



# PARATHION 15-WP

EPA No. 476-230  
ARC 710920

## POISON PRECAUTIONS

### WORK SAFETY RULES

USE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT:

Wear water-proof pants, coat, hat, rubber boots or rubber overshoes.

Wear safety goggles, mask or respirator approved by the Bureau of Mines for parathion protection.

Wear heavy duty natural rubber gloves.

Do not rub eyes or mouth with hands. Do not smoke. Important! 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. Get 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.

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



### 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.



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

### FISH AND WILDLIFE PRECAUTIONS

Toxic to fish and wildlife. Birds and other wildlife in treated areas may be killed. Keep out of any body of water. Do not apply when weather conditions favor drift from treated areas. Do not apply where run-off is likely to occur.

### DISPOSAL

**RINSE SPRAY EQUIPMENT.** Bury liquid waste and empty can in a safe place located away from water supply.

**NOTE:** 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.

Made in U.S.A.  
Stauffer Chemical Company, New York, N. Y. 10017



# PARATHION 15-WP

Organophosphorus Insecticide  
For Use In Water

## LABEL FOLDER

### CONTENTS—USE PRECAUTIONS

DIRECTIONS FOR USE

RECOMMENDATIONS



### POISON — DANGER

Before using read all Precautions  
and Directions For Use.

### NOT FOR HOME USE

EPA REG. NO. 476-230

ARC-710920

### USE PRECAUTIONS

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

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

**STAUFFER CHEMICAL COMPANY**  
NEW YORK, N. Y. 10017

### DIRECTIONS FOR USE

Application can be made by aircraft or ground power equipment by trained personnel only using approved protective equipment. Measure the specified amount of this product then wash through filter screen in nearly filled spray tank or pre-mix in a bucket, before pouring into spray tank. Add balance of water to fill tank. Keep agitator running during filling and spraying operations. Do not allow mixture to stand. Do not use in low volume gear-type spray equipment. Do not apply with hand equipment. Do not combine with emulsifiable liquids unless previous use of the mixture has proven physically compatible and safe to plants.

**Maximum permissible rate per acre**, expressed as Parathion 15-WP, is given in parenthesis ( ), after each crop claim.

### RECOMMENDATIONS

#### FRUIT CROPS

(Also Read Directions for Use)

Unless otherwise specified rates are given in terms of Parathion 15-WP per 100 gal. of water for thorough coverage application. Unless otherwise specified, apply at the first sign of infestation and repeat at 7-10 day intervals as needed to maintain control. For codling moth, Oriental fruit moth and plum curculio control, apply at petal fall and every 10-14 days thereafter until control is achieved. Observe use limitations given for specific crops.

#### APPLES

Aphids (green apple, woolly apple), bud moth, mites, red bug, red-banded leaf roller (1 1/2 lb.). Use 1 lb.

Codling moth, plum curculio, red-banded leaf roller (1 1/2 lb. and 3rd brood), scales, woolly apple aphid. Use 1 3/4 lb.

#### CAUTION:

**DO NOT** apply within 14 days of harvest.

**DO NOT** use on Golden Delicious, Jonathan, McIntosh and related varieties. (40 lb.)

#### CHERRIES

Aphids, mites. Use 3/4-1 lb.

Bud moth, cankerworm, cherry fruitworm, Oriental fruit worm, plum curculio, San Jose scale (for color change), tortrix. Use 1 3/4 lb.

Do not apply within 14 days of harvest. (14 lb.)

#### CITRUS — (Florida):

Mealybugs, scales (cottony cushion, Florida red, purple). Use 1-2 lb. Make full coverage sprays.

#### Max. Rate/Acre and Use Limitations:

26 lb. - 14 days of harvest

Over 26 to 66 lb. - 30 days of harvest

#### PEACHES

(Areas Other than California)

Aphids, cottony peach scale, spider mites. Use 1 lb. Cat-facing insects, Oriental fruit moth, plum curculio, scales (for Lecanium scale, apply after all eggs have hatched). Use 1-2 lb.

Do not apply within 14 days of harvest. Do not apply more than 26 2/3 lb. per acre per application or more than 100 lb. per acre per year.

### VEGETABLE AND FIELD CROPS

(ALSO READ DIRECTIONS FOR USE)

Unless otherwise indicated, dosages are given in pounds of Parathion 15-WP 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. Observe use limitations given for specific crops.

#### BEANS (Dry and Green)

Aphids, armyworms, leafhoppers, Mexican bean beetle, spider mites. Use 1 lb.

#### Max. Rate/Acre and Use Limitations:

3 1/2 lb. - 7 days of harvest

Over 3 1/2 lb. to 5 1/2 lb. - 15 days of harvest

#### COLE CROPS

(Broccoli, Brussels sprouts, Cabbage, Cauliflower)

Aphids, thrips. Use 1 lb.

Armyworms, diamond-back larvae, imported cabbageworm. Use 1 3/4 lb.

#### Max. Rate/Acre and Use Limitations:

Broccoli, Brussels sprouts, Cauliflower:

3 1/2 lb. - 7 days; over 3 1/2 lb. to 10 lb. - 21 days

#### Cabbage:

1 3/2 lb. - 7 days; over 1 3/2 lb. to 3 1/2 lb. - 10 days; over 3 1/2 lb. to 10 lb. - 21 days.

#### CUCURBITS

(Cucumber, melons, squash)

Aphids, cucumber beetle, melonworm, pickleworm, stink-bugs, vine borer. Use 2 lb. Do not apply before plants start to vine. Do not apply unless plants are dry. Do not apply within 15 days of harvest on cucumber and squash; 7 days of harvest on melons (3 1/2 lb.)

#### ONIONS

Thrips. Apply 2 lb. and repeat at weekly intervals as necessary for control. Do not apply within 15 days of harvest (5 1/2 lb.)

#### POTATOES

Aphids, Colorado potato beetle, flea beetle, grasshopper, leafhopper, serpentine leaf miner, whiteflies. Use 1 lb. (Combine with standard fungicide.)

Armyworms. Use 1 3/4 lb.

Do not apply within 5 days of harvest (6 2/3 lb.)

#### TOBACCO

Plant Bed:

Use 2 ounces in sufficient water to treat 100 sq. ft. of bed.

#### Field Application:

Aphids, suckfly. Use 1 lb.

Do not apply within 5 days of pruning or within 15 days of cutting. Wear rubber gloves and protective clothing when cutting. **DO NOT** get skin or clothing wet with plant juices when cutting. (9 1/2 lb.)

#### TOMATOES

Aphids, flea beetle, grasshopper, leafhopper, serpentine leaf miner, whiteflies. Use 1 lb. (Combine with standard fungicide.)

Armyworms. Use 1 3/4 lb.

Do not apply within 10 days of harvest (4 1/2 lb.)

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*This top part is  
first heat-sealed,  
folded over a number of  
times then again sealed.*

EXPLANATION:

The actual plain bags used for application of the 2-panel paste-on labels did not arrive from the plant in time.

Rather than delay the submission a printed Parathion 25-WP, 5 lb. bag is used to demonstrate the application of the front and back panel labels.

The actual bag used for packing Parathion 15-WP has narrower dimensions, namely, approximately 5 inches in width by about 10 inches or so in length.



NOT FOR HOME USE

# PARATHION

Wettable Powder For Use In Water

Active Ingredient: Parathion  
0,0 diethyl 0 p nitrophenyl phosphorothioate 15%  
Inert Ingredients 85%

## 15WP

**POISON**  
STOP READ  
LABEL.



**DANGER**  
Keep Out of Reach  
of Children



CONTINUED FROM OTHER SIDE

**CARROTS**—Aphids. Use 2 lb. per 100 gal water. Apply 300 gal per acre. Do not apply within 15 days of harvest. Do not use treated carrot tops for food or feed. (4.0 lb.)

**COLE CROPS (BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER, KALE, MUSTARD, TURNIPS)**—Aphids, army worm, cabbage looper, flea beetle, diamondback moth larvae, imported cabbage worm, serpentine leaf miner, thrips. Use 2 lb. Do not apply within 7 days of harvest on broccoli, brussels sprouts and cauliflower, 10 days of harvest on cabbage, kale, mustard and turnips. (2.0 lb.)

**CELERY**—Aphids, celeryworms, celery leaf tier, leafhoppers, spider mites. Use 2 lb. Do not apply within 21 days of harvest. (2.0 lb.)

**CUCURBITS (CUCUMBER, SQUASH, MELONS)**—Aphids, cu

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Active Ingredient: Parathion  
 O,O diethyl O-p-nitrophenyl phosphorothioate 15%  
 Inert Ingredients: 85%

**ISWP**

**POISON**  
 STOP READ  
 LABEL.



**DANGER**  
 Keep Out of Reach  
 of Children

EPA Reg. No. 476-230

ARC 10428

**POISONOUS IF SWALLOWED, INHALED OR BY CONTACT  
 WITH SKIN OR EYES.**

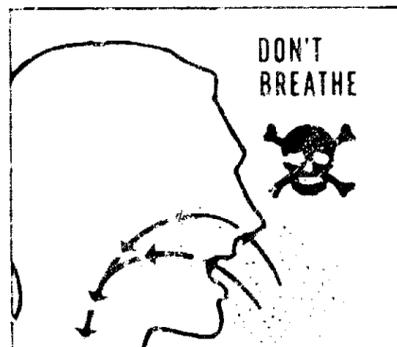
**RAPIDLY ABSORBED THROUGH SKIN AND EYES.**

**DO NOT TOUCH OR BREATHE DUST, VAPOR OR SPRAY.**



**POISONOUS BY SKIN CONTACT**

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



**POISONOUS IF BREATHED**

Poisonous if dust, vapors, or mist from spray are breathed. Vapors can not be seen. Never work with parathion or in parathion treated areas without protective clothing and equipment.

SEE LABEL FOLDER FOR PRECAUTIONS, DIRECTIONS FOR USE AND RECOMMENDATIONS.

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**STAUFFER CHEMICAL COMPANY**  
 NEW YORK, NY 10017

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**APPLES**

ONE CROPS: BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER, KALE, MUSHROOMS, TURNIPS

**CELERY**

**LUCURBITS (CUCUMBER, SQUASH, MELONS)**—Aphids, cucumber beetle, cutworm, leafhopper, ground beetle, leaf beetle, leafhopper, leaf miner, spider mites, pickle worm, serpentine leaf miner, squash bug, spider mites, tobacco beetle. Use 2 lb. Make no application before plants start to grow. Within 15 days of harvest. (2.0 lb.)

**CORN**—European corn borer. Use 1 lb. Anywhere else. Do not apply within 12 days of picking cuttings or forage.

**LETTUCE**—Aphids, leafhoppers. Use 2 lb. Do not apply within 7 days of harvest on head lettuce; 15 days on leaf and stem lettuce. (2.0 lb.)

**ONIONS**—Thrips. Use 2 lb. and repeat at weekly intervals as necessary. Do not apply within 15 days of harvest. (3.2 lb.)

**PEPPER**—Aphid, pepper maggot, flea beetle, serpentine leaf miner, thrips. Use 1-2 lb. Do not apply within 15 days of harvest. (3.2 lb.)

**PEAS**—Aphids, pea weevil, serpentine leaf miner, thrips. Use 1 lb. Do not apply within 30 days of harvest. (2.0 lb.)

**POTATOES**—Aphids, Colorado potato beetle, flea beetle, leafhoppers, leaf miner, spider mites. Use 2 lb. Do not apply within 5 days of harvest. (4.0 lb.)

**SPINACH**—Aphids, leaf miner. Apply 1-2 lb. Do not apply within 14 days of harvest. (2.0 lb.)

**LEGUMES, SMALL GRAINS (ALFALFA, CLOVER, VETCH, BARLEY, OATS, WHEAT)**—Aphids, armyworms, blister beetles, grasshoppers. Apply 1 lb. at first sign of infestation. Make no application within 15 days of cutting or forage use or harvesting of grains. (Alfalfa, Vetch—3.2 lb.; Clover, Barley, Oats, Wheat—6.0 lb.)

**NOTICE: Stauffer Chemical Company makes no warranty, 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.**

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## POISON PRECAUTIONS

### WORK SAFETY RULES

USE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT:

Wear waterproof pants, wet, nat. rubber boots or rubber overshoes.

Wear safety goggles, mask or respirator approved by the Bureau of Mines for parathion protection.

Wear heavy duty natural rubber gloves.

Do not rub eyes or mouth with hands. Do not smoke. Important! 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.

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



### POISON SIGNS (Symptoms)

Parathion is a very dangerous poison. It rapidly enters the body on contact with all skin surfaces, eye, 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.



### 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.

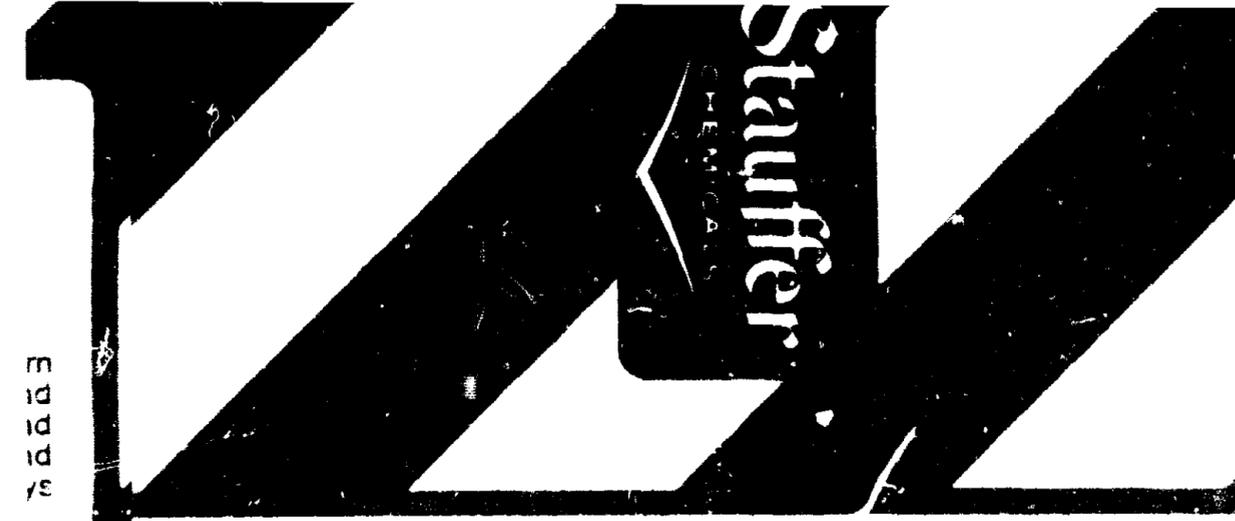
**IN CASE OF SKIN CONTACT**, immediately remove wet clothing and shoes and flush skin with water for at least 15 minutes.

**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.



### CONTINUED FROM BACK PANEL

Do not apply within 14 days of harvest. Do not apply dosages of more than 16 lbs. per acre application within 30 days of harvest. Avoid use of citrus peel for food purposes. (40.0 lb.)

**GRAPES (California)**—Grape mealybug—Apply 2 lb. per 100 gals. Use 300 gals. of spray per acre. Apply in late June or early July. Do not apply within 14 days of harvest. Do not apply more than 6 lbs. per acre application after fruit is the size of buckshot. (10.0 lb.)

**NECTARINES, PEACHES**—Plum curculio, Oriental fruit moth, San Jose scale, catfacing insects. Use 1 lb. Peach twig borer. Use 2 lb. Fruit tree leaf roller, cottony peach scale, green peach aphid, spider mites. Use 1/2-3/4 lb. 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 5 lb. actual parathion per acre per year. (20 lb.) California: Do not apply within 21 days of harvest. Do not apply more than once after bloom. Do not apply more than 5 lb. actual parathion per acre between Jan. 1 and harvest. (20 lb.)

**OLIVE**—For control of parlatoria, oleander and black scales, use 2 lbs., or 1 lb. with regular oil spray during June or July. No applications after August 1. (44.0 lb.)

**PEAR**—For control of pear blister mite, use 1 lb. in pre-blossom spray. For pear psylla, use 3/4 lb. either in pre-blossom or post-blossom sprays. Use dosages listed under apple for control of codling moth, mealybug, woolly aphid and certain spider mites. Under some conditions, injury may occur on Bosc pears in the Northeast. Do not apply within 14 days of harvest. (14.4 lb.)

**PRUNE AND PLUM**—For control of plum curculio, use 1 1/2 lbs. For control of bud moth, mealy plum louse, tortrix, leaf roller, leafhoppers, aphids and spider mites, use 3/4 lb. Do not apply within 14 days of harvest. (16.0 lb.)

**STRAWBERRY**—Aphids, leaf roller and spider mites—1/2 to 1 lb. Repeat at 7 to 10 day intervals or as needed for spider mite control. Do not apply within 14 days of harvest. (3.2 lb.)

**WALNUT**—For control of aphids and red spider, use 1 lb. per acre. Repeat at 7 to 10 days for red spider. Do not apply after husks open. (40.0 lb.)

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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.

### FISH AND WILDLIFE PRECAUTIONS

Toxic to fish and wildlife. Birds and other wildlife in treated areas may be killed. Keep out of any body of water. Do not apply when weather conditions favor drift from treated areas. Do not apply where run-off is likely to occur.

### DISPOSAL

**RINSE SPRAY EQUIPMENT.** Bury liquid waste and empty bag in a safe place located away from water supplies.

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**OLIVE**—For control of parlatoria, oleander and black scales, use 2 lbs., or 1 lb. with regular oil spray during June or July. No applications after August 1. (44.0 lb.)

**PEAR**—For control of pear blister mite, use 1 lb. in pre-blossom spray. For pear psylla, use 3/4 lb. either in pre-blossom or post-blossom sprays. Use dosages listed under apple for control of codling moth, mealybug, woolly aphid and certain spider mites. Under some conditions, injury may occur on Bosc pears in the Northeast. Do not apply within 14 days of harvest. (14.4 lb.)

**PRUNE AND PLUM**—For control of plum curculio, use 1 1/2 lbs. For control of bud moth, mealy plum louse, tortrix, leaf roller, leafhoppers, aphids and spider mites, use 3/4-1 lb. Do not apply within 14 days of harvest. (16.0 lb.)

**STRAWBERRY**—Aphids, leaf roller and spider mites—3/4 to 1 lb. Repeat at 7 to 10 day intervals or as needed for spider mite control. Do not apply within 14 days of harvest. (3.2 lb.)

**WALNUT**—For control of aphids and red spider, use 1 lb. per acre. Repeat at 7 to 10 days for red spider. Do not apply after husks open. (40.0 lb.)

### VEGETABLE AND FIELD CROPS

**BEANS**—For control of Mexican bean beetle, leafhopper, aphids, red spider mite, armyworm, leaf roller, and leaf miner, use 1-2 lb. Repeat applications at 7-10 day intervals until controlled. Do not apply within 15 days of harvest. (3.2 lb.)

**BEETS (TABLE, SUGAR)**—Aphids, blister beetle, flea beetle, leafhopper, leaf miner, webworm. Use 1 lb. Do not apply within 15 days of harvest, or 21 days if treated tops are to be used for food or feed. (3.2 lb.)

### CONTINUED ON OTHER SIDE