





### DANGER---POISON----PRECAUTIONS

#### POISONOUS IF SWALLOWED

This product can kill you if swallowed even in small amounts: spray mist or dust may be fatal if swallowed.

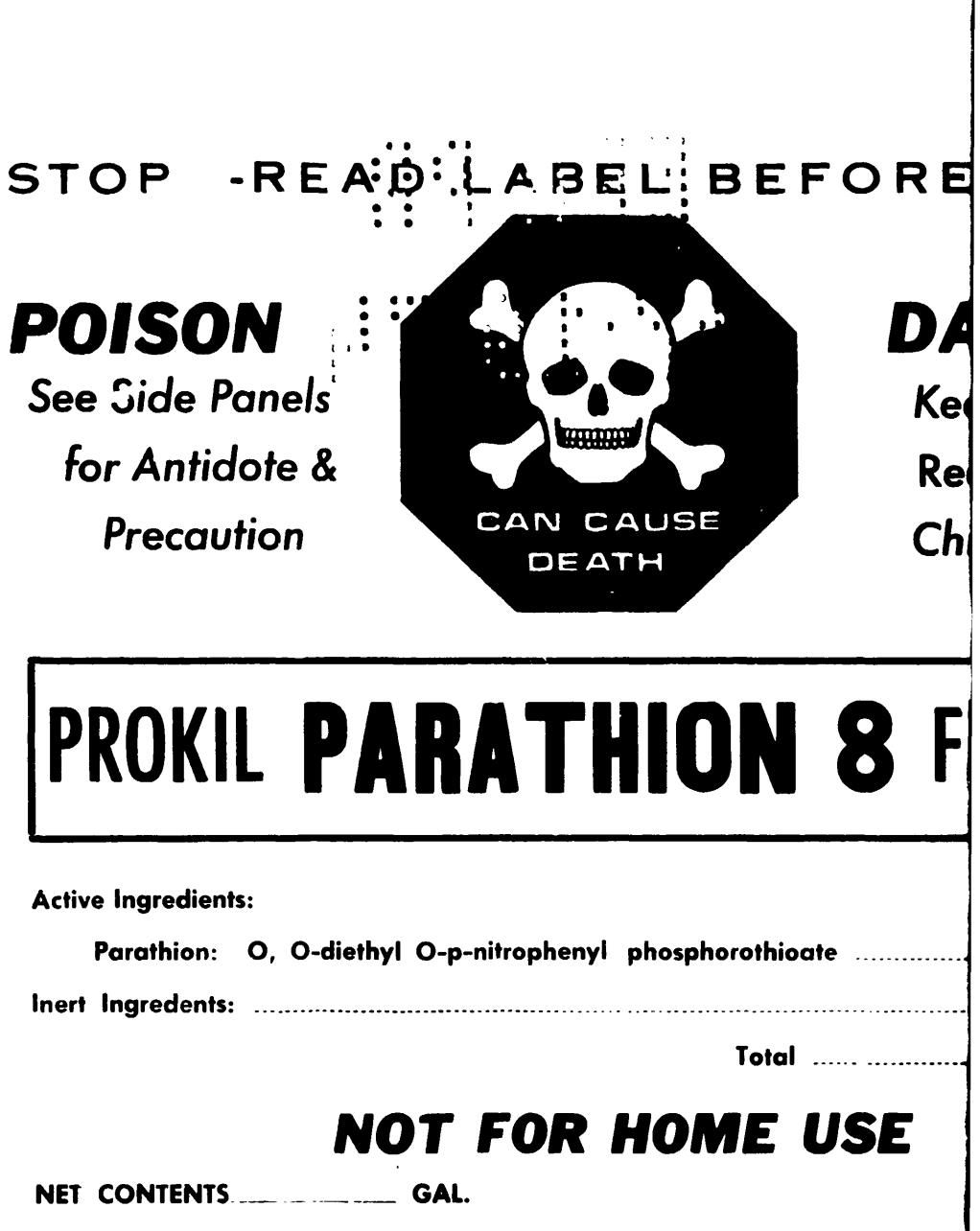
#### POISONOUS BY SKIN CONTACT

Poisonous if touched by hands or spilled or splashed on skin, in eyes or on clothing (liquid goes through clothes.)

#### **POISONOUS IF BREATHED**

Breathing vapors, spray mist or dust may be fatal.

This product is toxic to fish and wildlife. Birds and other wildlife in treated areas may be killed. Keep out of any body of water. Do not apply when weather conditions favor drift from treated areas. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment or disposal of wastes. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources. Apply this product only as specified on this label.



### The Dune Company

AGRICULTURAL CHEMICALS

P. O. Box 458 **Telephone:** 348-2262

340 East Main St. Calipatria, Calif. 92233

### TOP -READ LABEL BEFORE USING

### POISON See Side Panels for Antidote &

Precaution



# DANGER

Keep Out of **Reach of** Children

# PROKIL PARATHION 8 Flowable

Active Ingredients:			By \	Nt.
	Parathion:	O, O-diethyl O-p-nitrophenyl phosphorothioate	80.44	₩
<b>l</b> ert	Ingredents:		19.56	<b>%</b>
		Total	100.00	0%

### NOT FOR HOME USE

\_\_\_\_\_ GAL. IET CONTENTS

#### USE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE EQUIPMENT AND CLOTHING

(1) Wear water-proof pants, coat, hat. rubber boots or rubber overshoes. (2) Wear safety goggles. (3) Wear mask or respirator approved by the U.S Bureau of Mines for parathion protection. (4) Wear heavy duty, natural rubber gloves.

#### WORK SAFETY RULES

Keep all unprotected persons and children away from treated area or where there is danger of drift.

Do not rub eyes or mouth with hands. If you feel sick in any way STOP work and get help right away. Call a doctor (physician), clinic or hosptial-immediately. Explain that the victim has been exposed to parathion and describe his condition. After first aid is given (see First Aid Treatment Section) and if a doctor cannot come, take victim to clinic or hospital.

IMPORTANT! Before removing gloves, wash them with soap and water. Always wash hands, face and arms with soap and water before smoking, eating or drinking.

AFTER WORK, take off all work clothes and shoes. Shower, using soap and water. Wear only clean clothes when leaving job Do not wear contaminated clothing. Wash protective clothing and protective equipment with soap and sater after each use. Respirator should be cleaned and filter replaced according to instructions included with respirator.

EPA Reg. No. 10163-54

EPA Est. 10163-CA-1

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#### If breathin

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EPA Reg. No. 10163-54

EPA Est. 10163-CA-1

#### POISON SIGNS (Symptoms) X

Parathion is a very dangerous poison. It rapidly enters the body on contact with ail skin surfaces and eyes. Clothing wet with this material must be removed immediately. Exposed persons must receive prompt medical treatment or they may die.

Some of the signs and symptoms of poisoning are: Headache, nausea, vomiting, cramps, weakness, blurred vision, pinpoint pupils, tightness in chest, labored breathing, nervousness, sweating, watering of eyes, drooling or frothing of moun and nose, muscle spasms and coma.

#### FIRST AID TREATMENT

Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to parathion and describe his condition.

If breathing has stopped, start artificial respiratoin immediately and maintain until doctor sees victim. If swallowed and victim is awake (conscious) make him vomit quickly. Induce vomiting by sticking finger down throat or by giving soapy or strong salty water to drink. Repeat until vomit is clear. Never give anything by mouth to an unconscious person. Have victim lie down and keep quiet. See doctor immediately.

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. See doctor immediately.

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#### NOTE TO PHYSICIAN

Antidote-administer atropine sulfate in large doses, TWO to FOUR mg. intravenously or intramuscularly as soon as cyanosis is overcome. Repeat at 5 to 10 minute intervals until signs of atropinization appear. 2-PAM chloride is also antidotal and may be administered in conjunction with atropine. DO NOT GIVE MORPHINE OR TRANQUILIZERS. Parathion is a strong cholinesterase inhibitor affecting the central and peripheral nervous systems and producing cardiac and respiratory depression. At first sign of pulmonary edma, the patient should be given supplemental oxygen and treated symptomatically. Continued absorption of the poison may occur and fatal relapses have been reported after initial improvement: VERY CLOSE SUPERVISION OF THE PAT-IENT IS INDICATED FOR AT LEAST 48 HOURS.

#### POST TREATED AREA

Consult your State Agricultural Extension Service or Experimental Station regarding posting treated areas.

#### CONTAINER DISPOSAL

See attached booklet for proper disposal.

#### **CROP USE DIRECTIONS**

Use only according to attached label booklet instructions.

## PROKIL **Parathion 8** Flowable

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AN EMULSIFIABLE LIQUID CONTAINING 8-LBS. PARATHION PER GALLON

PROTECT FROM TEMPERATURES Below 30°F Product may crystalize at lower temperatures. Warm or store at higher temperatures and mix to dissolve crystals and assure uniformity before use.

### Dírections For Use

THE DUNE COMPANY P. O. Box 458 CALIPATRIA, CALIF. 92233 EPA Reg. No. 10163-54 EPA Est. 10163-CA-1

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#### USE PRECAUTIONS

#### READ ALL PRECAUTIONS AND DIRECTIONS BEFORE USING. Use only for crops and claims recommended.

This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Ser-

In order that pesticidal residues on food and vice. lorage crops will not exceed tolerances established by the Federal Food and Drug Administration, use only at recommended rates and intervals, and do not apply closer to harvest than specified. Do not apply or allow to drift to areas occupied by unprotected humans or beneficial animals or onto adjoining food, fiber or pasture crops. The grower is responsible for residues on his crops as well as for damages caused by drift from his property to that of others. Consult state agricultural extension service or state agricultural experiment stations for additional information, as timing and number of applications needed will vary with local conditions. DIRECTIONS FOR USE

Application can be made by aircraft or ground power equipment by trained personnel only using approved protective equip-ment. Do not apply with hand equipment.

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Pour specified amount of this product into nearly filled spray tank. Add balance of water to fill tank. If mixture does not mix readily, but tends to separate as an oily layer, do not use as injury to plants may result Do not combine with wettable powand unless previous use of the mixture has represent physically compatible and safe to plants Always thoroughly emulsify this product with at least hall of total water before adding wettable powder.

#### SUGGESTED WATER RATES FOR AIRCRAFT AND GROUND APPLICATION. (Actual rate

required to provide thorough, uniform coverage varies with plant growth at time of application. Except as specified for certain uses, the following rates are therefore intended to cover a broad range of conditions.)

Стор	Gal. Water Aircraft G		
Vegetable & Field Crops .	5-20	2	
Orchard, Grapes Orchard Crops (See except	ions		
below)		30	
Citrus	· • •	50	
Grapes		10	

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Maximum permissible rate per acre, expressed as Prokil Parathion 8 Flowable is given in parenthesis (), after each crop claim.

#### RECOMMENDATIONS ---FRUIT & NUT CROPS

(Also read Directions for Use) Unless otherwise specified, rates are given in terms of Prokil Parathion 8 Flowable per 100 gals. of water for thorough coverage application. Unless otherwise specified, apply at the first sign of infestation and repeat at 7-10 day intervals as needed to maintain control, but observe use limitations given for suecific crops.

APPLES - Codling moth, mealybug, orange tortrix, plum curculio, red-banded leaf roller (2nd and 3rd brood), scales (San Jose, Forbes, scuriy), wooly apple aphid. Use 1/4 pt. for control of Codling moth and Plum curculio. Apply at petal fall and every 10 to 14 days thereafter until control is achieved. Aphids (rosy apple, green apple), bud moth, fruit tree leaf roller, mites (European red, two-spotted, Pacific, Schoenli, Willamette), red bug, red-banded leaf roller (1st brood). Use 2/5 pint.

Caution: Injury to fruit and foliage may result from use of this material or McIntosh and related varieties. Do not apply within 14 days of harvest. (3/4 pt.) APRICOTS Codling moth, Oriental fruit moth tortrix. Use 1/2-2/3 pt. for control of Codling moth and Oriental iruit moth tortrix. Apply at petal fall and every 10 to 14 days thereafter

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until control is achieved. Bud moth, fruit tres leaf roller, spider mites, aphids, use 2/5 pt. Do not apply until danger of bee poisoning has passed. Do not apply within 14 days of harvest. (3-2/3 pt.)

CHERRIES-Black cherry aphid, eye-spotted bud moth, lesser apple worm, mites, shot hole borer, western cherry trult fly. Use 1/4 pt. For fruit fly control, begin applications as fly emergence and repeat at 7 day intervals. Do not apply within 14 days of harvest. (2 pt.) CITRUS (Calif. Recommendations)- Citrus thrips. Use 1% pt. in 10-20 gal. water when applied by aircraft; 100-200 gal. water by ground equipment. Apply at petal fail; repeat in late summer and early fall to protect new growth and prevent fruit scarring. Citrus Scales-Prokil Parathion 8-Flowable is recommended for control of California Citrus Scales. The product may be used in conventional high-pressure ground sprayers or boom sprayers and airblast equipment when the latter are capable of providing thorough coverage. Black Scale - Use 1/2 pt. Make a full coverage spray during Aug.-Nov. California Red and Yellow Scaler-Use % pt. alone or with 11/2-13/4 gal. of a light or light medium oil emulsion in a full coverage spray at recommended times. Citricola and Cottony-cushion Scales-Use 11/2 pt. Apply 100-400 gal. spray per acre, or use 1/16 pt, in a full coverage spray during Aug.-Nov.; in-

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crease dose to 1/8 pt. during Feb.-Mar. and to  $\frac{1}{4}$  pt. during May and June applications. Purple Scale-Use 1/2 pt or 1/8 pt. with 11/2-13/4 gal. of a light or light medium oil emulsion in a full coverage spray at recommended times. Max. Rate/Acre and Date Limitation: 1/2 gal. up to 14 days of harvest; 11/4 gal. up to 30 days of harvest. CAUTION: Do not permit workers to enter the treated area to engaged in any work requiring substantial contact with treated foliage for the following periods: Up to 4 pts. per acre per year, 21 days; 4 to 10 pts. per acre per year, 30 days; and 8 or more pts. per acre per application or more than 10 pts. per acre per year, 45 days.

GRAPES (Calif. Recommendations)—Mealybug. Use 1 pt. plus 2 gal. dormant oil emulsion Apply during dormant period. Spray vines after pruning but before budding. Refer to Extension bulletin for compete spray program. Leaf folder. Use 1 pt. Mites. Use 1/4 pt. Repeat applications at 5-7 day intervals. Max. Rate/Acre and Date Limitation: 1½ pt. up to 14 days of harvest; 2½ pt. if applied before fruit is the size of buckshot or after harvest. CAUTION—Do not permit workers to enter the treated area to engage in any work requiring substantial contact with treated foliage for 21 days.

NECTARINES DEACHES Contantes 1

(on Nectarines only), San Jose Scale. Use 1/2 pt. for control of Oriental fruit moth. Apply at petal fall and every 10 to 14 days thereafter until control is achieved. Cottany peach scales, fruit tree leaf roller. green peach aphid, spider mites. Use 2/5 pt. Limitations: Areas other than Calif.: Full coverage spray for control of scale insects. Do not apply within 14 days of harvest. Do not apply more than 2 gt. per acre per application or more than 21/2 gt. per acre per year. California: Do not apply within 21 days of harvest. Do not apply more than once after bloom. Do not apply more than 21/2 pt. per acre per application or more than 5 pt. per acre between Jan. 1st and harvest. **CAUTION** — Do not permit workers to enter the treated area to engage in any work reguiring substantial contact with treated foliage for 21 day after treatment. PEARS — Codling moth, mealybug, pear blister mite, woolly aphid. Use 1/4 pt. in preblossom spray. Pear psylla, spider mites. Use 2/5 pt. Make either pre-blossom or post-blossom sprays for the pear psylla. Under some conditions injury may occur on Bosc pears. Do not apply within 14 days of harvest. (3 2/3 pt.) PRUNE, PLUM - Peach twig borer. Use 1/2 pt. Bud moth, mealy plum louse, tortrix, leaf roller, Teaf hopper, aphids, spider mites.

Use 2/5-1/4 pt. Do not apply within 14 days of harvest. (1/2 gal.)

OLIVE --- Scales (parlatoria, oleander, black) Use 1/4 pt. or 1/2 pt. with regular oil spray during June or July. Do not apply after Aug 1. (2½ qts.)

STRAWBERRIES - Aphids. Use 1/2-3/4 pt. Do not apply within 14 days of harvest. (3/4 pt.) Post-harvest control of root weevil. Use 1 pt. (1 pt.)

WALNUTS - Aphids, red spider. Use 1/4 pt. Repeat at 7-10 days for red spider. Codling moth. Apply at petal fall and every 10 to 14 days thereafter until control is achieved. Use 1<sup>1</sup>/<sub>2</sub> qt. Do not apply after husks open. (25 qts)

#### VEGETABLE, FIELD & SPECIAL USES (Also read Directions for Use)

Unless otherwise indicated, dosages are given in pints of Prokil Parathion 8 Flowable per acre in sufficient water to provide thorough coverage. Begin applications when insects first appear and repeat at 7-10 day intervals as needed to maintain control, but observe use limitations given for specific crops.

ALFALFA SEED CROPS - Alialia chalcid. alfalta weevil larvae, aphids, armyworms, blister beetles, lygus. Areas other than Calif. Use 1/4-3/4 nt C-144-----

California: Use 1/2 pt. Use in early morning or late evening to avoid injury to pollinators. Birds and other wildlife in treated areas may be harmed. Do not apply within 15 day of harvest. Do not use Parathion if field to be cut for hay. (Areas other than California, 3/4 pt.; Calif. 1/2 pt.) ARTICHOKE Aphids, plume moth. Use 1/2 pt. Do not apply within 7 days of harvest.

(1/2 pt.) BEANS (Dry and Green)- Aphids, armyworms, leafhopper, leafminer, leaf roller, Mexican bean beetle, spider mites, stink bugs, whitelly. Use 1/2-3/4 pt. (1/2 pt.-7 days of harvest; 3/4 pt.-15 days.)

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BEETS - Aphids, armyworms blister beetle, flea beetle, leafhopper, leaf iner, webworm. Use 1/2-1/8 pt. Do not apply within 15 days of harvest; 21 days if treated tops are to be used for food or feed. (5/8 pt.)

CABBAGE, CAULIFLOWER, BROCCOLL BRUSSELS SPROUTS, KALE, MUSTARD, TURNIPS - Aphids, armyworms, cabbage looper, flea beetle, diamond-back möth larvae, imported cabbage worm, serpentine leafminer, thrips. Use 1/2 pt.

Rate and Use Limitations. Cabbage, kale, mustard, turnips:  $\frac{1}{4}$  pt.—7 days;  $\frac{1}{2}$  pt.—10 days. Cauliflower, broccoli: 1/2 pt.-7 days. Brussels sprouts: 1/2 pt-7 days.)

CARROTS - Aphids. Use3/16 pt. per 100

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gals. Apply 200 gals. per acre. Do not use treated carrot tops for food or feed. Do not apply within 15 days of harvest. (% pt.) CELERY - Aphids, celeryworms, celery lead

tier, Teathoppers, spider mites. Use 1/4-3/4 pt. (1/2 pt.-21 days of harvest; 3/4 pt.-30 days.) CORN - European corn borer. Consult your state agricultural experiment station for proper timing of treatments. Use 1/2-1 pt. Armyworms. Use 1/4 pt. Do not apply within 12 days of picking or cutting for forage. (1 pt.) COTTON - Aphids, cotton leaf perforator, false chinch bug, leafhopper, lygus bugs, salt marsh caterpillar, spider mites, stink bugs. Apply 1/2 pt. (1 pt. for leaf perforator). Do not hand pick or harvest within 7 days of application. (1 pt.) CUCUMBER, SQUASH, MELONS - Aphids, cucumber beetle, cutworms, darking ground

beetle, flea beetle, leafhopper, leafminer, melon worm, pickle worm, serpentine leafminer, squash bug, spider mites, petrobia mite, thrips. Use ½ pt. Make no applications before plants start to vine or within 15 days of harvest on cucumber and squash; 7 days of harvest on melons.

LEGUMES (alialia, clover, vetch), SMALL GRAINS (barley, oats, wheat)-Alialia weevil (on alfalfa) aphide (including valley, clause

plication within 15 days of cutting or forage ONIONS - Thrips - Apply  $\frac{1}{2}$ - $\frac{3}{4}$  pt and receat at weekly intervals as necessary for control. Do not apply within 15 days of harvest.  $(\frac{3}{4} \text{ pt.})$ PEAS -- Aphids, armyworms, climbing cutworms, pea weevil, serpentine leafminer, thrip. Use 1/2 pt. Do not apply within 10 day of harvest.  $(\frac{1}{2} \text{ pt.})$ PEPPERS - Aphids, pepper maggot, flea beetle, serpentine leafminer, thrips. Use 1/2-3/4 pt. To not apply within 15 days of harvest. (3/4 pt.) POTATOES—Aphids, Colorado potato beetle tiea beaue, leathopper, leatminer, spider mites. Use 1/2-1 pt. Do not apply within 5 days of harvest. (1 pt.) RICE (Calif. Only)--Bice leafminer, tadpole shrimp Use 1/10 pt. in 5-10 gal. water Apply by aircraft at the first sign of infestation after planting. Restrict spill from rice fields for 2 days following application. Do not apply within i day of harvest **CAUTION:** Do not use within 14 days of application of Stam -12---• •

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use or harvesting of grains. (Areas other than Calif.: 3/4 pt. for alfalfa, vetch, barley, and oats. California: 3/8 pt. for all crops.) Wheat l pt. LETTUCE, ENDIVE - Aphids, leathoppers. Use 1/2 pt. Do not apply within 7 days of harvest on head lettuce; 21 days on endive, leaf and bibb lettuce. (1/2 pt) F.34 or Rogue. Injury may result. Do not spray over canais or laterals. (1/10 pt.) SORGHUM - Felse chinch bug, grasshoppers. Use 1/4-3/8 pt. Corn earworm, sorghum webworm. Use 1/4-1/2 pt. Sorghum midge. 12 pt.)

Use 1/2 pt and make two applications 3-5

days apart when approximately 90% of the heads have emerged from the boot. Aphids, mates Use 1 pt. Do not apply within 12 days of harvest or cutting for forage. (1 pt) SPINACH - Aphids, leafminer. Apply 1/4-1/2 1. Do not apply within 14 days of harvest. SUGAR BEETS - Aphids, armyworms, Lister beetles, Ilea bootle, leafhopper, leafminer, mites, webworm. Use 12-34 pt. Do not apply within 15 lays of harvest, (3/4 pt.) TOMATOES - Aphids, flea beetle, leafhopper, serpentine leafminer, spider mites, stink bugs, tomate pinworm. Use 34-1 pt. Do not upply within 10 days of harvest. (1 pt) MOSQUITO CONTROL - On rue fields, irrighted pastures. Apply 1.6 m oz. in 5-20 gal, water by aircraft or in 25-100 gal, water by ground equipment. Do not apply within 15 days of harvest or grazing (1.6 il. oz.)

DANGER: Keep all persons out of the operating area or vicinity where there may be danger of drift. Vacated areas should not

DESTROY THIS CONTAINER WHEN EMPTY: Wash out thoroughly with water. Punch drum full of holes or crush so that it cannot be used for any purpose. Dispose of it where it cannot be salvaged for any use. ..Do not contaminate any body of water nor apply to any area not specified on the label.

This product is toxic to fish and wildlife. Birds feeding on treated areas may be killed. Do not apply when weather conditions favor drift from area treated. Do not apply where runoff is likely to occur. Keep out of lakes, streams or ponds. Do not contaminate water by cleaning of equipment, or disposal of wastes.

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Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources. Apply this product only as specified on this label.

THIS PRODUCT IS HIGHLY TOXIC TO BEES exposed to treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

FLAMMABLE: Do not use or store near heat or open flame. Keep container closed.

#### NOTICE ON CONDITIONS OF SALE

Our recommendations for use of this product cre based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, express or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage, resultsing from its misuse as such, or in combination with other materials.

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