

PM 14 10182-212

Labeling
POPC 1 of 33



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

DEC 2 1993

Andrew A. Davidson
ZENECA INC.
ZENECA AG PRODUCTS
New Murphy Road & Concord Pike Box 751
Wilmington, DE 19897

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 06/25/93 in Response to PR Notice 93-7
EPA Reg. No. 10182-212
DYFONATE 4-EC

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



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

J 433

ZENECA INC
DYFONATE 4-EC
10182-212 6/25/93
Original Submission

The REI for certain crops in your label is longer than the REI you have included in the Agricultural Use Requirements statement. Please follow the instructions on page 36 of the Main Labeling Guidance for the placement of these crop-specific REIs.

**RESTRICTED USE PESTICIDE
DUE TO ACUTE DERMAL 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® 4-EC
Emulsifiable Liquid Insecticide**

Organophosphate

ACCEPTED
with COMMENTS
In EPA Letter Dated

DEC 2 - 1993

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

10182-212

ACTIVE INGREDIENT:

O-Ethyl-S-phenylethylphosphonodithioate* 47.3%

INERT INGREDIENTS** : 52.7%

Total 100.0%

Contains 4 pounds fonofos per gallon.

*fonofos

**Contains xylene-range aromatic solvent.

EPA Reg. No. 10182-212

EPA Est. No. 10182-

_____ Gal. Net _____ L.

KEEP OUT OF REACH OF CHILDREN

**DANGER-POISON
(SKULL & CROSSBONES)**

PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

DANGER - READ ALL LABEL DIRECTIONS BEFORE USING

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

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 initiate the recommended procedures below. Simultaneously contact a physician, or the nearest hospital, or the nearest Poison Control Center.

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

POISON SYMPTOMS: The active ingredient in DYFONATE® 4-EC emulsifiable liquid insecticide (Isonofos) is an organophosphate pesticide that inhibits cholinesterase ~~known to be a cholinesterase inhibitor~~. Symptoms of poisoning include headache, blurred vision, weakness, nausea, discomfort in the chest, abdominal cramps, vomiting, diarrhea, salivation, sweating, and pinpoint pupils.

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

FIRST AID

If patient has stopped breathing, **IMMEDIATELY** remove from contaminated area, then start artificial respiration, preferably by mechanical means.

IF SWALLOWED: Immediately dilute the swallowed material by giving large quantities of water and induce vomiting by gagging the victim with a finger or blunt object placed on the back of the victim's tongue. Give fluids until vomitus is clear. Never give anything by mouth to an unconscious person. Call a physician or the nearest Poison Control Center.

IF ON SKIN: Remove contaminated clothing and immediately wash skin thoroughly for 15 minutes with soap and water. Avoid scraping or cutting the skin.

IF IN EYES: Flush with large amounts of running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eyes. Get medical attention.

IF INHALED: Remove to fresh air. Get medical attention if respiratory irritation occurs.

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

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

INFORMATION FOR PHYSICIAN: If cholinesterase inhibition is suspected, initial measures should include, if necessary, removal of secretions, maintenance of airway, assisted respiration, and atropine as the antidote. Atropine may be injected in large therapeutic doses as needed to abate symptoms and as tolerated by the patient. Pralidoxime chloride (2-Pam, Protopam) can also be used as adjunctive therapy. The material may continue to be

absorbed, resulting in relapse after initial improvement. Very close supervision of the patient is indicated for at least 48 to 72 hours.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

X POISON DANGER X

DANGER: 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. DO NOT BREATHE SPRAY MIST.

~~Use a MSHA/NIOSH approved respirator for pesticides.~~

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

~~Wash hands, arms, and face thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Routinely shower or bathe after work and wash all clothing with soap and hot water before reusing. In case of contact, immediately remove contaminated clothing and wash thoroughly with soap and water.~~

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category G on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Coveralls over short-sleeved shirt and short pants.
- Chemical-resistant gloves such as Barrier laminate or Vitron ≥ 14 mils.
- Chemical-resistant footwear plus socks.
- Protective eyewear.
- Chemical-resistant headgear for overhead exposure.
- Chemical-resistant apron when cleaning equipment, mixing, or loading.
- A respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and not water. Keep and wash PPE separately from other laundry.

Engineering controls statements:

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

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

Do not transport or store DYFONATE 4-EC with any food or feed intended for human or animal consumption.

Not for use or storage in or around the home.

~~Do not apply or allow to drift to areas occupied by unprotected humans or beneficial animals or onto adjoining food, fiber or pasture crops. Do not contaminate food or feed.~~

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Birds feeding in treated areas may be killed. Remove or cover if spills occur. Runoff from treated areas may be hazardous to fish in neighboring areas. For terrestrial uses, 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.

This chemical is known to leach through soil into groundwater under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

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.**

PHYSICAL AND CHEMICAL HAZARDS

Combustible Liquid

Do not use, pour, spill or store near heat or open flame.

DIRECTIONS FOR USE

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

Refer to attached booklet for use directions.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Application of a sulfonylurea herbicide such as Beacon® herbicide and Accent® herbicide following application of a soil insecticide such as DYFONATE 4-EC may result in crop injury. Follow the Directions for Use and Precautions contained on the sulfonylurea herbicide label.

Do not apply this product through any type of irrigation system.

GENERAL USE PRECAUTIONS

- Read all directions before using.
- Do not apply to any crop or in any manner not specified on this label.
- Do not rotate to carrots.
- Do not apply or allow to drift to areas occupied by domestic animals or onto adjoining food, fiber or pasture crops. Do not contaminate food or feed.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protection equipment (PPE), notification to workers, and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours. The REI is 72 hours in outdoor areas where average annual rainfall is less than 25 inches a year.

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls over short-sleeved shirt and short pants.
- Chemical-resistant footwear plus socks.
- Protective eyewear.
- Chemical-resistant headgear for overhead exposure.

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

REENTRY STATEMENTS

- ~~Do not enter treated areas without protective clothing until treatments have been completed.~~
- ~~Foliar Applications (over the top) for Sorghum: Do not allow worker reentry into treated fields within 6 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.~~
- ~~Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.~~
- ~~Do not apply this product in such a manner as to directly, or through drift, expose workers or other persons. The area being treated must be vacated by unprotected persons.~~
- ~~Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers.~~

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

~~Written warnings must include the following information, "**WARNING**. Area treated with DYFONATE Agricultural Insecticide on (date of application). Do not enter treated areas for foliar applications in sorghum for 6 days 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.)~~

STORAGE AND DISPOSAL

STORAGE: Minimum storage temperature: **MINUS 40°F**. Any steel container may be corroded by its contents. Dents or damage may promote corrosion. Use damaged and older containers **FIRST**. Inspect rusted cans for leaks.

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

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: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

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

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

11 9 33

**RESTRICTED USE PESTICIDE
DUE TO ACUTE DERMAL 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® 4-EC
Emulsifiable Liquid Insecticide**

Organophosphate

COMPLETE DIRECTIONS FOR USE

EPA Reg. No. 10182-212
EPA Est. No. 10182-

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

KEEP OUT OF REACH OF CHILDREN

**DANGER-POISON
(SKULL & CROSSBONES)**

PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

DANGER - READ ALL LABEL DIRECTIONS BEFORE USING

ACTIVE INGREDIENT:

<u>O</u> -Ethyl- <u>S</u> -phenylethylphosphonodithioate*	47.3%
INERT INGREDIENTS**:	<u>52.7%</u>
Total	100.0%

Contains 4 pounds fonofos per gallon.

*fonofos

**Contains xylene-range aromatic solvent.

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 initiate the recommended procedures below. Simultaneously contact a physician, or the nearest hospital, or the nearest Poison Control Center.

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

POISON SYMPTOMS: The active ingredient in DYFONATE® 4-EC emulsifiable liquid insecticide (fonofos) is an organophosphate pesticide that inhibits cholinesterase ~~known to be a cholinesterase inhibitor~~. Symptoms of poisoning include headache, blurred vision, weakness, nausea, discomfort in the chest, abdominal cramps, vomiting, diarrhea, salivation, sweating, and pinpoint pupils.

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

FIRST AID

If patient has stopped breathing, **IMMEDIATELY** remove from contaminated area, then start artificial respiration, preferably by mechanical means.

IF SWALLOWED: Immediately dilute the swallowed material by giving large quantities of water and induce vomiting by gagging the victim with a finger or blunt object placed on the

12 9 33

back of the victim's tongue. Give fluids until vomitus is clear. Never give anything by mouth to an unconscious person. Call a physician or the nearest Poison Control Center.

IF ON SKIN: Remove contaminated clothing and immediately wash skin thoroughly for 15 minutes with soap and water. Avoid scraping or cutting the skin.

IF IN EYES: Flush with large amounts of running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eyes. Get medical attention.

IF INHALED: Remove to fresh air. Get medical attention if respiratory irritation occurs.

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

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

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

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

X POISON DANGER X

DANGER: 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. DO NOT BREATHE SPRAY MIST.

~~Use a MSHA/NIOSH approved respirator for pesticides.~~

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

~~Wash hands, arms, and face thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Routinely shower or bathe after work and wash all clothing with soap and hot water before reusing. In case of contact, immediately remove contaminated clothing and wash thoroughly with soap and water.~~

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category G on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Coveralls over short-sleeved shirt and short pants.
- Chemical-resistant gloves such as Barner laminate or Vitron ≥ 14 mils.
- Chemical-resistant footwear plus socks.
- Protective eyewear.
- Chemical-resistant headgear for overhead exposure.
- Chemical-resistant apron when cleaning equipment, mixing, or loading.
- A respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering controls statements:

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

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

Do not transport or store DYFONATE 4-EC with any food or feed intended for human or animal consumption.

Not for use or storage in or around the home.

~~Do not apply or allow to drift to areas occupied by unprotected humans or beneficial animals or onto adjoining food, fiber or pasture crops. Do not contaminate food or feed.~~

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Birds feeding in treated areas may be killed. Remove or cover if spills occur. Runoff from treated areas may be hazardous to fish in neighboring areas. For terrestrial uses, 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.

This chemical is known to leach through soil into groundwater under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

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.

PHYSICAL AND CHEMICAL HAZARDS

Combustible Liquid

Do not use, pour, spill or store near heat or open flame.

INSECTS CONTROLLED

Black Cutworm
Cabbage Maggot
Corn Leaf Aphid
Garden Symphylan
Onion Maggot
Greenbug
Seedcorn Maggot
Sorghum Midge

*Agrotis ipsilon**
Hylemya brassicae
Rhopalosiphum maidis
Scutigerella immaculata
Hylemya antiqua
Schizaphis graminum
Hylemya platura
Contarinia sorghicola

*Suppression only

FLEA BEETLES:

Elongate Flea Beetle
Palestriped Flea Beetle
Sweetpotato Flea Beetle
Threespotted Flea Beetle
Tobacco Flea Beetle larvae

Systema elongata
Systema blanda
Chaetocnema confines
Disonycha triangularis
*Epitrix hirtipennis**

*Suppression only

ROOTWORMS:

Northern Corn Rootworm
Southern Corn Rootworm
Western Corn Rootworm
Mexican Corn Rootworm

Diabrotica longicornis barberi
Diabrotica undecimpunctata howardi
Diabrotica virgifera virgifera
Diabrotica virgifera zeae

WIREWORMS:

Corn Wireworm
Pacific Coast Wireworm
Southern Potato Wireworm
Sugarbeet Wireworm
Tobacco Wireworm
Western Field Wireworm
Wheat Wireworm
~~*Gtenicera lobata*~~
~~*Dalepnius pallidus*~~

Melanotus communis
Limonius canus
Conoderus falli
Limonius californicus
Conoderus vespertinus
Limonius infuscatus
Agriotes mancus

DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Application of a sulfonylurea herbicide such as Beacon® herbicide and Accent® herbicide following application of a soil insecticide such as DYFONATE 4-EC may result in crop injury. Follow the Directions for Use and Precautions contained on the sulfonylurea herbicide label.

Do not apply this product through any type of irrigation system.

GENERAL USE PRECAUTIONS

- Read all directions before using.
- Do not apply to any crop or in any manner not specified on this label.
- Do not rotate to carrots.
- Do not apply or allow to drift to areas occupied by domestic animals or onto adjoining food, fiber or pasture crops. Do not contaminate food or feed.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protection equipment (PPE), notification to workers, and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours. The REI is 72 hours in outdoor areas where average annual rainfall is less than 25 inches a year.

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls over short-sleeved shirt and short pants.
- Chemical-resistant footwear plus socks.
- Protective eyewear.
- Chemical-resistant headgear for overhead exposure.

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

REENTRY STATEMENTS

- ~~Do not enter treated areas without protective clothing until treatments have been completed.~~
- ~~Foliar Applications (over the top) for Sorghum: Do not allow worker reentry into treated fields within 6 days of application unless appropriate protective clothing is worn. Protective clothing means, at least, a hat or other suitable head covering, gloves, a long-sleeved shirt and long legged trousers or overall type garment (all closely woven fabric covering the body, including the arms and legs), shoes and socks.~~
- ~~Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.~~
- ~~Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.~~
- ~~Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers.~~

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

~~Written warnings must include the following information, "**WARNING.** Area treated with DYFONATE Agricultural Insecticide on (date of application). Do not enter treated areas for foliar applications in sorghum for 6 days 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.)~~

Application should be made only with tractor mounted spray equipment or larger, custom applicator type vehicles. Application should be made by trained personnel only, using approved protective equipment. Pour the recommended amount of DYFONATE 4-EC into nearly filled spray tank. Add balance of water to fill tank. Keep agitator running during filling and spraying operations. Apply in 20 to 50 gallons of water per broadcast acre using a properly calibrated, low-pressure sprayer having good agitation.

DYFONATE 4-EC may be combined with solution, slurry, and suspension fertilizers. In addition, certain herbicides may be combined with DYFONATE 4-EC, both with and without fertilizer. Read the recommendations for specific uses. Before combining in the spray tank, physical compatibility with these fluid fertilizers must be determined. See Appendix I for special directions regarding these combinations. Even though found to be compatible, agitation must be maintained during filling and application operations to ensure uniform distribution of material.

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

RECOMMENDATIONS

BEANS (GREEN AND DRY)

For control of garden symphylans and wireworms, apply 2 quarts (for symphylans) or 1 gallon (for symphylans and wireworms) DYFONATE 4-EC per acre, broadcast, prior to planting and incorporate into the soil using suitable tillage equipment. (For garden symphylans only, reduce the rate proportionately for band treatments.) Use a maximum of 1 gallon per acre per season.

For Control of Seedcorn Maggot:

Northwestern U.S. - Apply 2 quarts to 1 gallon DYFONATE 4-EC per acre, broadcast, on soil surface prior to planting and incorporate to a depth of 2 to 4 inches using suitable tillage equipment. Use higher rate where population pressure is severe.

Northeastern U.S. - Apply 1 gallon DYFONATE 4-EC per acre, broadcast, on soil surface prior to planting and incorporate to a depth of 2 to 4 inches using suitable tillage equipment. Use a maximum of 1 gallon per acre per season.

All treatments may be applied as a tankmix with EPTAM® 7-E selective herbicide in fluid fertilizer and/or water. Follow the appropriate regional recommendations in the crop section of the EPTAM 7-E label for broadcast, preplant incorporated applications. Use only fluid fertilizers compatible with EPTAM 7-E and DYFONATE 4-EC (see Appendix I). Observe all use precautions and limitations on the EPTAM 7-E label.

BEANS (LIMA)

For control of garden symphylans and wireworms, apply 2 quarts (for symphylans) or 1 gallon (for symphylans and wireworms) DYFONATE 4-EC per acre, broadcast, prior to planting and incorporate into the soil using suitable tillage equipment. The higher rate is recommended on lima beans grown in California only. (For garden symphylans only, reduce the rate proportionately for band treatments.) Use a maximum of 1 gallon per acre per season.

COLE CROPS (BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER)

Garden Symphylans: Prior to or at time of seeding or transplanting, apply 2 quarts DYFONATE 4-EC per acre, broadcast, and incorporate into the soil using suitable tillage equipment. (Reduce the rate proportionately for band treatments.) Use a maximum of 2 quarts per acre per season.

Cabbage Maggot: Northeastern U.S. Only - For transplant cole crops use 1 to 2 quarts DYFONATE 4-EC in 200 to 400 gallons of water per acre. Apply with a sprayer equipped with drop nozzles to direct a drenching spray to the base of the plants. Apply immediately after transplanting. Use a maximum of 2 quarts per acre per season.

CORN (FIELD, SWEET, AND POPCORN)

NOTE: May be used in corn grown for grain or silage. Use a maximum of 1 gallon per acre per season.

A. Band application for control of northern, southern, western, and Mexican corn rootworms:

Apply, at planting, 3/4 to 1 quart DYFONATE 4-EC per acre in a 6 to 8 inch band over corn rows 38 to 40 inches apart.

Incorporate into the top 1/2 to 1 inch of soil by making application ahead of the press wheels or by use of special covering devices or by dragging a short length of chain behind the press wheels.

Do not place DYFONATE 4-EC in direct contact with seed.

B. Broadcast application for control of symphylans, northern, southern, western, and Mexican corn rootworms and wireworms, and for suppression of black cutworm:

Apply 2 quarts (for symphylans), 3 quarts (for symphylans and corn rootworms), or 4 quarts (for symphylans, corn rootworms, wireworms and black cutworm) DYFONATE 4-EC per acre prior to planting and incorporate into the soil using suitable tillage equipment. This treatment may be applied as a tankmix with ERADICANE® 6.7-E or SUTAN+® 6.7-E selective herbicides or their recommended tankmixes with Atrazine 80W or 4L, or Bladex® 80W or 4L herbicides. A compatible fluid fertilizer (see Appendix I) or water may be used as carrier. Follow all directions, limitations, and use precautions on the ERADICANE 6.7-E, SUTAN+ 6.7-E, Atrazine, and Bladex labels. Do not tank mix DYFONATE 4-EC with ERADICANE 6.7-E on sweet corn or popcorn.

C. Split boot application for control of northern and western corn rootworms (recommended in the North Central and Midwestern corn growing areas only):

Apply, at planting, 1 quart DYFONATE 4-EC in 5 to 20 gallons of compatible fluid fertilizer (see Appendix I) per acre (40 inch row spacing) in subsurface split bands on each side of the corn row, 1-1/4 to 1-1/2 inches to each side of the seed and 1 to 2 inches deep. Do not place DYFONATE 4-EC in direct contact with the seed.

MINT (PEPPERMINT, SPEARMINT)

For control of garden symphylans, apply 2 quarts DYFONATE 4-EC per acre, broadcast, and incorporate into the soil using suitable tillage equipment prior to planting or on established plantings prior to Spring growth. (Do not apply terbacil for at least 3 weeks before or after the DYFONATE 4-EC application.) Do not apply after May 15. Do not apply more than once per season. Use a maximum of 2 quarts per acre per season.

ONIONS, BULB

For control of onion maggot, apply as a furrow treatment at time of planting. Based on a 20 inch row spacing, apply at a rate of 1 quart DYFONATE 4-EC per acre (1 quart per 2,613 feet of row; 3-1/4 fluid ounces per 2,613 feet of row; 1-1/4 fluid ounces per 1,000 feet of row). Use on organic soils only (soils containing 10% or more organic matter). Use a maximum of 1 quart per acre per season.

PEPPERS

For control of garden symphylans and wireworms, apply 2 quarts (for symphylans) or 4 quarts (for symphylans and wireworms) DYFONATE 4-EC per acre, broadcast, prior to planting and incorporate into the soil using suitable tillage equipment. (For garden symphylans only, reduce the rate proportionately for band treatments.) Use a maximum of 4 quarts per acre per season.

POTATOES (IRISH)

A. Broadcast preplant application for control of garden symphylans and wireworms:

Apply 2 quarts (for symphylans) or 4 quarts (for symphylans and wireworms) DYFONATE 4-EC per acre prior to planting and incorporate into the soil using suitable tillage equipment. This treatment may also be applied in certain areas as a tankmix with EPTAM 7-E in a compatible fluid fertilizer and/or water (see Appendix 1). Follow recommendations in the crop section of the EPTAM 7-E label for broadcast, preplant incorporated applications. For use in the Northern, Western, and Pacific Northwest Regions only. Observe all use precautions and limitations on the EPTAM 7-E label.

B. Banded preplant soil injection with fluid fertilizer for control of wireworms (Northwestern U.S. only):

Apply through fluid fertilizer shank immediately ahead of the planter. Set the shank to run 8 to 10 inches deep. Apply 2 quarts DYFONATE 4-EC per crop acre, based on 36 inch row spacing, in the recommended quantity of compatible liquid fertilizer (see Appendix I).

NOTE: For heavy wireworm infestations, use the broadcast application only. Use a maximum of 4 quarts per acre per season.

STRAWBERRIES

For control of symphylans, apply 2 quarts DYFONATE per acre, broadcast, and incorporate into the soil using tillage equipment prior to planting. (Reduce the rate proportionately for band treatments.) Use a maximum of 2 quarts per acre per season.

SUGAR BEETS

For control of garden symphylans and wireworms, apply 2 quarts (for symphylans) or 1 gallon (for symphylans and wireworms) DYFONATE 4-EC per acre, broadcast, prior to planting and incorporate into the soil using suitable tillage equipment. (For garden symphylans only,

reduce the rate proportionately for band treatments.) Use a maximum of 1 gallon per acre per season.

SUGARCANE

At Planting - For wireworm control, apply 4 quarts DYFONATE 4-EC per acre in a 14 inch band on cane rows 60 inches apart. This is equivalent to 11 to 14-1/2 fluid ounces of DYFONATE 4-EC per 1,000 linear feet of row. Apply over the top of sugarcane seed pieces immediately ahead of covering discs. Use a maximum of 1 gallon per acre per season.

SWEET POTATOES

For control of wireworms and flea beetle larvae, apply 1 gallon DYFONATE 4-EC per acre, broadcast, at planting and incorporate into the soil using suitable tillage equipment. Use a maximum of 1 gallon per acre per season.

TABLE BEETS

For control of cabbage maggot and garden symphylans, apply 2 quarts DYFONATE 4-EC per acre, broadcast, prior to planting and incorporate into the soil using suitable tillage equipment. (For garden symphylans only, reduce the rate proportionately for band treatments.) Use a maximum of 2 quarts per crop. Do not exceed 1 gallon per acre per season.

TOBACCO

For control of wireworms, apply 1 to 2 quarts DYFONATE 4-EC per acre, broadcast, prior to bedding and transplanting and incorporate into the soil using suitable tillage equipment. Use a maximum of 2 quarts DYFONATE 4-EC or equivalent per acre per season.

TANKMIX DIRECTIONS

TOBACCO

DYFONATE 4-EC and TILLAM® 6-E

DYFONATE 4-EC in combination with TILLAM® 6-E selective herbicide controls wireworms and certain weeds (see TILLAM 6-E label) in tobacco. Add to the spray tank and apply 1 quart DYFONATE 4-EC and 2-2/3 quarts TILLAM 6-E in 20 to 50 gallons of water per acre (see Appendix I). Use a properly calibrated, low-pressure, boom-type sprayer having good agitation.

DYFONATE 4-EC and EDGE®

Apply 1 quart of DYFONATE 4-EC in combination with 1 gallon of EDGE® insecticide-herbicide per acre to control wireworms, black cutworms, and to suppress flea beetle larvae.

DYFONATE 4-EC and TILLAM 6-E and DEVRINOL® 50-WP, 50-DF, or 2-E

Apply DYFONATE 4-EC at 1 to 2 quarts per acre in combination with TILLAM 6-E and DEVRINOL® 50-WP, 50-DF, or 2-E selective herbicide.

IMPORTANT: Refer to the DYFONATE 4-EC, TILLAM 6-E, EDGE, and DEVRINOL 50-WP, 50-DF, or 2-E labels for pertinent directions for use, and use precautions, and restrictions. The soil should be well worked and dry enough to permit good soil incorporation. The tankmix must be incorporated (mixed) into the soil immediately after application to prevent loss of the herbicide by evaporation. Whenever possible, application and incorporation should be done in the same operation. Use power driven cultivation equipment set to cut to a depth of 3 inches in light soil and 3 to 4 inches in heavy soil, or a tandem disc set to cut to a depth of 4 to 6 inches. Cross disc at right angles for thorough mixing. The bedding operation should follow the incorporation as soon as practical. Planting may be done immediately after bedding or at a later date; however, to ensure long term weed control, the crop should be planted as soon as possible after application and bedding.

TOMATOES

Do not exceed 1 gallon per acre per season. For control of garden symphylans, apply 2 quarts of DYFONATE 4-EC per acre, broadcast, prior to planting and incorporate into the soil using suitable tillage equipment. (Reduce the rate proportionately for band treatments.)

TOMATOES (Direct Seeded [California only] and Transplanted)

For control of garden symphylans and wireworms, apply 2 quarts (for symphylans) or 1 gallon (for symphylans and wireworms) DYFONATE 4-EC per acre, broadcast, prior to planting and incorporate into the soil using suitable tillage equipment. For garden symphylans only, reduce the rate proportionately for band treatments.

TANKMIX DIRECTIONS

TOMATOES (Direct Seeded [California only] and Transplanted)

Apply 2-2/3 to 4 quarts TILLAM 6-E plus 2 to 4 pounds DEVRINOL 50-WP OR 50-DF or 2 to 4 quarts DEVRINOL 2-E plus 2 quarts DYFONATE 4-EC for control of symphylans or 4 quarts for control of symphylans and wireworms in 25 to 50 gallons of water per broadcast acre. Use the lower DEVRINOL and TILLAM rates on light soils (coarse texture-sandy) and the higher rates on heavy soils (fine textured-clay). Do not use hotcaps on transplanted tomatoes.

IMPORTANT: For general use precautions, weeds controlled, and directions for use, refer to the TILLAM 6-E or DEVRINOL 50-WP, 50-DF, or 2-E labels for tankmix recommendations.

APPENDIX I

PROCEDURE FOR TESTING THE TANKMIX COMPATIBILITY OF DYFONATE 4-EC WITH FLUID FERTILIZERS AND DYFONATE 4-EC WITH HERBICIDES AND WATER OR FLUID FERTILIZERS.

This procedure is suggested for determining whether DYFONATE 4-EC and a specific fluid fertilizer and/or the specifically approved herbicide(s) may be combined for spray tank application.

Materials Required:

1. a. DYFONATE 4-EC.
b. DYFONATE 4-EC/herbicide combinations (EDGE, EPTAM 7-E, ERADICANE 6.7-E, SUTAN+ 6.7-E, TILLAM 6-E, Atrazine 8OW or 4L, or Bladex 8OW or 4L).
2. Water or fluid fertilizer to be used.
3. Adjuvant for tankmix - Compex™, Sponto™ 168-D, Unite™ or equivalent. The adjuvant which performs best depends on the specific fertilizer being considered.
4. Two one-quart, wide-mouth glass jars with tops.
5. Measuring spoons (a graduated cylinder or pipette will provide more accurate measurement).
6. Measuring cup, 8 oz. (237 mL)

Procedure:

1. Add one pint (2 cups or approximately 473 mL) of the test water or fluid fertilizer to each of the quart jars.
2. Add adjuvant to one of the jars and mix (see rate tables).
3. Carefully add the pesticides to each jar (see rate tables) as follows:
 - a. If only DYFONATE 4-EC is to be used, add it directly to each jar.
 - b. If a tankmix with a herbicide emulsifiable concentrate is to be used, add the herbicide first and mix, and then add the DYFONATE 4-EC.
 - c. If a tankmix with a herbicide emulsifiable concentrate and a wettable powder or flowable formulation is to be used, add and mix the pesticides in the following order:
 - (1) add and mix the wettable powder or flowable formulation first (premixing these in water prior to addition to fluid fertilizer often provides a more compatible mix with fluid fertilizer),

- (2) Add and mix the herbicide emulsifiable concentrate second,
 - (3) and finally, add the DYFONATE 4-EC.
4. Securely close each jar using the top and mix the contents by inverting the jar ten times.
 5. Inspect the mixtures immediately and after standing for thirty minutes without mixing.
 6. Dispose of jar mixes according to disposal statements contained within this label.

A mixture may be incompatible if either of the following conditions is observed:

- a. an oil layer or large oil globules are observed, or
- b. sludge or clumps are present.

If either mixture remains uniform for thirty minutes, the combination may be used. Should either mixture separate after thirty minutes, but remix readily with ten jar inversions, the combination can be used if good agitation is maintained in the spray tank. If nondispersible oil, sludge or clumps persist, the combination must not be used.

If the mixture with the adjuvant stays mixed, or remixes readily to form a uniform dispersion, but the one without adjuvant does not, be sure to use the adjuvant in the spray tank. Add the adjuvant first to the water or fluid fertilizer at the recommended rate. Minimize foaming by using moderate agitation.

RATE TABLE FOR DYFONATE 4-EC AND ADJUVANT** WITH THE FLUID FERTILIZER		
Gallons of Fluid Fertilizer To Be Applied Per Acre	Milliliters or Teaspoons of DYFONATE 4-EC* To Be Added to One Pint of Fertilizer	
	mL	Tsp.
10	12	2-1/2
15	8	1-2/3
20	6	1-1/4
25	5	1
40	3	2/3

* Based on a fluid rate of one pound active ingredient per acre in the fertilizer volumes indicated. Adjust volume proportionately to correspond with intended rate in terms of pounds active ingredient per acre (e.g. for a field rate of 2 pounds active ingredient in 10 gallons of fertilizer per acre, add 24 mL or 5 tsp. DYFONATE 4-EC to each jar for compatibility testing purposes).

** A typical adjuvant rate of use is 3 pints per 100 gallons of fluid fertilizer. Two (2) milliliters or one-half (1/2) teaspoon of adjuvant should be added to 1 pint of fertilizer in order to equal a rate of 3 pints of adjuvant per 100 gallons of fluid fertilizer.

RATE TABLE FOR DYFONATE 4-EC/EPTAM 7-E AND ADJUVANT** WITH THE FLUID FERTILIZER				
Gallons of Fluid Fertilizer To Be Applied Per Acre	Milliliters or Teaspoons of DYFONATE 4-EC* to Be added to 1 Pint of Fertilizer		Milliliters or Teaspoons of EPTAM 7-E* to Be Added to 1 Pint of Fertilizer	
	mL	Tsp.	mL	Tsp.
10	12	2-1/2	6-2/3	1-1/3
15	8	1-2/3	5	1
20	6	1-1/4	3-1/3	2/3
25	5	1	2-1/2	1/2
40	3	2/3	1-2/3	1/3

* Based on a field rate of one pound active ingredient per acre in the fertilizer volumes indicated. Adjust volumes proportionately to correspond with intended field rates in terms of pounds active ingredients per acre (e.g. for a field rate of 3 pounds of actual EPTAM 7-E in 20 gallons of fertilizer per acre, add 10 mL or 2 tsp. of EPTAM 7-E to each jar for compatibility testing purposes).

** A typical adjuvant rate of use is 3 pints per 100 gallons of fluid fertilizer. Two (2) milliliters or one-half (1/2) teaspoon of adjuvant should be added to 1 pint of fertilizer in order to equal a rate of 3 pints of adjuvant per 100 gallons of fluid fertilizer.

RATE TABLE FOR DYFONATE 4-EC/ERADICANE 6.7-E AND DYFONATE 4-EC/ SUTAN+ 6.7-E AND ADJUVANT** WITH FLUID FERTILIZER				
Gallons of Fluid Fertilizer To Be Applied Per Acre	Milliliters or Teaspoons of DYFONATE 4-EC* to Be added to 1 Pint of Fertilizer		Milliliters or Teaspoons of ERADICANE 6.7-E* or SUTAN+ 6.7-E To Be Added to 1 Pint of Fertilizer	
	mL	Tsp.	mL	Tsp.
10	12	2-1/2	7	1-1/2
15	8	1-2/3	5	1
20	6	1-1/4	3-1/2	3/4
25	5	1	2-1/2	1/2
40	3	2/3	1-3/4	1/3

* Based on a field rate of one pound active ingredient per acre in the fertilizer volumes indicated. Adjust volumes proportionately to correspond with intended field rates in terms of pounds active ingredients per acre (e.g. for a field rate of 4 pounds of actual SUTAN+ 6.7-E in 20 gallons of fertilizer per acre, add 14 mL or 3 tsp. of SUTAN+ 6.7-E to each jar for compatibility testing purposes).

** A typical adjuvant rate of use is 3 pints per 100 gallons of fluid fertilizer. Two (2) milliliters or one-half (1/2) teaspoon of adjuvant should be added to 1 pint of fertilizer in order to equal a rate of 3 pints of adjuvant per 100 gallons of fluid fertilizer.

RATE TABLE FOR DYFONATE 4-EC/ERADICANE 6.7-E/ATRAZINE OR BLADEx AND DYFONATE 4-EC/SUTAN+ 6.7-E/ATRAZINE OR BLADEx AND ADJUVANT** WITH WATER OR FLUID FERTILIZER								
Gallons of Water or Fluid Fertilizer To Be Applied/Acre Measure	10		15		20		25	
	mL	Tsp.	mL	Tsp.	mL	Tsp.	mL	Tsp.
Milliliters or Teaspoons of DYFONATE 4-EC* To Be Added To 1 Pint of Water or Fertilizer	12	2-1/2	8	1-2/3	6	1-1/4	5	1
Milliliters or Teaspoons of ERADICANE 6.7-E* or SUTAN+ 6.7-E* To Be Added To 1 Pint of Water or Fertilizer	7	1-1/2	5	1	3-1/2	3/4	2-1/2	1/2
Milliliters or Teaspoons of Atrazine 80W* or Bladex 80W* To Be Added to 1 Pint of Water or Fertilizer	22	4-1/2	15	3	11	2-1/4	8-2/3	1-3/4
Milliliters or Teaspoons of Atrazine 4L* or Bladex 4L* To Be Added to 1 Pint of Water or Fertilizer	12	2-1/2	8	1-2/3	6	1-1/4	5	1

- * Based on a field rate of one pound active ingredient per acre in the water or fertilizer volumes indicated. Actual rates should be proportionately to correspond with intended field rates in terms of pounds active ingredients per acre (e.g. for 4 pounds of actual SUTAN+ 6.7-E in 40 gallons of fertilizer per acre, add 7 mL or 1-1/2 tsp. of SUTAN+ 6.7-E per pint of water or fertilizer for compatibility testing purposes, i.e., 4 times the 10-gallon rate for 1 pound equals 28 mL or 6 tsp.; then dividing by factor four [40 ÷ 10 = 4] gives 7 mL or 1-1/2 tsp. per pint, which is equivalent to 4 pounds actual SUTAN+ 6.7-E per acre).
- ** A typical adjuvant rate of use is 3 pints per 100 gallons of fluid fertilizer. Two (2) milliliters or one-half (1/2) ounce adjuvant should be added to 1 pint of fertilizer in order to equal a rate of 3 pints of adjuvant per 100 gallons of fluid fertilizer.

10	12	2-1/2	6	1-2/3
15	8	1-2/3	5-1/4	1
20	6	1-1/4	4	3/4
25	5	1	3-1/4	2/3
40	3	2/3	2	1/3

- * Based on a field rate of one pound active ingredient per acre in the fertilizer volumes indicated. Adjust volumes proportionately to correspond with intended field rates in terms of pounds active ingredients per acre (e.g. for a field rate of 4 pounds of actual TILLAM 6-E in 20 gallons of fertilizer per acre, add 10 mL or 2 tsp. of TILLAM 6-E to each jar for compatibility testing purposes).
- ** A typical adjuvant rate of use is 3 pints per 100 gallons of fluid fertilizer. Two (2) milliliters or one-half (1/2) teaspoon of adjuvant should be added to 1 pint of fertilizer in order to equal a rate of 3 pints of adjuvant per 100 gallons of fluid fertilizer.

RATE TABLE FOR DYFONATE 4-EC/EDGE AND ADJUVANT**				
Gallons of Fluid Fertilizer to Be Applied Per Acre	Milliliters or Teaspoons of DYFONATE 4-EC* To Be Added to 1 Pint of Fertilizer		Milliliters or Teaspoons of EDGE* to be Added to 1 Pint of Fertilizer	
	mL	Tsp.	mL	Tsp.
10	12	2-1/2	12	2-1/2
15	8	1-2/3	8	1-2/3
20	6	1-1/4	6	1-1/4
25	5	1	5	1
40	3	2/3	3	2/3

* Based on a field rate of one pound active ingredient per acre in the fertilizer volumes indicated. Adjust volumes proportionately to correspond with intended field rates in terms of pounds active ingredients per acre (e.g. for a field rate of 4 pounds of EDGE in 20 gallons of fertilizer per acre, add 24 mL or 5 tsp. of EDGE to each jar for compatibility testing purposes).

** A typical adjuvant rate of use is 3 pints per 100 gallons of fluid fertilizer. Two (2) milliliters or one-half (1/2) teaspoon of adjuvant should be added to 1 pint of fertilizer in order to equal a rate of 3 pints of adjuvant per 100 gallons of fluid fertilizer.

Tankmix Directions

1. Fill the spray tank at least 2/3 full of the appropriate carrier fluid. Be sure tank is clean and not contaminated with 2,4-D type herbicides, oil residue, or other materials.
2. Start agitation and continue moderate agitation throughout mixing and application procedures.
3. Add the proper amount of adjuvant and mix (if adjuvant is to be used).
4. Next, add the Atrazine 8OW or 4L or Bladex 8OW or 4L (if it is to be combined in the tank) and mix to disperse it thoroughly.
5. Then add the herbicide emulsifiable concentrate (EDGE, EPTAM 7-E, ERADICANE 6.7-E, SUTAN+ 6.7-E or TILLAM 6-E) and mix thoroughly.
6. Lastly, add the DYFONATE 4-EC.
7. Complete filling the remaining portion of the tank with carrier fluid; mix thoroughly.
8. The tankmix combination should not be left in the spray tank for prolonged periods; batches should be mixed and applied the same day.

NOTE: Constant moderate agitation is required for successful tankmix preparation and application. Avoid excessive agitation which can cause tankmix incompatibility. All return lines to the tank must discharge below liquid level.

STORAGE AND DISPOSAL

STORAGE: Minimum storage temperature: **MINUS 40°F**. Any steel container may be corroded by its contents. Dents or damage may promote corrosion. Use damaged and older containers **FIRST**. Inspect rusted cans for leaks.

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

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: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

33 of 32

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.

DEVRINOL®, DYFONATE®, EPTAM®, ERADICANE®, SUTAN+® and TILLAM® are trademarks of a ZENECA Group Company.

Accent® and Bladex® are trademarks of E. I. du Pont de Nemours & Co. (Inc.).

Beacon® is a trademark of CIBA-GEIGY Corporation.

Compex™ is a trademark of Kalo, Inc.

Sponto™ is a trademark of Witco Corporation.

Unite™ is a trademark of HACO, Inc.