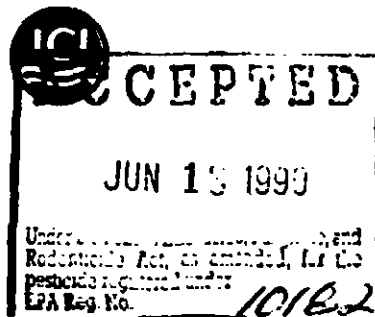


Reg # 10182-135

PM-14

1911



Page 1 of 5
DYFONATE II 20-G
RS-060790B
Container

Front Panel

RESTRICTED USE PESTICIDE

DUE TO ACUTE ORAL TOXICITY

For retail sale to and application only by Certified Applicators or personnel under their direct supervision and only for those uses covered by the Certified Applicator's certification.

DYFONATE® II 20-G Granular Insecticide

Soil Insecticide for Protection Against
Corn Rootworm , Black Cutworm and Other Major Pests

ACTIVE INGREDIENT:

O-Ethyl S-phenyl ethylphosphonodithioate*	20.0%
INERT INGREDIENTS:	80.0%
Total	100.0%

Contains 20 pounds active ingredient per 100 pounds

*DYFONATE

KEEP OUT OF REACH OF CHILDREN

DANGER-POISON(POISON IN RED)

OX

OX

PELIGRO

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

Hazardous to livestock

EPA Reg. No. 10182-135

EPA Est. No.

ICI Agricultural Products
ICI Americas Inc.
Wilmington, DE 19897

50 Lbs. Net Wt. 22.7 Kg.



2911

Page 2 of 5
DYFONATE II 20-G
RS-060790B
Container

Front Panel Cont.

STATEMENT OF PRACTICAL TREATMENT

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.

FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE, CALL 1-800-F-A-S-T-H-E-D (327-8633).
FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.

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 20-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.

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

FOR EYE CONTACT: 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.

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 20-G WITH FOOD OR FEED INTENDED FOR HUMAN OR ANIMAL CONSUMPTION.

SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.



3 of 11

Page 3 of 5
DYFONATE II 20-G
RS-060790B
Container

Back Panel

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

OX DANGER-POISON OX

Hazardous to livestock--do not contaminate feed used for livestock.

Poisonous if swallowed, inhaled or absorbed through skin. Do not get in the eyes, on skin, or on clothing. Avoid breathing of dust.

Wear respirator approved by the National Institute for Occupational Safety and Health, (30 CFR Part 11-Subpart 11) for protection against pesticide inhalation.

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 20-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.

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.



4 8 11
Page 4 of 5
DYFONATE II 20-G
RS-060790B
Container

Back Panel

DIRECTIONS FOR USE

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

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: 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 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 at the beginning of this label.

Written warnings must include the following information, "WARNING Area treated with DYFONATE II 20-G Agricultural Insecticide on (date of application). Do not enter treated areas for 24 hours ~~(96 hours for foliar applications in corn)~~ 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.)

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



DYFONATE II 20-G
RS-060790B
Container

Back Panel

STORAGE AND DISPOSAL

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

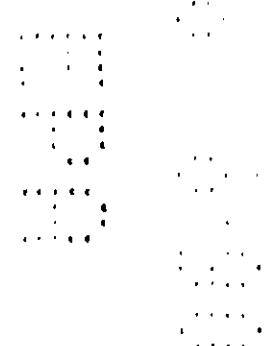
STORAGE: Do not transport or store with any food or feed intended for human or animal consumption. Not for use or storage in or around the home.

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.



RESTRICTED USE PESTICIDE
DUE TO ACUTE ORAL TOXICITY

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's Certification.

DYFONATE® II 20-G
Granular Insecticide
...Soil Insecticide For Protection Against Corn
Rootworm, Black Cutworm And Other Major Pests

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.

REENTRY STATEMENTS

- Do not enter treated areas for 24 hours after application unless appropriate protective clothing is worn.
- Foliar Applications (over the top) for Corn: 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.

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- 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 Agricultural Insecticide on (date of application). Do not enter treated areas for 24 hours (96 hours for foliar applications in corn) after application 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 20-G used against a known length of row or acreage and make further adjustments accordingly. Also, check calibration occasionally to make sure equipment wear, changing conditions, etc., have not caused a change in flow rate.

**GAUGE SETTINGS
DYFONATE II 20-G 6 oz/1000 ft of row**

Equipment	Speed in mph							
	3	4	5	6	7	8	9	10
Gandy bolt on bottom	13	15.3	17.3	19.5	21	22.5	24	25
Gandy snap-on bottom	13.5	15.5	17.5	19.5	21	22.5	24	25
Noble (round opening)	6	8	10	12	14	15	17	19
Noble (rectangular opening)	4	5	7	8	10	11	12	13
John Deere 1986 Maxi-Emerge II (adjustable knob-0-79)	12	14.3	16.5	19	22	25	28	31

John Deere 7000 Maxi-Emerge (Even) (0-10-20-30-40)	8	10	13	15	17	20	21	23
John Deere 7000 Maxi-Emerge (Odd) (5-15-25-35-45)	8	9	11	12	14	15	16	17
John Deere (metal box with 3 range settings and dial) Range/ Notch	1/22	1/24	1/27	1/29	2/2	2/4	2/7	2/9
International Harvester (one gauge per hopper) Gate/Dial	1/5	1/6.5	1/7.8	1/9	2/0.5	2/2.5	2/5.0	2/7.5
International Harvester (two gauges per hopper) Gate/Dial	1/6.3	1/7.4	1/8.3	1/9.5	2/1.5	2/3.3	2/6.0	2/9.0
Buffalo (with gauge)		7	9	11	13	14	16	18
Buffalo (fluted-roll feed)	All speeds-4 complete revolutions of hexagonal nut							
Alis Chalmers	Gauge setting will provide 6 oz p r 1000 feet of row at all speeds							

EQUIVALENT LBS. DYFONTATE II 20-G PER ACRE

Ounces of Dyfonate II 20-G per 1000 ft. of row	Row Spacing in Inches								
	60	40	38	36	34	32	30	22	18
3.4	1.8	2.8	2.9	3.1	3.2	3.4	3.7	5.0	6.0
5.1	2.8	4.1	4.3	4.6	4.9	5.2	5.5	7.5	9.2
6	3.3	5.0	5.2	5.4	5.8	6.1	6.5	9.5	10.9
11	6.0	9.0	9.5	10.0	10.6	11.3	12.0	16.4	20.0
12	6.5	10.0	10.3	10.9	11.5	12.2	13.1	17.8	-
36.7	20.0	-	-	-	-	-	-	-	-
55.1	30.0	-	-	-	-	-	-	-	-

Made in U.S.A. by

See reverse for Recommendations
 EPA Reg. No. 10182-135

ICI Agricultural Products
 ICI Americas Inc.
 Wilmington, DE 19897

RECOMMENDATIONS

CROPS	APPLICATION METHOD	PESTS CONTROLLED	RATES OF DYFONATE II 20-G	REMARKS	APPLICATION DIRECTIONS
COLE CROPS (Broccoli, Brussel Sprouts, Cabbage, Cauliflower)	Immediately prior to planting or at planting	Cabbage Maggot	Broadcast: 20 pounds per acre.	Not recommended in the Northwestern U.S.	Broadcast: Apply DYFONATE II 20-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 Outworm Suppression of White Grubs Seedcorn Maggot Seedcorn Beetle Wireworms Lesser Cornstalk Borer Symphylans	Band: 6 oz. per 1000 linear feet. or Broadcast: 20 pounds per acre. Band: 12 oz. per 1000 linear feet. Broadcast: 10 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 DYFONATE treatment to cause damage to the corn. <u>If this occurs, a rescue treatment with AMBUSH® Insecticide or another insecticide registered for this use can be made to control these surviving larvae.</u> DYFONATE II 20-G is recommended for control of seed corn beetle in the central and mid-western corn growing areas only. Band applications of DYFONATE II 20-G will provide suppression of wireworms. Use the broadcast application for control.	Band: Apply DYFONATE II 20-G in a 7 inch wide band using a row bander directly behind the seed furrow opener and in front of the press wheels, or in a 7 inch wide band directly behind the press wheels using drag chains or spring tines to 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" applications of DYFONATE II 20-G. Broadcast: Apply DYFONATE II 20-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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CORN (con't)

	Maize Billbug	Broadcast: 20 pounds per acre.	DYFONATE II 20-G is recommended for control of maize billbug in the Southeastern U.S. only.
At Cultivation	Northern, Southern, and Western Corn Rootworm	Band: 6 oz. per 1000 linear feet.	Apply DYFONATE II 20-G when activity of rootworm larvae is first observed. <u>Band:</u> Apply DYFONATE II 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 or Reduction of Fall Armyworm Populations	Band: 6 oz. per 1000 linear feet. or Broadcast: 5 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. <u>Band or Broadcast:</u> Apply DYFONATE II 20-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: 12 oz. per 1000 linear feet.	Recommended in Florida only. <u>Band:</u> Apply DYFONATE II 20-G in a 2 inch wide band over the corn rows.
PEANUTS	<u>At Early Flowering</u> or up to 30 days After Pegging Begins Southern Corn Rootworm, Granulate Cutworm Lesser Cornstalk Borer	Band: 12 oz. per 1000 linear feet.	Recommended for the Southeastern U.S. only. For control of southern corn rootworm and granulate cutworm apply DYFONATE II 20-G <u>at early flowering</u> or pegging. For control of lesser cornstalk borer, apply DYFONATE II 20-G at first signs of borer infestation after pegging begins. <u>Band:</u> Apply DYFONATE II 20-G in an 18 inch wide band. May be used up to 30 days after pegging begins.

11911

Page 6 of 6
Dyfonate II 20-G
RS-081589B
Booklet

SORGHUM (milo)	At Planting	Northern, Southern and Western Corn Rootworm Lesser Cornstalk Borer	Band: 6 oz. per 1000 linear feet.		Band: See Band Applica- tions for corn-field (Dent, Seed, Grain, Silage), SWEET, POPCORN.
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SUGAR BEETS	At Planting	Sugar Beet Root Maggot	Band: 3.4 to 5.1 oz. per 1000 linear feet.	To avoid stand reduction, do not place DYFONATE II 20-G in direct contact with the seed.	Band: Apply DYFONATE II 20-G in a 7 inch wide band over the sugar beet rows. Incorporate lightly into the soil using suitable tillage equipment.
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SUGARCANE	Post-Emergence	White Grub	Band: 36.7 to 55.1 oz. per 1000 linear feet.	Recommended in the Southwestern U.S. only. Consult your State Agricultural Experi- ment Station exten- sion service specialist for local treatment threshold and application timing information.	Band: Apply DYFONATE II 20-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: 27.2 to 36.7 oz. per 1000 linear feet.	Use only 36.7 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.