: Apply DYPONATE II 15-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.
CORN- FIELD (Dent, Seed, Grain, Silage) SWEET, POPCORN	Immediately prior to planting or at planting	Northern, Southern, & Western Corn Rootworm Black Cutworm Suppression of White Grubs Seedcorn Maggot Seedcorn Beetle <u>Wireworms</u> Lesser Cornstalk <u>Beetle</u> Symphylaens only	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. With heavy infestations of cutworms, a sufficient number of larvae may survive the DYPONATE treatment to cause damage to the corn. If this occurs, a rescue treatment with AMBUSH Insecticide or another insecticide registered for this use can be made to control these surviving larvae. DYPONATE II 15-G is recommended for control of seed corn beetle in the central and mid-western corn growing areas only. Band applications of DYPONATE II 15-G will provide suppression of wireworms. Use the broadcast application for control.	Band: Apply DYPONATE 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 a 7 inch wide band directly behind the press wheels using drag chains or spring tines to insure incorporation. Under windy conditions the use of windshields is recommended to prevent band 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" application of DYPONATE II 15-G. Broadcast: Apply DYPONATE II 15-G prior to planting and incorporate into the soil to a depth of 2 to 3 inches using suitable tillage equipment.

BEST AVAILABLE COPY



CORN (con't)

Maize Billbug Broadcast: 27 pounds per acre.
 DYPONATE II 5-G is recommended for control of maize billbug in the Southeastern U.S. only.

At Cultivation	Northern, Southern, & Western Corn Rootworm	Band: 8 oz per 1000 linear feet.	Apply DYPONATE II 15-G when activity of rootworm larvae is first observed.	Band: Apply DYPONATE 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.	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.	Band or Broadcast: Apply DYPONATE 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.	Recommended in Florida only.	Band: Apply DYPONATE II 15-G in a 2 inch wide band over the corn rows.
--	-------------	-----------	------------------------------------	------------------------------	--

FRUITS	At Early Flowering or up to 30 days After Popping Begins	Southern Corn Rootworm, Granulate Cutworm Lesser Cornstalk Borer	Band: 16 oz. per 1000 linear feet.	Recommended for the Southeastern U.S. only. For control of southern corn rootworm and granulate cutworm apply DYPONATE II 15-G at flowering or popping. For control of Lesser Cornstalk Borer, apply DYPONATE II 15-G at first signs of borer infestation after popping begins.	Band: Apply DYPONATE II 15-G in an 18 inch wide band. May be used up to 30 days after popping begins.
---------------	--	---	------------------------------------	---	---



Sorghum (Milo)	Over the top	Corn Leaf Aphid Greenbug	Broadcast: 5 pounds per acre	Recommended in Texas only. Limit post- emergence use to 2 applications per crop.	Broadcast: 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.
SUGAR BEETS	At Planting	Sugar Beet Root Maggot	Band: 4.5 to 6.8 oz. per 1000 linear feet.	To avoid re- duction, do not place DYFONATE II 15-G in direct contact with the seed.	Band: Apply DYFONATE II 15-G in 7 inch wide band over the sugar beet rows. Incorporate lightly into the soil using suitable tillage equipment.
SUGARCANE Post-Emergence		White Grubs	Band: 48 to 72 oz. per 1000 linear feet.	Recommended in the Southwestern U.S. only. Consult your State Agricultural Experi- ment Station or extension service specialist for local treatment threshold and application timing information.	Band: Apply DYFONATE II 15-G over the top of the cane row and lightly in- corporate as close to the plants as possible. For best results, irrigate the application.
	At Planting	Wireworms	Band: 36 to 48 oz. per 1000 linear feet.	Use only 48 oz rate outside of Florida	Apply in 14 inch band on cane rows 60 inches apart. Apply over the tops of sugarcane seed pieces im- mediately ahead of cover- ing discs.

EPA Reg. No. 10182-187

ICI Agricultural Products
 ICI Americas Inc.
 Wilmington, DE 19897

DYF187B.RSD

BEST AVAILABLE COPY