# DANGER - POISON - PRECAUTIONS



# POISONOUS IF SWALLOWED

Even in small amounts!



# POISONOUS BY SKIN CONTACT

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



# POISONOUS IF BREATHED

Poisonous if vapor or mists from sprays are breathed. Vapors are not visible. Never work with parathion or in parathion treated areas without protective clothing and equipment.

POISONOUS TO FISH & WILDLIFE: Toxic to fish and wildlife. Birds and other wildlife in treated areas may be killed. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources. Keep out of any body of water. Do not apply when weather conditions favor drift from treated areas. Do not apply where run-off is likely to occur.

# POISON

See Side Panels for Antidote & **Precautions** 



### READ THE LABEL

DAN Keep Out Reach of Children

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PARATHION-IETHYL PA

### ORGANOPHOSPHORUS INSECTICIDE

Active Ingredients: — Parathion:
O,O-diethyl O-p-nitrophenyl phosphorothioate58%
O,O-dimethyl O-p-nitrophenyl phosphorothioate* 29%
Xylene range solvent
nert Ingredients 6%
Contains 6 lb. Parathion & 3 lb. *Methyl Parathion/Gal.
Read Label Folder for additional use precautions,
directions for use, recommendations and container
disposal. USDA Reg. No. 476-1894

### NOT FOR HOME USE

See side panels for poison precautions first aid treatment, information for ph posting treated areas.

NOTICE: Stauffer Chemical Company me ranties, express or it blied, including the of merchantability and or fitness for all purpose concerning this material, except are contained on Stauffer's label.

Made in USA By



STAUFFER CHEMICAL NEW YORK. NY 10017

STOP - READ THE LABEL



# DANGER

Keep Out of Reach of Children

ACCEPTED

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### IUS INSECTICIDE

athion: hyl phosphorothioate.....58% enyl phosphorothioate\* 29% ......7%

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3 lb. \*Methyl Parathion/Gal. addition: I use precautions, mmendations and container USDA Reg. No. 476-1894 NOT FOR HOME USE

See side panels for poison precautions, symptoms, first aid treatment, information for physician and posting treated areas.

NOTICE: Stauffer Chemical Company makes no warranties, express or implied, including the warranties of merchantability and/or fitness for any particular purpose concerning this material, except those which are contained on Stauffer's label.

ARC-710407

Made in USA By

AUFFER CHEMICAL COMPANY
NEW YORK, NY 10017 \_\_\_\_GAL. NET

### WORK SAFETY RULES

USE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT: (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.

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

Do not rub eyes or mouth with hands. Do not smoke. Before removing gloves, wash them with soap and water. At you feel sick in any way STOP work and get help right away. Tell foreman or have someone call him. Call a physician, clinic or hospital immediately.

ALWAYS wash hands, face and arms with soap and water before smoking, eating or drinking.

FTER WORK, take off all work clothes and shoes. Shower, using soap and water. Wear only clean clothes then leaving job. DO NOT wear contaminated work lothing.

All protective clothing and equipment should be washed with soap and water after each use. Respirators should be cleaned and filter replaced according to instructions included with respirator.

# \*

### POISON SIGNS (Symptoms)

Parathion is a very dangerous poison. It rapidly enters the body on contact with all skin surfaces, eyes and by contact with skin through wet clothes. Worker who shows any of the following poisoning signs must receive immediate medical treatment or he may die.

Signs and Symptoms of Poisoning Are: Headache, nausea, vomiting, cramps, blurred vision, pin-point pupils, tightness of chest, labored breathing, weakness, nervousness, sweating, watering of eyes, drooling or frothing of mouth and nose, muscle spasms and coma.

POSTING TREATED AREA: Consult state regulatory agencies for posting regulations and requirements.



### FIRST AID TREATMENT



Speed is essential to stop absorption of poison. If possible, one person should make telephone calls while another begins treatment.

Call a physician, clinic or hospital immediately in all cases of suspected poisoning. Explain victim exposed to parathion; describe his condition. Until medical help is available take following steps.

IF BREATHING HAS STOPPED, start artificial respiration immediately and continue until physician sees victim.

IF SWALLOWED and victim is awake (conscious) make him vomit quickly. First, give soapy water or strong salty water to drink then stroke back of throat with finger to make victim vomit. Repeat by giving more water and make vomit again until vomit fluid is clear. Never give anything by mouth to an unconscious person. Have victim lie down and keep quiet.

IN CASE OF SKIN CONTACT, immediately remove wet clothing and shoes and flush skin with water for at least 15 minutes.

EYE CONTACT: If splashed in eyes, immediately flush eyes with water for at least 15 minutes.

After first aid is given and physician can not come take victim to clinic or Hospital. Bring "Label Folder." Give to physician.

### NOTE TO PHYSICIAN

ANTIDOTE—Administer atropine sulfate in large doses, 2.0 to 4.0 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 system, producing cardiac and respiratory depression.

At first signs of pulmonary edema, the patient should be given supplemental oxygen and treated symptomatically. Continued absorption of the poison may occur and fatal relapses have been reported after initi. improvement. Very close supervision is indicated for at least 48 to 72 hours.



LABEL FOLDER CONTAINS ALL DIRECTIONS FOR USE

# PARATHION METHYL PARATHION 6-3-E

ORGANOPHOSPHORUS INSECTICIDE EMULSIFIABLE LIQUID

POISON DANGER



NOT FOR HOME USE

**Before Using Read All Precautions** and Directions for Use

<sup>\*</sup> 1 Reg. No. 476-1894

1-ARC-720622-12345

### RESEALABLE BAG

Pull flaps apart to open. Press along ridge to close.

### **IMPORTANT**

### SEE REVERSE SIDE OF FOLDER CONTAINS SAFETY LABELING INFORMATION

- Active Ingredient Statement
- Primary Statements of Hazard, Precautionary Instructions • Fish and Wildlife Precautions 476-1894
- Work Safety Rules
- Poison Symptoms
- First Aid Treatment
- Note to Physician

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**USE PRECAUTIONS** 

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

FISH & WILDLIFE CAUTIONS: This product is toxic to fish and wildlife. Keep out of lakes, streams, and ponds. Bi.ds and other wildlife in treated areas may be killed. Do not apply when weather condtions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes.

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 Service.

In order that pesticide residues on food  $\varepsilon$  nd forage crops will not exceed tolerances established 'y the Environmental Protection Agency and/or Federa, 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.

### CONTAINER DISPOSAL Destroy Empty Container—Never Re-Use

Completely empty contents and bury unused chemical 18 inches deep in an isolated location away from water

Glass Container: Break container and bury 18 inches deep.

Metal Containers: 1 gal. drum: Pour 1 qt. of water into empty drum. Add 1 tablespoon of household detergent. Rotate drum carefully until all inner surfaces are wet. Bury rinse solution 18" deep. Punch holes in top and bottom of container, crush and bury. 5 gal. drum: Pour

That, of water into empty drum. Slowly add 1/2 cup caustic ACCTTED sida (Iye) and 2 tablespoons of household detergent. Folldw the same rinsing, destruction and burial procedures given for 1 gal. drum. 55 gal. drum: Follow same procedures as for 5-gal. drum except use 5 gal. of water, 2 lb. INSECTICIDE of lye and cup of detergent.

> J FUIDON REGISTER CAUTION: Do not get rinse solution on hands, in eyes or on clothing. Wear protective clothing and equipment. ase of contact wash immediately with soap and water.

### DIRECTIONS FOR USE

Application can be made by aircraft or ground power equipment by trained personnel only using approved protective equipment. Do not apply with hand equipment. Pour specified amount of this product into nearly filled spray tank. Add balance of water to fill tank. Keep agitator running during filling and spraying operations. 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 powders unless previous use of the mixture has proven physically compatible and safe to plants. Always thoroughly emulsify this product with at least half of total water before adding wettable

NOTE: Preparation of nurse tank emulsion (for transfer of smaller amounts to application rigs; should provide for efficient agitation to prevent emulsion settling.

### SUGGESTED WATER RATES FOR AIRCRAFT AND GROUND EQUIPMENT

The 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 growing conditions.

Gal. Water/Acre Aircraft Ground 20-125 Vegetable and Field Crops.... 5-20

Maximum permissible rate per acre, expressed as Parathion-Methyl Parathion 6-3-E, is given in parenthesis (), after each crop claim. Maximum permissible rates per acre and corresponding limitations are listed as a ready reference of legal limits for occasions when rates higher than those recommended are necessary to control unusual infestations. Consult State Agricultural Experiment Stations or Cooperative State Extension Services for additional information as the timing and number of applications may vary with local conditions.

### VEGETABLE AND FIELD CROPS

(ALSO READ DIRECTIONS FOR USE)

Unless otherwise indicated, dosages are given in pints 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.

#### EXPLANATORY COMMENTS

Armyworms—Recommendation applies only for control up to 3rd instar stage.

Cutworms—Recommendation applies only to climbing

### ALFALFA—Alfalfa Weevil Larvae

Calif. & Nev.

Apply 1/3 pt. max. per acre in 15-20 gal. water, when 75% of terminals show feeding damage.

Areas Other Than Calif. & Nev.

Apply 1/3-2/3 pt. per acre to stubble immediately after removal of alfalfa, usually not later than May 25. (2/3 pt.)

Apply when 75% of terminals show feeding damage using  $\frac{1}{3}$ - $\frac{2}{3}$  pt. per acre. ( $\frac{2}{3}$  pt.)

**CAUTION**—Do not apply during bloom to avoid injury to bees. Do not apply within 15 days of cutting or forage use. Birds and other wildlife in treated areas may be killed.

### ALFALFA, CLOVER, VETCH

Aphids (green bug, spotted alfalfa aphid), alfalfa cat piliars, armyworms, grasshoppers. Use 1/3 pt. maxim per acre in Calif. & Nev.; for other areas use 1/4-1/2 per acre.

Blister beetle, flea beetle, leafhopper, mites. Use 1/3 max, per acre in Calif. & Nev.; for other areas use 1/3 pt. per acre.

CAUTION-Do not apply during bloom. Birds and otl wildlife in treated areas may be killed. Do not apply wi in 15 days of cutting or forage use.

### ARTICHOKE

Aphids, plume moth. Use 1/5 pt. Do not apply within days of harvest. (% pt.)

### BEANS (Dry)

Aphids, armyworms, leafhopper, leaf miner, leaf roll Mexican bean beetle, spider mites. Use 1/2-3/3 pt. Do i apply within 10 days of harvest. (% pt.)

### BEANS (Green)

Aphids, armyworms, leathopper, leaf miner, leaf roi Mexican bean beetle, spider mites. Use 25-33 pt. Do apply within 21 days of harvest. (% pt.)

### BEETS, Red

Aphids, blister beetles, webworms. Use 1/2-1/5 pt. Do apply within 15 days of harvest; 21 days it tops are to used as food. (% pt.)

### BLACKEYED PEAS, PEAS

Aphids, pea weevil. Use 3/3 pt. Do not apply within 15 d. of harvest. 3/3 pt.)

### CARROTS

Aphids, vegetable weevil. Use 1/2-1/5 pt. Do not use trea correct tops for food or feed. Do not apply within 15 d of harvest. (% pt.)

### CELEBY.

Aphids, celeryworms, celery leaf tier is se 3/2 3/2 pt. (3/8 -21 days of harvest; over 3/5 to 3/5 pt.-30 days.)

### COLE CROPS

Broccoli, Brussels sprouts, cabbage, cauliflower, kohlis Aphids, regetable weevil. Use 1/4-1/4 pt. Cabbage loo Use 3/3 pt.

### Rates & Use Limitation

Cabbage: 3/4 pt.—10 days; over 3/4 to 3/4 pt --21 days.

Broccoli, Brussels sprouts, cauliflower: 3/5 pt.--7 di over \(^2\start \) to \(^2\start \) pt.\(--21\) days.

Kohlrabi: 3/5 to 3/5 pt.-7 days.

### IONS FOR USE

can be made by aircraft or ground power by trained personnel only using approved quipment. Do not apply with hand equipspecified amount of this product into nearly ank. Add balance of water to fill tank. Keep ning during filling and spraying operations, les not mix readily, but tends to separate as , do not use as injury to ; lants may result, bine with wettable powders unless previous ixture has proven physically compatible and its. Always thoroughly emulsify this product half of total water before adding wettable

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		Gal. Water/Acre	
		Aircraft	Ground
d	Field Crops	5 20	20-125

Parathion 6-3-E, is given in parenthesis (), rop claim. Maximum permissible rates per responding limitations are listed as a ready legal limits for occasions when rates higher recommended are necessary to control unitions. Consult State Agricultural Experiment coperative State Extension Services for additional experiments.

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### -Alfalfa Wesvil Larvae

max, per acre in 15.20 gall water, when 75% show feeding damage.

#### Than Calif. & Nev.

pt. per acre to stubble immediately after reaffa, usually not later than May 25. (%) of )

75% of terminals show feeding damage pt. per acre. (外 pt.)

Do not apply during bloom to avoid injury to apply within 15 days of cutting or forage use her wildlife in treated areas may be killed

### ALFALFA, CLOVER, VETCH

Aphids (green bug, spotted alfalfa aphid), alfalfa caterpillars, armyworms, grasshoppers. Use  $\frac{1}{3}$  pt. maximum per acre in Calif. & Nev.; for other areas use  $\frac{1}{4}$ - $\frac{1}{2}$ 2 pt. per acre.

Blister beetle, flea beetle, leafhopper, mites. Use  $\frac{1}{3}$  pt. max. per acre in Calif. & Nev.; for other areas use  $\frac{1}{3}$ - $\frac{2}{3}$  pt. per acre.

**CAUTION**—Do not apply during bloom. Birds and other wildlife in treated areas may be killed. Do not apply within 15 days of cutting or forage use.

### ARTICHOKE

Aphids, plume moth. Use  $\frac{4}{5}$  pt. Do not apply within 7 days of harvest. ( $\frac{4}{5}$  pt.)

### BEANS (Dry)

Aphids, armyworms, leathopper, leaf miner, leaf roller, Mexican bean beetle, spider mites. Use 1/2 2/3 pt. Do not apply within 15 days of harvest. (2/3 pt.)

### BEANS (Green)

Aphids, armyworms, leafhopper, leaf miner, leaf roller, Mexican bean beetle, spider mites. Use \%-2/3 pt. Do not apply within 21 days of harvest. (% pt.)

### BEETS, Red

Aphids, blister beetles, webworms. Use 12-45 pt. Do not apply within 15 days of harvest; 21 days if tops are to be used as food. (45 pt.)

### BLACKEYED PEAS, PEAS

Aphids, pea weevil. Use 33 pt. Do not apply within 15 days of harvest. (33 pt.)

#### CARROTS

Aphilds, vegetable weevil. Use  $\frac{1}{2}$  % pt. Do not use treated carrot tops for folid or feed. Do not apply within 15 days of harvest. (% pt.)

#### CELERY

Aphids, celeryworms, celery leaf tier. Use 2/6 % pt. (% pt. -21 days of harvest; over 2/6 to % pt. -30 days)

### **COLE CROPS**

Broccoli, Brussels sprouts, cabbage, cauliflower, kohlrabi: Anhids, vegetable weevil. Use 1/4-2/5 pt. Cabbage Jooper. Use 3/4 pt.

### Rates & Use Limitation

Cabbage.  $\frac{2}{3}$  pt.  $\frac{10}{10}$  days; over  $\frac{2}{3}$  to  $\frac{2}{3}$  pt.  $\frac{21}{3}$  days.

Broccoli, Brussels sprouts, cauliflower: % pt.—7 days; over 44 to % pt.—21 days.

Kohlrabi:  $\frac{2}{5}$  to  $\frac{7}{5}$  pt. 7 days.

## COLLARDS, KALE, MUSTARD GREENS, SPINACH

Aphids, cabbage looper, leaf miner, vegetable weevil. Use 2/3 pt. Do not apply within 21 days of harvest. (2/3 pt.)

### CORN (Field)

Aphids, armyworms, budworm, spider mites. Use ½-½ pt. Corn rootworm adults (make full coverage application to foliage when adult beetles become numerous and repeat as necessary). Use ½ pt.

European corn borer: Use ½ pt. Make one or more applications when borer damage threatens depending on the extent of infestation and degree of control desired. Consult your State Agricultural Experiment Station for proper timing of treatments.

Limitations: Do not apply within 12 days of harvest or cutting for forage. (3/4 pt.)

### CORN (Sweet)

Armyworms, spider mites. Use 4/3 pt. Do not apply 12 days of harvest. (2/3 pt.)

### COTTON

Aphids, armyworms, cabbage looper, stink bug. Use 1 pt.

Boll weevil, overwintered boll weevil, salt-marsh caterpillar. Use 2/3-1 pt.

Bollworm, to bacco budworm. Use 11/3-13/5 pt.

Brown cotton leafworm, cotton leafworm, fleahopper, garden webworm, leafhoppers, leaf rollers, lygus, red spider mites, serpentine leaf miner, thrips. Use 1/2 pt.

Limitations: Do not apply within 7 days of hand-picking or harvest. Workers entering fields within 24 hours of application should wear protective clothing. (2% pt.)

### CUCUMBERS, MELONS, PUMPKINS, SQUASH (Summer & Winter)

Aphids, cucumber beetle, leafhopper, melonworm, pickleworm, serpentine leaf miner, spider mites, thrips. Use 2/4 pt. for all crops except 2<sub>3</sub> pt. for pumpkins. Do not apply before vining.

#### Rates & Use Limitations

Cucumbers:  $\frac{7}{5}$  pt.—15 days of harvest. Melons:  $\frac{7}{5}$  pt. -7 days of harvest. Pumpkins:  $\frac{7}{3}$  pt. -10 days of harvest. Squash:  $\frac{7}{5}$  pt. -15 days of harvest.

### GRASS (Hay & Pasture)

Aphids (green bug, spotted alfalfa aphid), armyworms, cutworms, grasshoppers. Use  $\frac{2}{3}$ - $\frac{1}{2}$  pt. Spider, mites, webworms. Use  $\frac{1}{2}$ - $\frac{2}{3}$  pt. Do not apply within 15 days of pasturing or harvest. ( $\frac{2}{3}$  pt.)

### LETTUCE (Leaf, Bibb, Head)

Aphids, Use 1/4 1/3 pt. Cabbage looper. Use 3/5 pt Do not use within 21 days of harvest. (2/5 pt.)

### CHOINO

Onion thrips, Use % pt. Do not apply within 15 days of harvest. (% pt.)

### PEPPERS

Aphids, leaf miners. Use ½.45 pt. Do not apply within 15 days of harvest. (45 pt.)

### POTATOES

Aphids, blister beetles, leafhoppers, leaf miners,  $\mu$  ant bugs, potato psyllids, thrips, vegetable weevits. Use  $\frac{4}{5}$ - $\frac{1}{3}$  pt. Do not apply within 5 days of harvest. ( $\frac{1}{3}$  pt.)

### RUTABAGAS

Aphids, cabbage looper. Use  $\frac{2}{3}$ -1 pt. Do not apply within 21 days of harvest. (I pt.)

### **SMALL GRAINS**

(BARLEY, OATS, WHEAT)—Aphids (green bug), armyworms, black grass bug (Irbisia), blister beetle, brown wheat mite (Petrobia), grasshoppers, leafhoppers, stink bugs. Use ½-2/3 pt. Fall armyworms, winter grain mites. Use ¼ pt.

Rate and Use Restriction: 2/3 pt. -15 days of harvest.

### SORGHUM

Corn earworm, corn leaf aphids, false chinch bug, sorghum webworm. Use 1/3 pt. Sorghum midge. Use 1/2-1/5 pt. Stink bug. Use 2/3 pt. Do not apply within 21 days of harvest. May cause injury to some varieties of sorgnum. (1/5 pt.)

### SOYBEANS

pt. Do not apply more than 2 applications per growing season. Do not apply within 20 days of grazing or harvest.

### SUGAR BEETS

Alfalfa looper, aphids, armyworms, blister beetles, cutworms, flea beetle, grasshopper, leafhopper, leaf miner. Iygus bug, mites, stink bugs, sugar beet webworm. Use  $1\frac{1}{2}$ ,  $2\frac{1}{3}$  pt. Do not apply within 20 days of harvest; 60 days if tops are to be fed to livestock. (? pt.)

### TOMATOES

Aphids, armyworms, cabbage looper, grasshoppers, leat miners, soider mites, tomato russet mite, whiteflies. Use 2/3-11/3 pt. Do not apply within 15 days of narvest. (11/3 pt.)

### TURNIPS

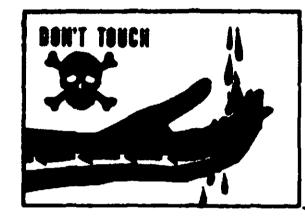
Aphids, cabbage looper, vegetable weevil. Use  $\frac{2}{3}$  pt. Do not apply within 15 days of harvest (21 days if tops are to be used as food). ( $\frac{2}{3}$  pt.)

# DANGER - POISON - PRECAUTIONS X -



# POISONOUS IF SWALLOWED

**Even in small amounts!** 



# **POISONOUS BY SKIN CONTACT**

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



# POISONOUS IF BREATHED

Poisonous if vapor or mists from sprays are breathed. Vapors are not visible. Never work with parathion or in parathion treated areas without protective clothing and equipment.

POISONOUS TO FISH & WILDLIFE: Toxic to fish and wildlife. Birds and other wildlife in treated areas may be killed. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources. Keep out of any body of water. Do not apply when weather conditions favor drift from treated areas. Do not apply where run-off is likely to occur.

### STOP - DEAD THE LABEL

# **POISON**

See Side Panels for Antidote & **Precautions** 



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**Keep Out of** Reach of Children 4K-1894 awa

# PARATHION-

### ORGANOPHOSPHORUS INSECTICIDE

Active Ingredients: — Parathion: O,O-diethyl O-p-nitrophenyl phosphorothioate.....58% O,O-dimethyl O-p-nitrophenyl phosphorothioate\* 29% Inert Ingredients Contains 6 lb. Parathion & 3 lb. \*Methyl Parathion/Gal. Read Label Folder for additional use precautions, directions for use, recommendations and container

### NOT FOR HOME USE

See side panels for poison precautions, symptoms, first aid treatment, information for physician and posting treated areas.

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Made in USA By

USDA Reg. No. 476-1894



disposal.

NEW YORK, NY 10017 GAL. NET

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GANOPHOSPHORUS INSECTICIDE

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DANGER

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Keep Out of

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Made in USA By



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### STAUFFER CHEMICAL COMPANY NEW YORK, NY 10017 GAL. NET

### **WORK SAFETY RULES**

use only whem wearing the following pro-TECTIVE CLOTHING AND EQUIPMENT: (1) Wear waterproof pants, cost, 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.

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

Do not rub eyes or mouth with hands. Do not smoke. Before removing gloves, wash them with soap and water. -If you feel sick in any way STOP work and get help right Children 1894 away. Tell foreman or have someone call him. Call a away. Tell foreman or hospital immediately.

> LWAYS wash hands, face and arms with soap and war before smoking, eating or drinking.

FTER WORK, take off all work clothes and shoes. shower, using soap and water. Wear only clean clothes then leaving job. DO NOT wear contaminated work

Ill protective clothing and equipment should be washed Ith soap and water after each use. Respirators should cleaned and filter replaced according to instructions holuded with respirator.

### POISON SIGNS (Symptoms)

Parathion is a very dangerous poison. It rapidly enters the body on contact with all skin surfaces, eyes and by contact with skin through wet clothes. Worker who shows any of the following poisoning signs must receive immediate medical treatment or he may die.

Signs and Symptoms of Poisoning Are: Headache, nausea, vomiting, cramps, blurred vision, pin-point pupils, tightness of chest, labored breathing, weakness, nervousness, sweating, watering of eyes, drooling or frothing of mouth and nose, muscle spasms and coma.

POSTING TREATED AREA: Consult state regulatory agencies for posting regulations and requirements.

### FIRST AID TREATMENT

Speed in eccential to stop absorption of poleon If possible, one person should make telephone calls while another begins treatment.

Call a physician, clinic or hospital immediately in all cases of suspected pelcenting. Explain victim exposed to parathion; describe his condition. Until medical help is available take following steps.

F BREATHING HAS STOPPED, start artificial respiration immediately and continue until physician sees victim.

IF SWALLOWED and victim is awake (conscious) make him vomit quickly. First, give soapy water or strong salty water to drink then stroke back of throat with finger to make victim vomit. Repeat by giving more water and make vomit again until vomit fluid is clear. Never give anything by mouth to an unconscious person. Have victim lie down and keep quiet.

IN CASE OF SKIN CONTACT, immediately remove wet clothing and shoes and flush skin with water for at least 15 minutes.

EYE CONTACT: If splashed in eyes, immediately flush eyes with water for at least 15 minutes.

> After first aid is given and physician can not come take victim to clinic or Hospital. Bring "Label Folder." Give to physician.

### NOTE TO PHYSICIAN

ANTIDOTE-Administer atropine sulfate in large doses, 2.0 to 4.0 mg. intravenously or intramuscularly as soon as cyanosis is overcome. Repeat at 5 to 10 minute intervals until signs of atropinization appear. 2-PAM chioride 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 system, producing cardiac and respiratory depression.

At first signs of pulmonary edema, 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 is indicated for at least 48 to 72 hours.



LABEL FOLDER CUNTAINS ALL DIRECTIONS FOR USE

# PARATHION: METHYL PARATHION 6-3-E

ORGANOPHOSPHORUS INSECTICIDE EMULSIFIABLE LIQUID

POISON DANGER



MOT FOR LOSEE USE

**Before Using Read All Precautions** and Directions for Use

Reg. No. 476-1894

1-ARC-720622-12345

### RESEALABLE BAG

Pull flaps apart to open. Press along ridge to close.

### **IMPORTANT**

### SEE REVERSE SIDE OF FOLDER CONTAINS SAFETY LABELING INFORMATION

- Active Ingredient Statement
- Primary Statements of Hazard, Precautionary Instructions • Fish and Wildlife Precautions 476-1894
- Work Safety Rules
- Poison Symptoms
- First Aid Treatment
- Note to Physician

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USE PRECAUTIONS

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

FISH & WILDLIFE CAUTIONS: This product is toxic to fish and wildlife. Keep out of lakes, streams, and ponds. Birds and other wildlife in treated areas may be killed. Do not apply when weather condtions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes.

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 Service.

In order that pesticide residues on food and forage crops will not exceed tolerances established by the Environmental Protection Agency and/or 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.

### CONTAINER DISPOSAL

Destroy Empty Container—Never Re-Use

Completely empty contents and bury unused chemical 18 inches deep in an isolated location away from water supplies.

Glass Container: Break container and bury 18 inches deep.

Metal Containers: 1 gal. drum: Pour 1 qt. of water into empty drum. Add 1 tablespoon of household detergent. Rotate drum carefully until all inner surfaces are wet. Bury rinse solution 18" deep. Punch holes in top and bottom of container, crush and bury. 5 gal. drum: Pour 門qt. of water into empty drum. Slowly add ½ cup caustic seda (lye) and 2 tablespoons of household detergent. Fol-low the same rinsing, destruction and burial procedures given for 1 gal. drum. 55 gal. drum; Follow same procedures as for 5-gal. drum except use 5 gal. of water, 2 lb. INSECTICIDE of lye and cup of detergent.

.... ruison REGISTER CAUTION: Do not get rinse solution on hands, in eyes or on clothing. Wear protective clothing and equipment. lase of contact wash immediately with soap and water.

### DIRECTIONS FOR USE

Application can be made by aircraft or ground power equipment by trained personnel only using approved protective equipment. Do not apply with hand equipment. Pour specified amount of this product into nearly filled spray tank. Add balance of water to fill tank. Keep agitator running during filling and spraying operations.
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 powders unless previous use of the mixture has proven physically compatible and safe to plants. Always thoroughly emulsify this product with at least half of total water legiere adding wettable powder.

NOTE: Preparation of nurse tank emulsion (for transfer of smaller amounts to application rigs) should provide for efficient agitation to prevent emulsion settling.

### SUGGESTED WATER RATES FOR AIRCRAFT AND GROUND EQUIPMENT

The 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 growing conditions.

**Gel. Water/Acre** Aircraft Ground Vegetable and Field Creps..... 20-125

Maximum permissible rate per acre, expressed as Parathion-Methyl Parathion 6-3-E, is given in parenthesis (), after each crop claim. Maximum permissible rates per acre and corresponding limitations are listed as a ready reference of legal limits for occasions when rates higher than those recommended are necessary to control unusual infestations. Consult State Agricultural Experiment Stations or Cooperative State Extension Services for additional information as the timing and number of applications may vary with local conditions.

### **VEGETABLE AND FIELD CROPS** (ALSO READ DIRECTIONS FOR USE)

Unless otherwise indicated, dosages are given in pints 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.

### **EXPLANATORY COMMENTS**

Armywerms—Recommendation applies only for control up to 3rd instar stage.

Cutworms—Recommendation applies only to climbing species.

### ALFALFA....Alfalfa Weevil.Larvae

Calif. & Nev.

pply 1/3 pt. max. per acre in 15-20 gal. water, when 75% of terminals show feeding damage.

Areas Other Than Calif. & Nev.

Apply 1/3-2/3 pt. per acre to stubble immediately after removal of alfalfa, usually not later than May 25. (49 pt.)

Apply when 75% of terminals show feeding damage using 1/3-2/3 pt. per acre. (2/3 pt.)

CAUTION—Do not apply during bloom to avoid injury to bees. Do not apply within 15 days of cutting or forage use. Birds and other wildlife in treated areas may be killed.

### ALFALFA, CLOVER, VETCH

Aphids (green bug, spotted alfalfa aphid), alfalfa caterpillars, armyworms, grasshoppers. Use 1/3 pt. maximum per acre in Calif. & Nev.; for other areas use 1/4-1/2 pt. per acre.

Blister beetle, flea beetle, leafhopper, mites. Use 1/3 pt. max. per acre in Cally. & Nev.; for other areas use 1/3-2/3 pt. per acre.

CAUTION-Do not apply during bloom. Birds and other wildlife in treated areas may be killed. Do not apply within 15 days of cutting or forage use.

### ARTICHOKE

Aphids, plume moth. Use 1/4 pt. Do not apply within 7 days of harvest. (% pt.)

### BEANS (Dry)

Aphids, armyworms, leafhopper, leaf miner, leaf roller, Mexican bean beetle, spider mites. Use 1/2-2/3 pt. Do not apply within 15 days of harvest. (3/2 pt.)

### BEANS (Green)

Aphids, armyworms, leafhopper, leaf miner, leaf roller, Mexican bean beetle, spider mites. Use 3/4-3/3 pt. Do not apply within 21 days of harvest. (3/4 pt.)

### BEETS. Red

Aphids, blister beetles, webworms. Use 1/2-1/5 pt. Do not apply within 15 days of harvest; 21 days if tops are to be used as food. (% pt.)

### BLACKEYED PEAS PEAS

Aphids, pea weevil. Use 3/3 pt. Do not apply within 15 days of harvest. (3/2 pt.)

### CARROIS

Aphids, vegetable weevil, Use 1/2-1/5 pt. Do not use treated carrot tops for food or feed. Do not apply within 15 days of harvest. (% pt.)

### CELERY

Aphids, celeryworms, celery leaf tier. Use 4-45 pt. (45 pt. -21 days of harvest; over 1/4 to 1/5 pt.-30 days.)

### COLE CROPS

Broccoli, Brussels sprouts, cabbage, cauliflower, kohlrabi: Aphids vegetable weevil Use 14-1/4 pt. Cabbage looper. Use 3/3 pt.

#### Rates & Use Limitation

Cabbage: % pt.—10 days; over 3/5 to 3/5 pt.—21 days.

Broccoli, Brussels sprouts, cauliflower: 3/5 pt.-7 days; over 3/5 to 3/5 pt.—21 days.

Kohlrabi: 3/4 to 3/4 pt.-- 7 days.

### DIRECTIONS FOR USE

Application can be made by aircraft or ground power equipment by trained personnel only using approved protective equipment. Do not apply with hand equipment. Pour specified amount of this product into nearly filled spray tank. Add balance of water to fill tank. Keep agitator running during filling and spraying operations. 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 powders unless previous use of the mixture has proven physically compatible and safe to plants. Always thoroughly emulsify this product with at least half of total water before adding wettable powder.

NOTE: Preparation of nurse tank emulsion (for transfer of smaller amounts to application rigs) should provide for efficient agitation to prevent emulsion settling.

### SUGGESTED WATER RATES FOR AIRCRAFT AND GROUND EQUIPMENT

The 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 growing conditions.

_	Gal. Water/Acre	
Crop	Aircraft	Ground
Vegetable and Field Crops	5 <b>20</b>	20-125

Maximum permissible rate per acre, expressed as Parathion-Methyl Parathion 6-3-E, is given in parenthesis (), after each crop claim. Maximum permissible rates per acre and corresponding limitations are listed as a ready reference of legal limits for occasions when rates higher than those recommended are necessary to control unusual infestations. Consult State Agricultural Experiment Stations or Cooperative State Extension Services for additional information as the timing and number of applications may vary with local conditions.

# VEGETABLE AND FIELD CROPS (ALSO READ DIRECTIONS FOR USE)

Unless otherwise indicated, dosages are given in pints 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.

### **EXPLANATORY COMMENTS**

**Armyworms**—Recommendation applies only for control up to 3rd instar stage.

**Cutworms**—Recommendation applies only to climbing species.

### ALFALFA-Alfalfa Weevil Larvae

Calif. & Nev.

Apply  $\frac{1}{3}$  pt. max. per acre in 15-20 gal. water, when 75% of terminals show feeding damage.

### Areas Other Than Calif. & Nev.

Apply 1/3-3/3 pt. per acre to stubble immediately after removal of alfalfa, usually not later than May 25. (3/3 pt.)

Apply when 75% of terminals show feeding damage using  $\frac{1}{3}$ - $\frac{2}{3}$  pt. per acre. (2/3 pt.)

**CAUTION**—Do not apply during bloom to avoid injury to bees. Do not apply within 15 days of cutting or forage use Birds and other wildlife in treated areas may be killed

### ALFALFA, CLOVER, VETCH

Aphids (green bug, spotted alfalfa aphid), alfalfa caterpillars, armyworms, grasshoppers. Use 1/3 pt. maximum per acre in Calif. & Nev.; for other areas use 1/4-1/2 pt. per acre.

Blister beetle, flea beetle, leafhopper, mites. Use 1/3 pt. max. per acré in Calif. & Nev.; for other areas use 1/3-2/3 pt. per acre.

CAUTION—Do not apply during bloom. Birds and other wildlife in treated areas may be killed. Do not apply within 15 days of cutting or forage use.

### ARTICHOKE

Aphids, plume moth. Use % pt. Do not apply within 7 days of harvest. (% pt.)

### BEANS (Dry)

Aphids, armyworms, leafhopper, leaf miner, leaf roller, Mexican bean beetle, spider mites. Use 1/2-2/3 pt. Do not apply within 15 days of harvest. (2/3 pt.)

### BEANS (Green)

Aphids, armyworms, leathopper, leaf miner, leaf roller, Mexican bean beetle, spider mites. Use %-% pt. Do not apply within 21 days of harvest. (% pt.)

### BEETS, Red

Aphids, blister beetles, webworms. Use ½-% pt. Do not apply within 15 days of harvest; 21 days if tops are to be used as food. (% pt.)

### BLACKEYED PEAS, PEAS

Aphids, pea weevil. Use % pt. Do not apply within 15 days of harvest. (% pt.)

### CARROIS

Aphids, vegetable weevil, Use ½-% pt. Do not use treated carrot tops for food or feed. Do not apply within 15 days of harvest. (% pt.)

### CELERY

Aphids, celeryworms, celery leaf tier. Use \%-\% pt. (\% pt. -21 days of harvest; over \% to \% pt. -30 days.)

### COLE CROPS

Broccoli, Brussels sprouts, cabbage, cauliflower, kohlrabi: Aphids, vegetable weevil. Use 1/4-2/5 pt. Cabbage looper. Use 2/3 pt.

#### Rates & Use Limitation

Cabbage: 3/4 pt.—10 days; over 3/4 to 3/4 pt.—21 days.

Broccoli, Brussels sprouts, cauliflower: 3/5 pt.--7 days; over 3/5 to 3/3 pt.--21 days.

Kohlrabi: 3/5 to 3/5 pt -7 days.

### COLLARDS, KALE, MUSTARD GREENS, SPINACH

Aphids, cabbage looper, leaf miner, vegetable weevil. Use % pt. Do not apply within 21 days of harvest. (% pt.)

### CORN (Field)

Aphids, armyworms, budworm, spider mites. Use 1/2-1/4 pt. Corn rootworm adults (make full coverage application to foliage when adult beetles become numerous and repeat as necessary). Use 1/4 pt.

European corn borer: Use ½ pt. Make one or more applications when borer damage threatens depending on the extent of infestation and degree of control desired. Consult your State Agricultural Experiment Station for proper timing of treatments.

Limitations: Do not apply within 12 days of harvest or cutting for forage. (3/2 pt.)

### CORN (Sweet)

Armyworms, spider mites. Use 3/3 pt. Do not apply 12 days of harvest. (3/3 pt.)

#### COTTON

Aphids, armyworms, cabbage looper, stink bug. Use 1 pt. Boll weevil, overwintered boll weevil, salt-marsh caterpillar, Use 2/3-1 pt.

Bollworm, tobacco budworm. Use 11/3-13/5 pt.

Brown cotton leafworm, cotton leafworm, fleahopper, garden webworm, leafhoppers, leaf rollers, lygus, red spider mites, serpentine leaf miner, thrips. Use ½ pt.

Limitations: Do not apply within 7 days of hand-picking or harvest. Workers entering fields within 24 hours of application should wear protective clothing. (1% pt.)

### CUCUMBERS, MELONS, PUMPKINS, SQUASH (Summer & Winter)

Aphids, cucumber beetle, leafhopper, melonworm, pickleworm, serpentine leaf miner, spider mites, thrips. Use ½ pt. for all crops except ¾ pt. for pumpkins. Do not apply before vining.

#### Rates & Use Limitations

Cucumbers: 3/4 pt.—15 days of harvest.

Melons: 3/4 pt.—7 days of harvest.

Pumpkins: 3/2 pt.—10 days of harvest.

Squash: 3/5 pt.—15 days of harvest.

### GRASS (Hay & Pasture)

Aphids (green bug, spotted alfalfa aphid), armyworms, cutworms, grasshoppers. Use 3/5-1/2 pt. Spider mites, webworms. Use 1/2-2/3 pt. Do not apply within 15 days of pasturing or harvest. (2/3 pt.)

### LETTUCE (Leaf, Bibb, Head)

Aphids. Use 1/4-1/3 pt. Cabbage looper, Use 3/5 pt Do not use within 21 days of harvest. (3/5 pt.)

### ONIONS

Onion thrips. Use 3/3 pt. Do not apply within 15 days of narvest. (3/3 pt.)

### **PEPPERS**

Aphids, leaf miners. Use ½-% pt. Do not apply within 15 days of harvest. (% pt.)

### **POTATOES**

Aphids, blister beetles, leafhoppers, leaf miners, plant bugs, potato psyllids, thrips, vegetable weevils. Use 45-143 pt. Do not apply within 5 days of harvest. (11/3 pt.)

### RUTABAGAS

Aphids, cabbage looper. Use 3-1 pt. Do not apply within 21 days of harvest. (I pt.)

### SMALL GRAINS

worms, black grass bug (Irbisia), blister beetle, brown wheat mite (Petrobia), grasshoppers, leafhoppers, stink bugs. Use ½-2/3 pt. Fall armyworms, winter grain mites. Use ¼ pt.

Rate and Use Restriction: 2/3 pt.—15 days of harvest.

### SORGHUM

Corn earworm, corn leaf aphids, false chinch bug, sorghum webworm. Use 1/3 pt. Sorghum midge. Use 1/2-1/5 pt. Stink bug. Use 2/3 pt. Do not apply within 21 days of harvest. May cause injury to some varieties of sorghum. (1/5 pt.)

#### SOYBEANS

Aphids, bollworm, fall armyworm, stink bugs, three-cornered alfalfa hopper, velvet bean caterpillar. Use 1/3-1/3 pt. Do not apply more than 2 applications per growing season. Do not apply within 20 days of grazing or harvest.

### SUGAR BEETS

Alfalfa looper, aphids, armyworms, blister beetles, cutworms, flea beetle, grasshopper, learnopper, lear miner, lygus bug, mites, stink bugs, sugar beet webworm. Use 1/2-3/3 pt. Do not apply within 20 days of harvest: 60 days if tops are to be fed to livestock. (3/3 pt.)

#### TOMATOES

Aphids, armyworms, cabbage looper, grasshoppers, leaf miners, spider mites, tomato russet mite, whiteflies. Use 3-1/3 pt. Do not apply within 15 days of harvest. (11/3 pt.)

### **TURNIPS**

Aphids, cabbage looper, vegetable weevil. Use 3/3 pt. Do not apply within 15 days of harvest (21 days if tops are to be used as food). (3/3 pt.)