

Bag Label
Front ...

STOP — READ THE LABEL

POISON
See Back Panel
for Antidote &
Precautions



DANGER
Keep Out of
Reach of
Children

E.P.A. Reg. No.
802-412-AA

Miller's

PARATHION 25W (25% Parathion Spray Powder)

AGRICULTURAL INSECTICIDE

ORGANOPHOSPHORUS INSECTICIDE

ACTIVE INGREDIENT:

*Parathion	25.0%
INERT INGREDIENTS	75.0%

*O,O-diethyl O-p-nitrophenyl thiophosphate

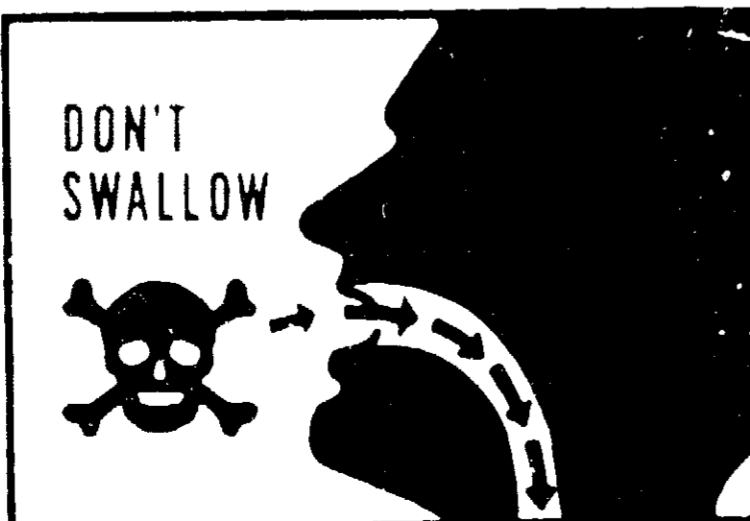
Read Label Folder for additional use precautions, directions for use, recommendations and container disposal.

NOT FOR HOME USE

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

NOTICE: Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.

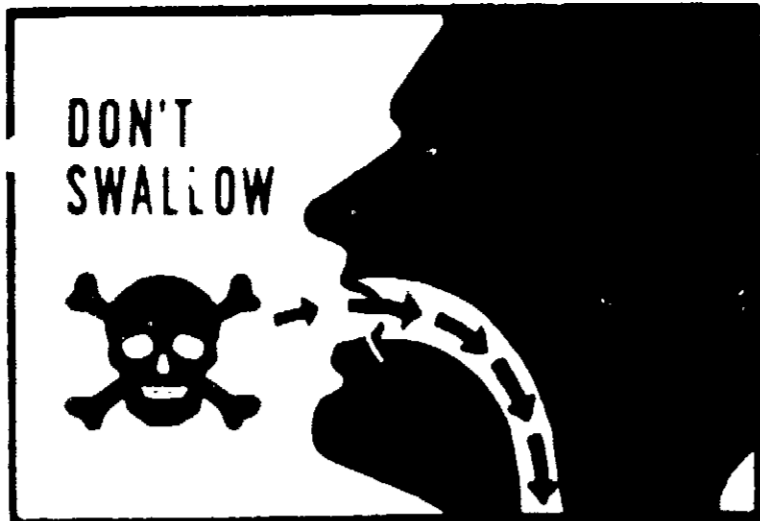
DANGER — POISON — PRECAUTIONS ☠



POISONOUS IF SWALLOWED

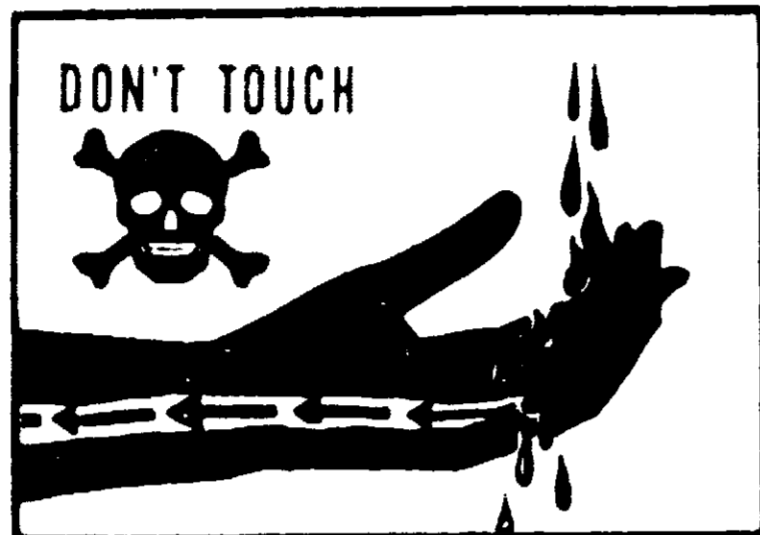
Even in small amounts!





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.

ACCEPTED
 Sep 8, 1972
 UNDER THE FEDERAL INSECTICIDE
 FUNGICIDE AND RODENTICIDE ACT
 FOR ECONOMIC INSECT REGISTERED
 UNDER THE FEDERAL INSECTICIDE
 ACT

NET WT. 4 LBS.

Manufactured for . . .

**MILLER PRODUCTS —
 THE CHAS. H. LILLY CO.**

Portland, Ore. 97214

Bag Label
Back ...

STOP — READ THE LABEL

POISON



DANGER

**Keep Out of
Reach of
Children**

Miller's

PARATHION 25W (25% Parathion
Spray Powder)

AGRICULTURAL INSECTICIDE

ORGANOPHOSPHORUS INSECTICIDE

NOT FOR HOME USE

WORK SAFETY RULES

USE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT: (1) Wear waterproof 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. If you feel sick in any

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

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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 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.

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 work clothing.

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.

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.

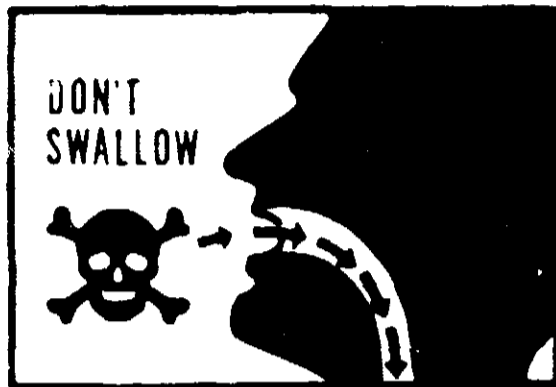
NOTE TO PHYSICIAN

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 initial improvement. Very close supervision is indicated for at least 48 to 72 hours.

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).



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STOP - READ THE LABEL

POISON

See Side Panels for Antidote & Precautions

Miller's

PARATHION 25W

(25% Parathion)
Spray Preparation

AGRICULTURAL INSECTICIDE

ORGANOPHOSPHORUS INSECTICIDE

NOT FOR HOME USE

ACTIVE INGREDIENT:

*Parathion 25.0%

INERT INGREDIENTS 75.0%

*O,O-diethyl O-p-nitrophenyl thiophosphate

See side panel for poison precautions, first aid treatment, and directions for physician and posting in treated areas.

Read Label Folder for additional use precautions, directions for use, recommendations and container disposal.

NOTICE: Follow directions carefully. Do not mix with other chemicals unless recommended, and other influencing factors in this product are beyond the control of the manufacturer. Buyer assumes all risks of use, storage and disposal of this material not in strict accordance with directions given herewith.

Manufactured for . . .
- MILLER PRODUCTS -
THE CHAS. H. LILLY CO.
Portland, Oregon 97214

ACCEPTED

SEP 8 1972

REGISTERED UNDER THE FEDERAL
FUNGICIDE AND MITICIDE ACT
FOR ECONOMIC POLYMER REGISTERED
UNDER NO. 802-412

DANGER

Keep Out of Reach of Children



STOP — READ THE LABEL



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Keep Out of Reach of Children

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PARATHION 25W

(25% Parathion Spray Powder)

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NOT FOR HOME USE

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Folder for additional use
directions for use, recom-
nd container disposal.

Manufactured for . . .

**- MILLER PRODUCTS -
THE CHAS. H. LILLY CO.
Portland, Oregon 97214**

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WORK SAFETY RULES

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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 away. Tell foreman or have someone call him. Call a physician, clinic or hospital immediately.

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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 an antidotal and may be administered in conjunction with atropine. **Do not give morphine or tranquilizers.**

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RESEALABLE POUCH
 ↑ Pull flaps apart to open.
 Press along ridge to close.

**LABEL FOLDER
 CONTAINS
 ALL DIRECTIONS FOR USE**

Miller's
PARATHION 25W

(25% Parathion Spray Powder)

Organophosphorus Insecticide

E. P. A. Reg. No. 802-412-AA

**POISON
 DANGER**



**NOT FOR
 HOME USE**

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

In California, Permit for Purchase or
 use required from County Agricultural
 Commissioner.

IMPORTANT

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

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

**- MILLER PRODUCTS -
 THE CHAS. H. LILLY CO.
 Portland, Oregon 97214**

USE PRECAUTIONS

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

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 conditions favor drift from areas treated.

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 pesticidal residues on food and forage 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 the timing, number and rate of applications needed will vary with local conditions.

CONTAINER DISPOSAL

Destroy Empty Container—Never Re-Use

Rinse spray equipment and dispose of wastes in a pit on non-crop lands located away from water supplies. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not re-use containers, punch holes in them and bury with wastes. Wear protective clothing noted under "Work Safety Rules" when disposing of containers and wastes.

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.

GENERAL—Wash the required amount of Miller's PARATHION 25W through screen into nearly filled spray tank or pre-mix in a bucket half-filled with water and pour into nearly filled spray tank. Add balance of water to complete mix. Keep agitator running during filling, mixing and spraying operations. Do not combine wettable powders with emulsified liquids in same spray tank unless previous use of the materials being combined has proven them to be compatible.

SUGGESTED WATER RATES FOR AIRCRAFT AND GROUND APPLICATION. (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 conditions.)

Crop	Gal. Water/Acre	
	Aircraft	Ground
Vegetable and Field Crops	1-20	5-125
Orchard, Grapes	5-25	.....
Orchard Crops (See exceptions below)	.....	300-800
Citrus	.....	500-3000
Grapes	.....	100-200

Maximum permissible rate per acre, expressed as Parathion 25W is given in parenthesis (), after each crop claim.

RECOMMENDATIONS

FRUIT AND NUT CROPS

(Also Read DIRECTIONS FOR USE)

Unless otherwise specified, rates are given in terms of PARATHION 25W per 100 gal. of water for thorough coverage application. Unless otherwise specified, apply at the first sign of infestation and repeat at 7 to 10 day intervals as needed to maintain control, but observe use limitations given for specific crops.

APPLES

Codling Moth, European Red Mite, Fruit Tree Leaf Roller, Mealybug, Orange Tortrix, Plum Curculio, Red-banded Leaf Roller (1st, 2nd and 3rd broods), Two-Spotted Mite. Use 1 lb.
Aphids (Rosal & Green Apple), Bud Moth, Pacific Mite, Red Bug, Schoenli Mite and Willamette Mite. Use 3/4 lb.

CAUTION: Injury to fruit and foliage may result from use of this material on McIntosh and related varieties. Do not apply within 14 days of harvest. (24 lbs.)

APRICOTS

Codling Moth, Oriental Fruit Moth, Tortrix. Use 1 to 2-1/4 lb.
Bud Moth, Fruit Tree Leaf Roller, Spider Mites, Aphids. Use 1-1/2 lb.

Do not apply until danger of bee poisoning has passed. Do not apply within 14 days of harvest. (14.4 lbs.)

CHERRIES

Black Cherry Aphid, Eye-spotted Bud Moth, Lesser Apple Worm, Mites, Shot-hole Borer, Western Cherry Fruit Fly. Use 1 lb.

For Fruit Fly control, begin applications at fly emergence and repeat at 7 day intervals. Do not apply within 14 days of harvest. (8.4 lbs.)

CITRUS

CALIFORNIA RECOMMENDATIONS: Citrus Thrips. Use 6 lbs. in 10 to 20 gal. water when applied by aircraft; 100 to 200 gal. water by ground equipment. Apply at petal fall; repeat in late summer and early fall to protect new growth and prevent fruit scarring.

Citrus Scales. This product is recommended for control of California Citrus Scales. It 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 1.6 lb. Make a full coverage spray during Aug.-Nov. **California Red and Yellow Scales.** Use 1.2 lbs. alone or with 1-1/2 to 1-3/4 gal. of a light or light medium oil emulsion in a full coverage spray at recommended times. **Citricola and Cottony-Cushion Scales.** Use 6 lbs. Apply 100 to 400 gal. spray per acre. **Purple Scale.** Use 1.2 lbs. with 1-1/2 to 1-3/4 gal. of light or light medium oil emulsion in a full coverage spray at recommended times.

Maximum Rate Per Acre and Time Limitations: 16 lbs. - 14 days of harvest. Over 16 lbs. and up to 40 lbs. - 30 days.

In California, the Farm Operator shall not permit workers to enter the treated area to engage in any activity requiring substantial contact with treated foliage until the interval in days noted below has elapsed following last application of Parathion 25W.

No more than 4 lbs. per acre per year 21 days
 More than 4 lbs. but no more than 10 lbs. per acre per year 30 days
 More than 8 lbs. per acre per application, or more than 10 lbs. per acre per year 45 days

GRAPES

CALIFORNIA RECOMMENDATIONS: M plus 2 gal. dormant oil emulsion per acre period. Spray vines after pruning but before California Extension Bulletin for com

In California, the Farm Operator shall not enter the treated area to engage in any substantial contact with treated foliage until the interval in days noted following last application.

NECTARINES, PEACHES

Callacing Insects, Oriental Fruit Moth, Thrips (on Nectarines only), San Jose

Cottony Peach Scale, Fruit Tree Leaf Aphid, Spider Mites. Use 1-3/4 lbs

Maximum Rate per Acre and Time Limitations: Full coverage spray for control not apply within 14 days of harvest. Do not apply more than once after harvest. Do not apply more than 16 lbs. per acre per application or more per year.

California: Do not apply within 21 days of harvest. Do not apply more than once after harvest. Do not apply more than 10 lbs. per acre per application or more than 16 lbs. per acre between Jan. 1st and harvest.

In California, the Farm Operator shall not enter the treated area to engage in any substantial contact with treated foliage until the interval in days noted following last application.

PEARS

Codling Moth, Mealy Bug, Pear Leaf Blight, Spider Mites. Use 1 lb. in pre-blossom spray.

Pear Psylla, Spider Mites. Use 3/4 lb. before or post-blossom sprays for the Pear Psylla. Do not apply within 14 days of harvest.

PLUMS, PRUNES

Aphids, Bud Moth, Leafhopper, Leaf Roller, Spider Mites, Tortrix. Use 1 lb.

Peach Twig Borer. Use 2 lbs.

Do not apply within 14 days of harvest.

OLIVES

Scales (Parlatoria, Oleander, Black). Use 100 to 200 gal. oil spray during June or July. Do not apply

STRAWBERRIES

Aphids. Use 2 to 3.2 lbs. per acre. Do not apply within 14 days of harvest. (3.2 lbs.) Post-harvest control. Use 4 lbs. per acre. (4 lbs.)

WALNUTS

Aphids, Red Spiders. Use 1 lb. Repeat after harvest. Do not apply after husks open. (4 lbs.)

VEGETABLE AND FIELD CROPS

(Also Read DIRECTIONS FOR USE)

Unless otherwise indicated, dosages of PARATHION 25W per acre in sufficient to provide thorough coverage. Begin application when insects appear and repeat at 7 to 10 day intervals until control, but observe use limitations for crops.

ALFALFA

Alfalfa Weevil. California: Apply 1 to 1-1/2 gal. water per acre. Make applications when weevils show feeding damage. Make no more than 2 applications per year. Do not apply within 14 days of cutting or forage use. (1-1/2 lbs.)

Areas other than California: Apply 1 to 1-1/2 gal. water per acre. Make applications when weevils show feeding damage. Do not apply within 14 days of cutting or forage use. (2 lbs.)

RECOMMENDATIONS

FRUIT AND NUT CROPS

(FOR USE)

Unless otherwise specified, rates are given in terms of 100 gal. of water for thorough coverage. Otherwise specified, apply at the first of the season and repeat at 7 to 10 day intervals as needed, but observe use limitations given.

Apple: Red Mite, Fruit Tree Leaf Roller, Plum Curculio, Red-banded Leaf Miner, Two-Spotted Mite. Use 1 lb. Apple Bud Moth, Pacific Mite, Red Willow Mite. Use 3/4 lb.

Damage to fruit and foliage may result from use of Parathion on early and related varieties. Do not apply within 14 days of harvest. (24 lbs.)

Cherry: Fruit Moth, Tortrix. Use 1 to 2-1/4 lb.

Plum: Leaf Roller, Spider Mites, Aphids.

Damage to fruit and foliage may result from use of Parathion on early and related varieties. Do not apply within 14 days of harvest. (14.4 lbs.)

Apple: Two-Spotted Bud Moth, Lesser Apple Worm, Western Cherry Fruit Fly. Use 1 lb.

Begin applications at fly emergence and repeat at 7 to 10 day intervals. Do not apply within 14 days of harvest.

RECOMMENDATIONS: Citrus Thrips. Use 6 lbs. per acre when applied by aircraft; 100 to 200 gal. per acre. Apply at petal fall; repeat in late summer to protect new growth and prevent fruit damage.

Parathion is recommended for control of California Citrus Thrips. It may be used in conventional high-pressure sprayers or boom sprayers and airblast nozzles. Parathion is capable of providing thorough coverage. Use 1.6 lb. Make a full coverage spray with 100 to 137.4 gal. of a light or light medium coverage spray at recommended times. Use 6 lbs. Apply 100 to 137.4 gal. of a light or light medium coverage spray at recommended times. Use 1.2 lb. with 1-1/2 gal. of a light medium oil emulsion in a full coverage spray at recommended times.

Maximum Rate and Time Limitations: 16 lbs. - 14 days; 16 lbs. and up to 40 lbs. - 30 days.

Operator shall not permit workers to enter the treated area to engage in any activity requiring substantial contact with treated foliage until the interval in days following last application of Parathion.

Maximum Rate and Time Limitations: 16 lbs. - 14 days; 16 lbs. and up to 40 lbs. - 30 days.

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GRAPES

CALIFORNIA RECOMMENDATIONS: Mealybug. Use 4 lbs. plus 2 gal. dormant oil emulsion per acre. Apply during dormant period. Spray vines after pruning but before budding. Refer to California Extension Bulletin for complete spray program.

In California, the Farm Operator shall not permit workers to enter the treated area to engage in any activity requiring substantial contact with treated foliage until 21 days have elapsed following last application.

NECTARINES, PEACHES

California Insects: Oriental Fruit Moth, Peach Twig Borer, Thrips (on Nectarines only), San Jose Scale. Use 2 lbs.

Cottony Peach Scale, Fruit Tree Leaf Roller, Green Peach Aphid, Spider Mites. Use 1-3/4 lbs.

Maximum Rate per Acre and Time Limitation: 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 16 lbs. per acre per application or more than 20 lbs. 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 10 lbs. per acre per application or more than 20 lbs. per acre between Jan. 1st and harvest.

In California, the Farm Operator shall not permit workers to enter the treated area to engage in any activity requiring substantial contact with treated foliage until 21 days have elapsed following last application.

PEARS

Codling Moth, Mealy Bug, Pear Leaf Blister Mite, Woolly Aphid. Use 1 lb. in pre-blossom spray.

Pear Psylla, Spider Mites. Use 3/4 lb. Make either pre-blossom or post-blossom sprays for the Pear Psylla.

Do not apply within 14 days of harvest. (14.4 lbs.)

PLUMS, PRUNES

Aphids, Bud Moth, Leafhopper, Leaf Roller, Mealy Plum Aphid, Spider Mites, Tortrix. Use 1 lb.

Peach Twig Borer. Use 2 lbs.

Do not apply within 14 days of harvest. (16 lbs.)

OLIVES

Scales (Parlatoria, Oleander, Black). Use 2 lbs. with regular oil spray during June or July. Do not apply after Aug. 1 (36 lbs.)

STRAWBERRIES

Aphids. Use 2 to 3.2 lbs. per acre. Do not apply within 14 days of harvest. (3.2 lbs.) Post-harvest control of Root Weevil. Use 4 lbs. per acre. (4 lbs.)

WALNUTS

Aphids, Red Spiders. Use 1 lb. Repeat at 7 to 10 days for Red Spider. Do not apply after husks open. (40 lbs.)

VEGETABLE AND FIELD CROPS

(Also Read DIRECTIONS FOR USE)

Unless otherwise indicated, dosages are given in pounds of PARATHION 25W per acre in sufficient water to provide thorough coverage. Begin applications when insects first appear and repeat at 7 to 10 day intervals as needed to maintain control, but observe use limitations given for specific crops.

ALFALFA

Alfalfa Weevil. California: Apply 1 to 1-1/2 lbs. per acre in 15 to 20 gal. water per acre. Make application when 75% of terminals show feeding damage. Make no application within 15 days of cutting or forage use. (1-1/2 lbs.)

Areas other than California: Apply 1 to 2 lbs. per acre as specified and limited above. (2 lbs.)

ALFALFA SEED CROPS

Alfalfa Chalcid, Alfalfa Weevil Larvae, Aphids, Armyworms, Blister Beetles, Lygus, Stink Bugs. Areas other than California: Use 1 to 3.2 lbs. California: Use 1-1/2 to 2 lbs.

Use in early morning or late evening to avoid injury to pollinators. Birds and other wildlife in treated areas may be harmed. Do not use Parathion if field is to be cut for hay. (Areas other than Calif. - 3.2 lbs. Calif. - 2 lbs.)

ALFALFA, CLOVER, VETCH

Aphids (including Yellow Clover Aphid), Armyworms, Blister Beetles, Grasshoppers. Apply 1 to 1-1/2 lbs. per acre. Make no application within 15 days of cutting or forage use. (1-1/2 lbs.)

ARTICHOKE

Aphids, Pieme Moth. Use 4 lbs. Do not apply within 7 days of harvest. (4 lbs.)

BEANS (Dry and Green)

Aphids, Armyworms, Leafhopper, Leaf Miner, Leaf Roller, Mexican Bean Beetle, Spider Mites, Stinkbugs, White Fly. Use 2 to 3.2 lbs. (2 lbs. - 7 days of harvest; over 2 lbs. up to 3.2 lbs. - 15 days.)

BEETS

Aphids, Blister Beetle, Flea Beetle, Leaf Miner, Webworm. Use 2 to 3.2 lbs. Do not apply within 15 days of harvest; 21 days if treated tops are to be used for food or feed. (3.2 lbs.)

CABBAGE, CAULIFLOWER, BROCCOLI, BRUSSELS SPROUTS, KALE, MUSTARD, TURNIPS

Aphids, Armyworms, Cabbage Looper, Flea Beetle, Diamond Back Moth Larvae, Imported Cabbageworm, Serpentine Leaf Miner, Thrips. Use 2 lbs.

Maximum Rates and Time Limitations: Broccoli, Brussels Sprouts, Cauliflower: 2 lbs. - 7 days; over 2 lbs. up to 6 lbs. - 21 days. Cabbage, Kale, Mustard, Turnips: 1 lb. - 7 days; over 1 lb. up to 2 lbs. - 10 days. (Cabbage only - over 1 lb. up to 6 lbs. - 21 days.)

CARROTS

Aphids: Use 3/4 to 1.3 lbs. per 100 gal. Apply 300 gal. per acre. Do not use treated tops for food or feed. Do not apply within 15 days of harvest. (4 lbs.)

CELERY

Aphids, Celeryworms, Celery Leaf Tier, Leafhoppers, Spider Mites. Use 2 to 4 lbs. (2 lbs. - 21 days of harvest; over 2 lbs. up to 4 lbs. - 30 days.)

CORN

Armyworms. Use 1 lb. **European Corn Borer.** Use 2 to 4 lbs. Do not apply within 12 days of picking or cutting for forage. (4 lbs.)

COTTON

Aphids, Armyworms (up to 3rd instar), Brown Cotton Leafhopper, Salt Marsh Caterpillar, Southern Garden Leafhopper, Stink Bugs, Spider Mites, Thrips. Use 2 lbs.

Bollworm, Cotton Leaf Perforator, False Chinch Bug, Flea-hopper, Lygus Bugs, Serpentine Leaf Miner, Tobacco Budworm. Use 4 lbs.

Time Limitations: For all uses listed above, do not exceed 4 lbs. per acre. Do not hand pick or harvest within 7 days of last application. Workers entering treated fields within 24 hours of application should wear protective clothing.

CUCUMBER, SQUASH (Summer and Winter), MELONS

Aphids, Cucumber Beetle, Cutworms, Darkling Ground Beetle, Flea Beetle, Leafhopper, Leaf Miner, Melonworm, Pickleworm, Serpentine Leaf Miner, Squash Bug, Spider Mites, Petrobia Mite, Thrips. Use 2 lbs. Do not apply unless plants are dry nor before plants start to vine. Do not apply within 15 days of harvest on Cucumber and Squash; 7 days on Melons. (2 lbs.)

EGGPLANT

Aphids, Leaf Miner. Use 3/4 to 1 lb. **Thrips.** Use 1 lb. **Red Spider Mites.** Use 1-1/2 lbs. Do not apply within 15 days of harvest. (1-1/2 lbs.)

LETTUCE, ENDIVE

Aphids, Leafhoppers. Use 2 lbs. Do not apply within 7 days of harvest on Head Lettuce; 21 days on Leaf and Bibb Lettuce and on Endive. (2 lbs.)

OKRA

Aphids, Leaf Miner, Stinkbugs. Use 2 lbs. Do not apply within 21 days of harvest. (2 lbs.)

ONIONS

Thrips. Apply 2 to 3.2 lbs. and repeat at weekly intervals as necessary for control. Do not apply within 15 days of harvest. (3.2 lbs.)

PEAS

Aphids, Armyworms, Climbing Cutworms, Peg Weevil, Serpentine Leaf Miner, Thrips. Use 2 lbs. Do not apply within 10 days of harvest. (2 lbs.)

PEPPERS

Aphids, Pepper Maggot, Flea Beetle, Serpentine Leaf Miner, Thrips. Use 2 to 3.2 lbs. Do not apply within 15 days of harvest. (3.2 lbs.)

POTATOES

Aphids, Armyworms, Colorado Potato Beetle, Flea Beetle, Green Stinkbug, Leafhopper, Leaf Miner, Spider Mites. Use 2 to 4 lbs. Do not apply within 5 days of harvest. (4 lbs.)

SMALL GRAINS (Barley, Oats, Wheat)

Aphids, Armyworms, Grasshoppers, Greenbug. Use 1 to 1-1/2 lbs. Do not apply within 15 days of harvest. (1-1/2 lbs.)

SORGHUM

False Chinch Bug, Grasshoppers. Use 1 to 1-1/4 lbs.

Corn Earworm, Sorghum Webworm. Use 1 to 2 lbs.

Sorghum Midge. Use 2 lbs. and make 2 applications 3 to 5 days apart when approximately 90% of the heads have emerged from the boot.

Aphids, Mites. Use 4 lbs.

Do not use within 12 days of harvest or cutting for forage. (4 lbs.)

SPINACH

Aphids, Leaf Miner. Apply 1 to 2 lbs. Do not apply within 14 days of harvest. (2 lbs.)

SUGAR BEETS

Aphids, Armyworms, Blister Beetle, Flea Beetle, Leafhopper, Leaf Miner, Mites, Webworm. Use 2 to 3.2 lbs. Do not apply within 15 days of harvest. (3.2 lbs.)

TOMATOES

Aphids, Flea Beetle, Leafhopper, Serpentine Leaf Miner, Spider Mites, Stinkbugs, Tomato Pinworm. Use 3 to 4 lbs. Do not apply within 10 days of harvest. (4 lbs.)

Read Label Folder for additional use precautions, directions for use, recommendations and container disposal.

Application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.

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.

762-412

ACCEPTED
Sep 8, 1973
FEDERAL AND STATE AGENCIES
RECOMMEND AND RECOMMEND ACT
AND RECOMMEND RECOMMEND RECOMMEND
RECOMMEND RECOMMEND RECOMMEND

NET WT. 4 LBS.

Manufactured for . . .
MILLER PRODUCTS —
THE CHAS. H. LILLY CO.
Portland, Ore. 97214

Bag Label
Front ...

STOP — READ THE LABEL

POISON
See Back Panel
for Antidote &
Precautions



DANGER
Keep Out of
Reach of
Children

Miller's

E.P.A. Reg. No.
802-412-AA

PARATHION 25W (25% Parathion Spray Powder)

AGRICULTURAL INSECTICIDE

ORGANOPHOSPHORUS INSECTICIDE

ACTIVE INGREDIENT:
*Parathion 25.0%
INERT INGREDIENTS 75.0%
*O,O-diethyl O-p-nitrophenyl thiophosphate

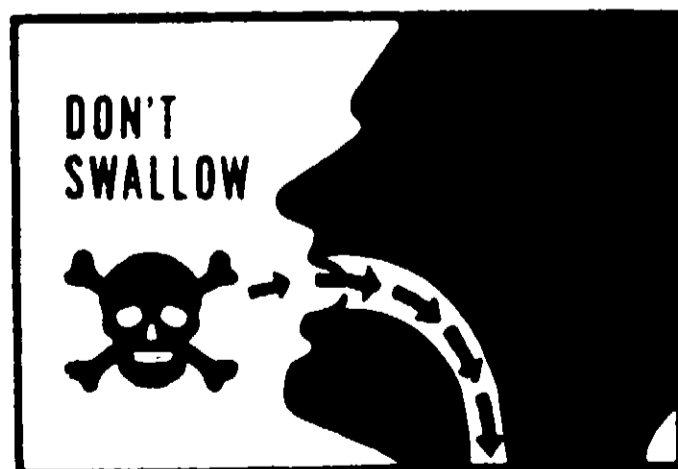
Read Label Folder for additional use precautions, directions for use, recommendations and container disposal.

NOT FOR HOME USE

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

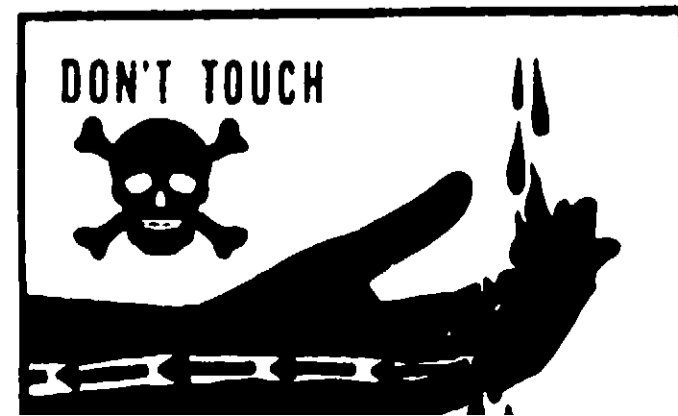
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DANGER — POISON — PRECAUTIONS ☠



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).

Parathion 28.0%
 INERT INGREDIENTS 75.0%
 *O,O-diethyl O-p-nitrophenyl thiophosphate

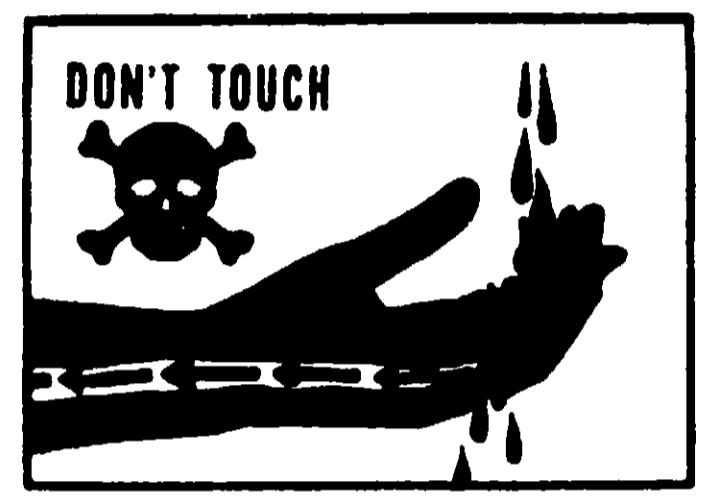
and treatment, information for physician and post-treatment areas.
 NOTICE: Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.

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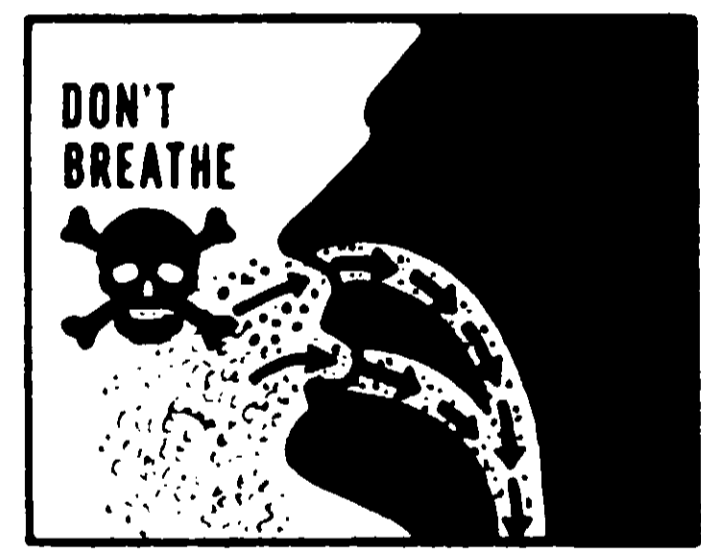
DANGER – POISON – PRECAUTIONS ☠



DON'T SWALLOW
POISONOUS IF SWALLOWED
 Even in small amounts!



DON'T TOUCH
POISONOUS BY SKIN CONTACT
 Poisonous if touched by hands or spilled or splashed on skin, in eyes or on clothes (liquid goes through clothes).



DON'T BREATHE
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.

Handwritten scribble

ACCEPTED
 Sep 8, 1973
 UNDER THE FEDERAL INSECTICIDE
 REGISTRATION AND IDENTIFICATION ACT
 THE FOLLOWING NUMBER IS REGISTERED
 18,148,000

NET WT. 4 LBS.

Manufactured for . . .
MILLER PRODUCTS —
THE CHAS. H. LILLY CO.
 Portland, Ore. 97214

Bag Label
Rack ...

STOP — READ THE LABEL

POISON



DANGER

**Keep Out of
Reach of
Children**

Miller's

PARATHION 25W (25% Parathion
Spray Powder)

AGRICULTURAL INSECTICIDE

ORGANOPHOSPHORUS INSECTICIDE

NOT FOR HOME USE

WORK SAFETY RULES

USE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT: (1) Wear waterproof 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. If 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.

AFTER WORK, take off all work clothes and

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.

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ORGANOPHOSPHORUS INSECTICIDE

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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 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.

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 work clothing.

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.

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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 or 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.

DANGER - POISON - PRECAUTIONS ☠



POISONOUS IF SWALLOWED
Even in small amounts!



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



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STOP — READ THE LABEL

POISON
See Side Panels
for Antidote &
Precautions



DANGER
Keep Out of
Reach of
Children

Miller's

PARATHION 25W (25% Parathion)
Spray Powder
AGRICULTURAL INSECTICIDE

ORGANOPHOSPHORUS INSECTICIDE

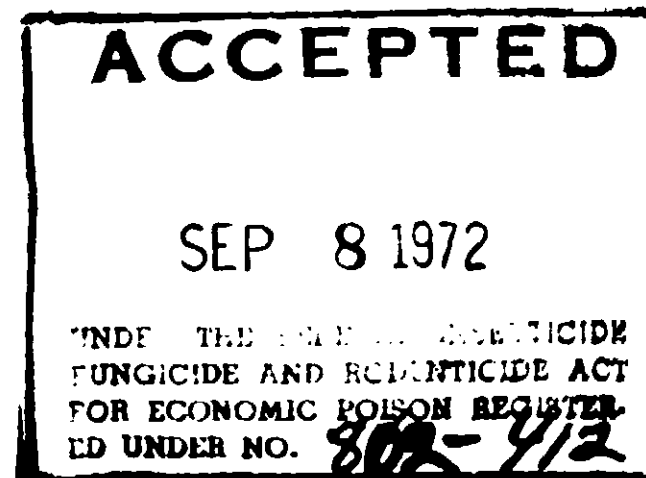
NOT FOR HOME USE

ACTIVE INGREDIENT:
*Parathion 25.0%
INERT INGREDIENTS 75.0%
*O,O-diethyl O-p-nitrophenyl thiophosphate

See side panel for poison precaution symptoms, first aid treatment, information for physician and posting areas.

Read Label Folder for additional use precautions, directions for use, recommendations and container disposal.

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Manufactured for . . .
- MILLER PRODUCTS -
THE CHAS. H. LILLY CO.
Portland, Oregon 97214

STOP — READ THE LABEL



DANGER

Keep Out of Reach of Children

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Miller's

PARATHION 25W (25% Parathion Spray Powder)

AGRICULTURAL INSECTICIDE

PHOSPHORUS INSECTICIDE

NOT FOR HOME USE

INGREDIENT:
hion 25.0%
INGREDIENTS 75.0%
O-p-nitrophenyl thiophosphate

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Manufactured for . . .

- MILLER PRODUCTS -
THE CHAS. H. LILLY CO.
Portland, Oregon 97214

ED
372
INSECTICIDE
ENTICIDE ACT
ON REGISTER
5-4/2

WORK SAFETY RULES

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RESEALABLE POUCH
 ↑ Pull flaps apart to open.
 Press along ridge to close.

LABEL FOLDER
CONTAINS
ALL DIRECTIONS FOR USE

Miller's
PARATHION 25W

(25% Parathion Spray Powder)

Organophosphorus Insecticide

E. P. A. Reg. No. 802-412-AA

POISON
DANGER



NOT FOR
HOME USE

Before Using Read All Precautions
and Directions for Use

In California, Permit for Purchase or
 use required from County Agricultural
 Commissioner.

IMPORTANT

SEE REVERSE SIDE OF FOLDER
CONTAINS SAFETY LABELING
INFORMATION

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

- MILLER PRODUCTS -
THE CHAS. H. LILLY CO.
Portland, Oregon 97214

USE PRECAUTIONS

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

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 conditions favor drift from areas treated.

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 pesticidal residues on food and forage 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 the timing, number and rate of applications needed will vary with local conditions.

CONTAINER DISPOSAL

Destroy Empty Container—Never Re-Use

Rinse Spray equipment and dispose of wastes in a pit on non-crop lands located away from water supplies. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not re-use containers, punch holes in them and bury with wastes. Wear protective clothing noted under "Work Safety Rules" when disposing of containers and wastes.

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.

GENERAL—Wash the required amount of Miller's PARATHION 25W through screen into nearly filled spray tank or pre-mix in a bucket half-filled with water and pour into nearly filled spray tank. Add balance of water to complete mix. Keep agitator running during filling, mixing and spraying operations. Do not combine wettable powders with emulsified liquids in same spray tank unless previous use of the materials being combined has proven them to be compatible.

SUGGESTED WATER RATES FOR AIRCRAFT AND GROUND APPLICATION. (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 conditions.)

Crop	Gal. Water/Acre	
	Aircraft	Ground
Vegetable and Field Crops	1-20	5-125
Orchard, Grapes	5-25	.....
Orchard Crops (See exceptions below)	.....	300-800
Citrus	.....	500-3000
Grapes	.....	100-200
Maximum permissible rate per acre, expressed as Parathion 25W is given in parenthesis (), after each crop claim		

RECOMMENDATIONS

FRUIT AND NUT CROPS

(Also Read DIRECTIONS FOR USE)

Unless otherwise specified, rates are given in terms of PARATHION 25W per 100 gal. of water for thorough coverage application. Unless otherwise specified, apply at the first sign of infestation and repeat at 7 to 10 day intervals as needed to maintain control, but observe use limitations given for specific crops.

APPLES

Codling Moth, European Red Mite, Fruit Tree Leaf Roller, Mealybug, Orange Tortrix, Plum Curculio, Red-banded Leaf Roller (1st, 2nd and 3rd broods), Two-spotted Mite. Use 1 Tb.

Aphids (Russet & Green Apple), Bud Moth, Pacific Mite, Red Bug, Schoenli Mite and Willamette Mite. Use 3/4 Tb.

CAUTION: Injury to fruit and foliage may result from use of this material on McIntosh and related varieties. Do not apply within 14 days of harvest. (24 lbs.)

APRICOTS

Codling Moth, Oriental Fruit Moth, Tortrix. Use 1 to 2-1/4 lb.

Bud Moth, Fruit Tree Leaf Roller, Spider Mites, Aphids. Use 1-1/2 lb.

Do not apply until danger of bee poisoning has passed. Do not apply within 14 days of harvest. (14.4 lbs.)

CHERRIES

Black Cherry Aphid, Eye-spotted Bud Moth, Lesser Apple Worm, Mites, Shot-hole Borer, Western Cherry Fruit Fly. Use 1 Tb.

For Fruit Fly control, begin applications at fly emergence and repeat at 7 day intervals. Do not apply within 14 days of harvest. (8.4 lbs.)

CITRUS

CALIFORNIA RECOMMENDATIONS: Citrus Thrips. Use 6 lbs. in 10 to 20 gal. water when applied by aircraft; 100 to 200 gal. water by ground equipment. Apply at petal fall; repeat in late summer and early fall to protect new growth and prevent fruit scarring.

Citrus Scales. This product is recommended for control of California Citrus Scales. It 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 1.6 lb. Make a full coverage spray during Aug.-Nov. California Red and Yellow Scales. Use 1.2 lbs. alone or with 1-1/2 to 1-3/4 gal. of a light or light medium oil emulsion in a full coverage spray at recommended times. Citricola and Cottony-Cushion Scales. Use 6 lbs. Apply 100 to 400 gal. spray per acre. Purple Scale. Use 1.2 lbs. with 1-1/2 to 1-3/4 gal. of light or light medium oil emulsion in a full coverage spray at recommended times.

Maximum Rate Per Acre and Time Limitations: 16 lbs. - 14 days of harvest. Over 16 lbs. and up to 40 lbs. - 30 days.

In California, the Farm Operator shall not permit workers to enter the treated area to engage in any activity requiring substantial contact with treated foliage until the interval in days noted below has elapsed following last application of Parathion 25W:

- No more than 4 lbs. per acre per year 21 days
- More than 4 lbs. but no more than 10 lbs. per acre per year 30 days
- More than 8 lbs. per acre per application, or more than 10 lbs. per acre per year 45 days

GRAPES

CALIFORNIA RECOMMENDATIONS: Mealy plus 2 gal. dormant oil emulsion per acre. Apply during dormant period. Spray vines after pruning but before California Extension Bulletin for complete directions.

In California, the Farm Operator shall not enter the treated area to engage in any activity requiring substantial contact with treated foliage until 21 days following last application.

NECTARINES, PEACHES

Calligraphy Thrips, Oriental Fruit Moth, Pear Thrips (on Nectarines only), San Jose Scale, Cottony Peach Scale, Fruit Tree Leaf Roller, Aphid, Spider Mites. Use 1-3/4 lbs.

Maximum Rate per Acre and Time Limitation: Calif.: Full coverage spray for control of not apply within 14 days of harvest. Do not apply more than 16 lbs. per acre per application or more than 16 lbs. per year.

California: Do not apply within 21 days of bloom. Do not apply more than once after bloom. Do not apply more than 10 lbs. per acre per application or more than 16 lbs. per acre between Jan. 1st and harvest.

In California, the Farm Operator shall not enter the treated area to engage in any activity requiring substantial contact with treated foliage until 21 days following last application.

PEARS

Codling Moth, Mealy Bug, Pear Leaf Blister Beetle, Pear Psylla, Spider Mites. Use 1 Tb. in pre-blossom spray.

Pear Psylla, Spider Mites. Use 3/4 lb. Make or post-blossom sprays for the Pear Psylla.

Do not apply within 14 days of harvest. (14.4 lbs.)

PLUMS, PRUNES

Aphids, Bud Moth, Leafhopper, Leaf Roller, Spider Mites, Tortrix. Use 1 lb.

Peach Twig Borer. Use 2 lbs.

Do not apply within 14 days of harvest. (16.8 lbs.)

OLIVES

Scales (Parlatoria, Oleander, Black). Use 2 lbs. in 100 gal. oil spray during June or July. Do not apply after harvest.

STRAWBERRIES

Aphids. Use 2 to 3.2 lbs. per acre. Do not apply within 14 days of harvest. (3.2 lbs.) Post-harvest control. Use 4 lbs. per acre. (4 lbs.)

WALNUTS

Aphids, Red Spiders. Use 1 lb. Repeat at 7 days. Do not apply after husks open. (40 lbs.)

VEGETABLE AND FIELD CROPS

(Also Read DIRECTIONS FOR USE)

Unless otherwise indicated, dosages are given in terms of PARATHION 25W per acre in sufficient quantity to provide thorough coverage. Begin applications when insects appear and repeat at 7 to 10 day intervals until control is obtained, but observe use limitations for specific crops.

ALFALFA

Alfalfa Weevil. California: Apply 1 to 1-1/2 lbs. in 20 gal. water per acre. Make applications when insects show feeding damage. Make no applications within 14 days of cutting or forage use. (1-1/2 lbs.)

Areas other than California: Apply 1 to 2 lbs. per acre. (2 lbs.)

RECOMMENDATIONS

FRUIT AND NUT CROPS

DIRECTIONS FOR USE

When applied, rates are given in terms of 100 gal. of water for thorough coverage. Where otherwise specified, apply at the first of the following repeat at 7 to 10 day intervals as needed, but observe use limitations given below.

Apple: Red Mite, Fruit Tree Leaf Roller, Plum Curculio, Pear-shouldered Leaf Miner, Two-spotted Mite. Use 1 lb. per acre.
Apricot: Bud Moth, Pacific Mite, Red Willow Mite. Use 3/4 lb.

Leaf and foliage may result from use of Parathion and related varieties. Do not apply within 21 days of harvest. (24 lbs.)

Cherry: Fruit Moth, Tortrix. Use 1 to 2-1/4 lb.

Plum: Leaf Roller, Spider Mites, Aphids.

Parathion is no longer a danger of bee poisoning has passed. Do not apply within 14 days of harvest. (14.4 lbs.)

Apple: Two-spotted Bud Moth, Lesser Apple Worm, Western Cherry Fruit Fly. Use 1 lb.

Begin applications at fly emergence and repeat as needed. Do not apply within 14 days of harvest.

RECOMMENDATIONS: Citrus Thrips. Use 6 lbs. per acre when applied by aircraft; 100 to 200 gal. per acre. Apply at petal fall; repeat in late spring to protect new growth and prevent fruit drop.

Parathion is the most effective insecticide for control of California Citrus Thrips. It may be used in conventional high-pressure sprayers or boom sprayers and aircraft. Parathion is capable of providing thorough coverage. Use 1.6 lb. Make a full coverage spray with 100 to 200 gal. of a light or light medium coverage spray at recommended times. Use 6 lbs. Apply 100 to 200 gal. of a light or light medium coverage spray at recommended times. Use 1.2 lb. with 1-1/2 gal. of a light or light medium oil emulsion in a full coverage spray at recommended times.

Maximum Rate and Time Limitations: 16 lbs. - 14 days; 16 lbs. and up to 40 lbs. - 30 days.

Operator shall not permit workers to enter the treated area to engage in any activity requiring substantial contact with treated foliage until the interval in days following last application of Parathion has elapsed.

Maximum Rate and Time Limitations: 21 days per acre per year; 30 days per application; 45 days per acre per year.

GRAPES

CALIFORNIA RECOMMENDATIONS: Mealybug. Use 4 lbs. plus 2 gal. dormant oil emulsion per acre. Apply during dormant period. Spray vines after pruning but before budding. Refer to California Extension Bulletin for complete spray program.

In California, the Farm Operator shall not permit workers to enter the treated area to engage in any activity requiring substantial contact with treated foliage until 21 days have elapsed following last application.

NECTARINES, PEACHES

California: Mealybug, Oriental Fruit Moth, Peach Twig Borer, Thrips (on Nectarines Only), San Jose Scale. Use 2 lbs.

Cottontail: Peach Scale, Fruit Tree Leaf Roller, Green Peach Aphid, Spider Mites. Use 1-3/4 lbs.

Maximum Rate per Acre and Time Limitation: 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 16 lbs. per acre per application or more than 20 lbs. 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 10 lbs. per acre per application or more than 20 lbs. per acre between Jan. 1st and harvest.

In California, the Farm Operator shall not permit workers to enter the treated area to engage in any activity requiring substantial contact with treated foliage until 21 days have elapsed following last application.

PEARS

Codling Moth, Mealy Bug, Pear Leaf Blister Mite, Woolly Aphid. Use 1 lb. in pre-blossom spray.

Pear Psylla, Spider Mites. Use 3/4 lb. Make either pre-blossom or post-blossom sprays for the Pear Psylla.

Do not apply within 14 days of harvest. (14.4 lbs.)

PLUMS, PRUNES

Aphids, Bud Moth, Leafhopper, Leaf Roller, Mealy Plum Aphid, Spider Mites, Tortrix. Use 1 lb.

Peach Twig Borer. Use 2 lbs.

Do not apply within 14 days of harvest. (16 lbs.)

OLIVES

Scales (Parlatoria, Oleander, Black). Use 2 lbs. with regular oil spray during June or July. Do not apply after Aug. 1 (36 lbs.)

STRAWBERRIES

Aphids. Use 2 to 3.2 lbs. per acre. Do not apply within 14 days of harvest. (3.2 lbs.) Post-harvest control of Root Weevil. Use 4 lbs. per acre. (4 lbs.)

WALNUTS

Aphids, Red Spiders. Use 1 lb. Repeat at 7 to 10 days for Red Spider. Do not apply after husks open. (40 lbs.)

VEGETABLE AND FIELD CROPS

(Also Read DIRECTIONS FOR USE)

Unless otherwise indicated, dosages are given in pounds of PARATHION 25W per acre in sufficient water to provide thorough coverage. Begin applications when insects first appear and repeat at 7 to 10 day intervals as needed to maintain control, but observe use limitations given for specific crops.

ALFALFA

Alfalfa Weevil, California: Apply 1 to 1-1/2 lbs. per acre in 15 to 20 gal. water per acre. Make application when 75% of terminals show feeding damage. Make no application within 15 days of cutting or forage use. (1-1/2 lbs.)

Areas other than California: Apply 1 to 2 lbs. per acre as specified and limited above. (2 lbs.)

ALFALFA SEED CROPS

Alfalfa Chalcid, Alfalfa Weevil Larvae, Aphids, Armyworms, Blister Beetles, Lygus, Stink Bugs. Areas other than California: Use 1 to 3.2 lbs. California: Use 1-1/2 to 2 lbs.

Use in early morning or late evening to avoid injury to pollinators. Birds and other wildlife in treated areas may be harmed. Do not use Parathion if field is to be cut for hay. (Areas other than Calif. - 3.2 lbs. Calif. - 2 lbs.)

ALFALFA, CLOVER, VETCH

Aphids (including Yellow Clover Aphid), Armyworms, Blister Beetles, Grasshoppers. Apply 1 to 1-1/2 lbs. per acre. Make no application within 15 days of cutting or forage use. (1-1/2 lbs.)

ARTICHOKE

Aphids, Plum Moth. Use 4 lbs. Do not apply within 7 days of harvest. (4 lbs.)

BEANS (Dry and Green)

Aphids, Armyworms, Leafhopper, Leaf Miner, Leaf Roller, Mexican Bean Beetle, Spider Mites, Stinkbugs, White Fly. Use 2 to 3.2 lbs. (2 lbs. - 7 days of harvest; over 2 lbs. up to 3.2 lbs. - 15 days.)

BEETS

Aphids, Blister Beetle, Flea Beetle, Leaf Miner, Webworm. Use 2 to 3.2 lbs. Do not apply within 15 days of harvest; 21 days if treated tops are to be used for food or feed. (3.2 lbs.)

CABBAGE, CAULIFLOWER, BROCCOLI, BRUSSELS SPROUTS, KALE, MUSTARD, TURNIPS

Aphids, Armyworms, Cabbage Looper, Flea Beetle, Diamond Back Moth Larvae, Imported Cabbageworm, Serpentine Leaf Miner, Thrips. Use 2 lbs.

Maximum Rates and Time Limitations: Broccoli, Brussels Sprouts, Cauliflower: 2 lbs. - 7 days; over 2 lbs. up to 6 lbs. - 21 days. Cabbage, Kale, Mustard, Turnips: 1 lb. - 7 days; over 1 lb. up to 2 lbs. - 10 days. (Cabbage only - over 1 lb. up to 6 lbs. - 21 days.)

CARROTS

Aphids: Use 3/4 to 1.3 lbs. per 100 gal. Apply 300 gal. per acre. Do not use treated tops for food or feed. Do not apply within 15 days of harvest. (4 lbs.)

CELERY

Aphids, Celeryworms, Celery Leaf Tier, Leafhoppers, Spider Mites. Use 2 to 4 lbs. (2 lbs. - 21 days of harvest; over 2 lbs. up to 4 lbs. - 30 days.)

CORN

Armyworms. Use 1 lb. European Corn Borer. Use 2 to 4 lbs. Do not apply within 12 days of picking or cutting for forage. (4 lbs.)

COTTON

Aphids, Armyworms (up to 3rd instar), Brown Cotton Leafhopper, Salt Marsh Caterpillar, Southern Garden Leafhopper, Stink Bugs, Spider Mites, Thrips. Use 2 lbs.

Bollworm, Cotton Leaf Perforator, False Chinch Bug, Flea-hopper, Lygus Bugs, Serpentine Leaf Miner, Tobacco Budworm. Use 4 lbs.

Time Limitations: For all uses listed above, do not exceed 4 lbs. per acre. Do not hand pick or harvest within 7 days of last application. Workers entering treated fields within 24 hours of application should wear protective clothing.

CUCUMBER, SQUASH (Summer and Winter), MELONS

Aphids, Cucumber Beetle, Cutworms, Darkling Ground Beetle, Flea Beetle, Leafhopper, Leaf Miner, Melonworm, Pickleworm, Serpentine Leaf Miner, Squash Bug, Spider Mites, Tobacco Mite, Thrips. Use 2 lbs. Do not apply unless plants are dry or before plants start to vine. Do not apply within 15 days of harvest on Cucumber and Squash; 7 days on Melons. (2 lbs.)

EGGPLANT

Aphids, Leaf Miner. Use 3/4 to 1 lb. Thrips. Use 1 lb. Red Spider Mites. Use 1-1/2 lbs. Do not apply within 15 days of harvest. (1-1/2 lbs.)

LETTUCE, ENDIVE

Aphids, Leafhoppers. Use 2 lbs. Do not apply within 7 days of harvest on Head Lettuce; 21 days on Leaf and Bibb Lettuce and on Endive. (2 lbs.)

OKRA

Aphids, Leaf Miner, Stinkbugs. Use 2 lbs. Do not apply within 21 days of harvest. (2 lbs.)

ONIONS

Thrips. Apply 2 to 3.2 lbs. and repeat at weekly intervals as necessary for control. Do not apply within 15 days of harvest. (3.2 lbs.)

PEAS

Aphids, Armyworms, Climbing Cutworms, Pea Weevil, Serpentine Leaf Miner, Thrips. Use 2 lbs. Do not apply within 10 days of harvest. (2 lbs.)

PEPPERS

Aphids, Pepper Maggot, Flea Beetle, Serpentine Leaf Miner, Thrips. Use 2 to 3.2 lbs. Do not apply within 15 days of harvest. (3.2 lbs.)

POTATOES

Aphids, Armyworms, Colorado Potato Beetle, Flea Beetle, Green Stink Bug, Leafhopper, Leaf Miner, Spider Mites. Use 2 to 4 lbs. Do not apply within 5 days of harvest. (4 lbs.)

SMALL GRAINS (Barley, Oats, Wheat)

Aphids, Armyworms, Grasshoppers, Greenbug. Use 1 to 1-1/2 lbs. Do not apply within 15 days of harvest. (1-1/2 lbs.)

SORGHUM

False Chinch Bug, Grasshoppers. Use 1 to 1-1/4 lbs.

Corn Earworm, Sorghum Webworm. Use 1 to 2 lbs.

Sorghum Midge. Use 2 lbs. and make 2 applications 3 to 5 days apart when approximately 90% of the heads have emerged from the boot.

Aphids, Mites. Use 4 lbs.

Do not use within 12 days of harvest or cutting for forage. (4 lbs.)

SPINACH

Aphids, Leaf Miner. Apply 1 to 2 lbs. Do not apply within 14 days of harvest. (2 lbs.)

SUGAR BEETS

Aphids, Armyworms, Blister Beetle, Flea Beetle, Leafhopper, Leaf Miner, Mites, Webworm. Use 2 to 3.2 lbs. Do not apply within 15 days of harvest. (3.2 lbs.)

TOMATOES

Aphids, Flea Beetle, Leafhopper, Serpentine Leaf Miner, Spider Mites, Stinkbugs, Tomato Pinworm. Use 3 to 4 lbs. Do not apply within 10 days of harvest. (4 lbs.)