

11656-62 PM12 175

# RESTRICTED USE PESTICIDE

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's Certification.

## Parathion 25 Wettable

<b>ACTIVE INGREDIENT</b>		By Wt.
Parathion*	.....	25%
<b>INERT INGREDIENTS</b>	.....	75%
*O,O-diethyl O-p-nitrophenyl thiofosphate	<b>TOTAL</b>	<b>100%</b>

**KEEP OUT OF REACH OF CHILDREN**

**DANGER  
PELIGRO**



**POISON**

ACCEPTED

SEP 4 1985

11656-62

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

**NOT FOR HOME USE**

### FIRST AID TREATMENT STATEMENT OF PRACTICAL TREATMENT

Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to Parathion and describe his condition. If doctor cannot come take victim to clinic or hospital.

Move victim immediately from area where Parathion is present.

IF INHALED remove victim to fresh air. If not breathing immediately give artificial respiration preferably mouth-to-mouth and maintain until doctor sees victim. If breathing is difficult give oxygen.

IF IN EYES OR ON SKIN, immediately flush with plenty of water for at least 15 minutes while removing contaminated personal clothing and shoes to avoid continued possible exposure to victim or persons in attendance.

IF SWALLOWED, induce vomiting immediately by giving two glasses of water and by touching back of throat with finger. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Have victim lie down and keep quiet.

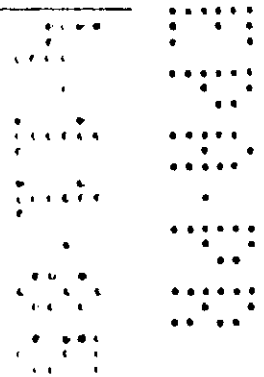
SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.  
SEE SUPPLEMENT FOR USE DIRECTIONS.

NET WEIGHT \_\_\_\_\_ lbs

EPA Reg. No. 11656-62  
EPA EST. No. 11656-CA-2

**WESTERN FARM SERVICE, INC.**

3075 Citrus Circle  
Walnut Creek, CA 94598



### PRECAUTIONARY STATEMENTS

#### Hazards to Humans and Domestic Animals

Keep out of reach of children.

#### DANGER! PELIGRO!

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POISONOUS IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN.

RAPIDLY ABSORBED THROUGH SKIN.

REPEATED EXPOSURE MAY, WITHOUT SYMPTOMS, BE INCREASINGLY HAZARDOUS.

Do not breathe vapors or spray mist.

Do not get in eyes, on skin or on clothing.



#### POISON SIGNS (Symptoms)

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

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



#### POISON



ATROPINE IS AN ANTIDOTE. CONSULT PHYSICIAN FOR EMERGENCY SUPPLY.

CALL A PHYSICIAN AT ONCE IN ALL CASES OF SUSPECTED PARATHION POISONING.

If symptoms or signs of poisoning include blurred vision, abdominal cramps, and tightness in the chest, do not wait for a doctor but give two atropine tablets (each 1/100 gram or 0.65 milligrams) at once. (One tablet to children under five years of age.)

#### FIRST AID TREATMENT

##### "STATEMENT OF PRACTICAL TREATMENT"

Call a doctor (physician, clinic or hospital immediately). Explain that the victim has been exposed to parathion and describe his condition. If doctor cannot come, take victim to clinic or hospital.

Move patient immediately from the area where parathion is present.

IF INHALED, remove victim to fresh air. If not breathing, immediately give artificial respiration, preferably mouth-to-mouth, and maintain until doctor sees victim. If breathing is difficult, give oxygen.

IF IN EYES OR ON SKIN, immediately flush with plenty of water for at least 15 minutes while removing contaminated personal clothing and shoes to avoid continued possible exposure to victim or persons in attendance.

IF SWALLOWED, induce vomiting immediately by giving two glasses of water and by touching back of throat with finger. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Have victim lie down and keep quiet.

#### NOTE TO PHYSICIAN

Antidote — administer atropine sulfate in large doses. TWO TO FOUR mg intravenously or intramuscularly as soon as cyanosis is overcome. Repeat at 5 to 10 minute intervals until signs of atropinization appear. 2-PAM chloride is a pharmacologic antidote and may be administered as an adjunct to, but not a substitute for atropine which is a symptomatic and often life

saving antidote. DO NOT GIVE MORPHINE OR TRANQUILIZERS BECAUSE THESE ANTIDOTES MAY PRODUCE ADVERSE EFFECTS ACCENTUATING THE PHARMACOLOGIC EFFECT OF THIS PRODUCT. This product is a strong cholinesterase inhibitor affecting the central and peripheral nervous systems and producing cardiac and respiratory depression. At first sign 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 improvements. VERY CLOSE SUPERVISION OF THE PATIENT IS INDICATED FOR AT LEAST 48 HOURS.

#### WORK SAFETY RULES

REPEATED EXPOSURES TO CHOLINESTERASE INHIBITORS SUCH AS ARE CONTAINED IN THIS PRODUCT MAY, WITHOUT WARNING, CAUSE PROLONGED SUSCEPTIBILITY TO VERY SMALL DOSES OF ANY CHOLINESTERASE INHIBITOR.

Persons working with this product should have frequent blood tests of their cholinesterase levels. If the cholinesterase level falls below a critical point, no further exposure should be allowed until it has been determined by means of blood tests that the cholinesterase level has returned to normal. Before using this product, consult the State Agriculture Extension Service or Experimental Station for specific recommendations regarding such blood tests.

If handled indoors, provide mechanical exhaust ventilation.

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

Do not rub eyes or mouth with hands. If you feel sick in any way STOP work and get help right away. See First Aid (Practical Treatment) section.

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

(1) Wear water proof pants, coat, hat, rubber boots or rubber overshoes (2) Wear safety goggles (3) Wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and the National Institute for Occupational Safety and Health under the provisions of 30 CFR part 11 (4) Wear heavy duty natural rubber gloves.

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

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

#### DIRECTIONS FOR USE

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

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

#### Reentry Statement

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Do not enter treated areas for 48 hours unless appropriate protective clothing is worn.

Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product.

ORAL WARNINGS shall inform workers of areas or fields that may not be entered, without protective equipment and clothing specified on this label, during treatment or for 48 hours following treatment. Follow First Aid Treatment instructions shown on this label in case of accidental exposure.

When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers.

WRITTEN WARNINGS must include the following information.

DANGER-Area treated with parathion on \_\_\_\_\_ (date)

Do not enter without appropriate protective clothing for 48 hours. Follow First Aid Treatment instructions shown on this product label in case of accidental exposure.

#### ATTENTION

To avoid excessive residues of parathion on food or forage crops always observe the statements found under "Directions for Use" warning the time before harvest when parathion may be applied.

Because this material is poisonous by skin contact, inhalation or swallowing it should not be used in such a manner or under weather conditions as will permit drift of the spray onto areas not intended to be sprayed. Do not apply or allow drift to areas occupied by unprotected humans or beneficial animals.

#### Environmental Hazard

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

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.

#### Physical or Chemical Hazard

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

In case of:

FIRE use water spray, foam, dry chemical or CO<sub>2</sub>. SPILL or LEAK keep all unprotected persons away. Cover with absorbent such as soda ash, lime, clay or saw dust. Sweep up and bury. Wash area thoroughly with strong lye solution.

#### Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal.

##### STORAGE AND HANDLING

1. Handle container carefully so as to avoid damage and prevent leakage.
2. Do not use or store in or around the home.
3. Store container in a well ventilated place.
4. Empty container retains vapor and product residue. Observe all label safeguards until container is cleaned, reconditioned or destroyed.
5. Keep out of reach of children and domestic animals.

##### DISPOSAL

Wastes of this pesticide are acutely hazardous. Improper disposal of excess pesticide, spray mixtures, or rinsate is a violation of Federal law. If these wastes cannot be disposed of according to label use instructions, contact your state pesticide or Environmental Control Agency, or the Hazardous Waste Representative of the nearest EPA Regional Office for guidance.

Completely empty bag into application equipment. Do not re-use container. Dispose of empty bag in a sanitary landfill or by incineration, or as allowed by State and local authorities, by burning. If by fire, stay out of smoke.

**SUPPLEMENTAL LABEL**

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**Parathion 25 Wettable**

<b>ACTIVE INGREDIENT</b>		<b>By Wt.</b>	
Parathion*	.....	25%	
<b>INERT INGREDIENTS</b>	.....	75%	
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**DANGER  
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**POISON ACCEPTED**

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STATEMENT OF PRACTICAL TREATMENT**

Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to Parathion and describe his condition. If doctor cannot come take victim to clinic or hospital.

Move victim immediately from area where Parathion is present

IF INHALED remove victim to fresh air. If not breathing immediately give artificial respiration preferably mouth-to-mouth and maintain until doctor sees victim. If breathing is difficult give oxygen

IF IN EYES OR ON SKIN, immediately flush with plenty of water for at least 15 minutes while removing contaminated personal clothing and shoes to avoid continued possible exposure to victim or persons in attendance

IF SWALLOWED, induce vomiting immediately by giving two glasses of water and by touching back of throat with finger. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Have victim lie down and keep quiet

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

EPA Reg. No. 11656-62  
EPA EST. No. 11656-CA-2

**WESTERN FARM SERVICE, INC.**

3075 Citrus Circle  
Walnut Creek, CA 94598

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

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Do not breathe vapors or spray mist

Do not get in eyes, on skin or on clothing

**POISON SIGNS (Symptoms)**

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

Some of the signs and symptoms of poisoning are: headaches, nausea, vomiting, cramps, weakness, blurred vision, pin-point pupils, tightness in chest, dizziness, breathing nervousness, sweating, watery eyes, drooping or twitching of mouth and nose, convulsions and coma.

**POISON**

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CONSULT PHYSICIAN FOR  
EMERGENCY SUPPLY.**

CALL A PHYSICIAN AT ONCE IN ALL CASES OF SUSPECTED PARATHION POISONING

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**NOTE TO PHYSICIAN**

Antidote: administer atropine sulfate in large doses 2-6 to 4-8 mg intravenously or intramuscularly as soon as convulsions overcome. Repeat at 5 to 10 minute intervals until signs of atropinization appear. 2-PAM chloride is a pharmacologic antidote and may be administered as an adjunct to, but not a substitute for, atropine which is a symptomatic and often life

...ing animals DO NOT I...  
...QUALIZERS BECAUSE...  
...DUCE ADVERSE EFFECTS...  
...MACROBIC EFFECT OF...  
...ect is a strong cholinergic...  
...control and peripheral...  
...ing cardiac and respirator...  
...of pulmonary edema, the...  
...supplemental oxygen, and...  
...Continued absorption of...  
...total release from human...  
...prevention VERY...  
...PATIENT IS INDICATED FOR

**WORK SAFE**

REPEATED EXPOSURES TO...  
...HIBITORS SUCH AS AIRE...  
...MAY WITHOUT WARNING...  
...CEPTIBILITY TO...  
...ESTERASE INHIBITOR

Persons working with this pr...  
...blood tests or where there...  
...cholinesterase level tests...  
...further exposure should be...  
...determined by means of...  
...cholinesterase level has returned...  
...this product, consult the S...  
...Service or Experimental Sta...  
...memorandum regarding such...  
...If handled indoors, provide...  
...tion

Keep all unprotected person...  
...treated area or where there...  
...Do not rub eyes or mouth...  
...in any way STOP work and...  
...First Aid (Practical Treatment...  
...USE ONLY WHEN WEAR...  
...PROTECTIVE EQUIPMENT

(1) Wear water proof pants...  
...rubber overshoes (2) Wear...  
...pesticide respirator properly...  
...for protection and Safety Admin...  
...Bureau of Mines) and the...  
...National Safety and Health...  
...30 CFR part 11 (4) Wear...  
...gloves

IMPORTANT! Before removing...  
...soap and water. Always w...  
...with soap and water b...  
...drinking  
AFTER WORK take off al...  
...Shower using soap and...  
...clothing when leaving job...  
...clothing. Wash protective...  
...equipment with soap and...  
...water should be cleaned...  
...ing to INSTRUCTIONS SEC

**DIRECTIONS**

It is a violation of Federal law...  
...manner (consistent with its...  
...READ THE LABEL, USE IT...  
...WITH PRECAUTIONARY STATE...  
...AND WITH APPLICABLE STA...  
...ULATIONS

**Reentry St**

Do not apply this product...  
...directly or through drift exp...  
...persons. The area being treated...  
...protected persons

Do not enter treated areas...  
...appropriate protective clothing...  
...Because certain states may...  
...entry intervals for various cre...  
...uct, consult your State Dep...  
...further information

Written or oral warnings must...  
...are expected to be in a tre...  
...about to be treated with this...  
...ORAL WARNINGS shall include...  
...fields that may not be...  
...equipment and clothing ap...  
...ing treatment or for 48...  
...Follow First Aid Treatment...  
...this label in case of accide

Application should be made only by experienced personnel using approved safety equipment. Measure the specified amount of this product then wash through finer screen in neatly 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 the plants.

## Recommendations

Unless otherwise specified rates are given in terms of WFS PARATHION 25 Wettable per 100 gallons of water for fruits and nuts. Make full coverage spray for scale insect control. For control of codling moth, apple maggot, oriental fruit moth, or plum curculio apply at petal fall and every 10 to 14 days thereafter until control is achieved. For shothole borer apply at or following petal fall. Repeat in late summer.

## Fruits and Nuts

**ALMONDS:** Oriental fruit moth, ten caterpillar — 1 1/2 to 2 lbs. Peach twig borers, scale insects (dormant application only) — use 2 lbs. per 100 gallons + 2 1/2 gallons dormant emulsive per 100 gallons. Apply as a full coverage spray.

**APPLES:** Codling moth, orange tortrix, plum curculio, scales (including forbes, San Jose, scurty) — 1 to 1 1/2 lbs. For scales, apply when crawlers are present. Consult State Agricultural Experiment Stations for mixing oil for additional scale control. Mealybugs — 1 to 2 lbs. Apple red bugs, eyespotted bud moth, fruittree leafroller and mites (clover, pacific spider, schoene spider, Willamette) — 3/5 to 1 lb. For eye-spotted bud moth apply during prebloom if control is not achieved by a regular spray program. Two-spotted spider mite — 3/5 to 1 1/2 lbs. Aphids — 3/5 to 1 1/2 lbs. Apply during pre-pink stage, pink stage, petal fall or when insects appear. Repeat at 10 to 14 day intervals or as needed. This product may injure the fruit and foliage of Golden Delicious, Johnathan and McIntosh apples, as well as related varieties such as Cortland, Kendall, Macoun and Melba. Do not apply within 14 days of harvest.

**APRICOTS:** Codling moth, oriental fruit moth, tortrix moths — 1 to 2 lbs. Peach twig borer, two-spotted spider mites — 2 lbs. Peach twig borer, two-spotted mites, mealybugs, European red mites, black scales, European fruit lecanium scale — 2 lbs. For scales, two gallons of dormant oil may be added to the spray mixture. Then follow directions on oil label. Spider mites, fruittree leafrollers — 3/5 to 1 1/2 lbs. Aphids (including mealy plum aphid), eyespotted bud moths — 3/4 to 1 1/2 lbs. Do not apply within 14 days of harvest. Do not apply until danger of bee poison has passed.

**CHERRIES:** Spider mites (clover mites, European red mites, two-spotted spider mites), black cherry aphid — 1/2 to 1 lbs. leafroller (fruittree leafrollers), orange tortrix moth, lecanium scale, oriental fruit moth, plum curculio — 1 lb. For fruittree leafroller apply at petal fall or shuck split. San Jose scale — 1 lb. Apply after crawlers emerge. Shothole borer — 3/4 to 1 lb. Fruit flies (cherry fruit fly, western cherry fruit fly) — 1 to 1 1/2 lbs. Apply at petal fall and repeat at 10 to 14-day intervals beginning at shuck split, or apply at fly emergence and repeat at 7 to 10-day intervals. For additional control apply during postharvest period. Treat interplanted trees, and following harvest, treat all unpicked fruit and pollinizers. Repeat immediately after every rain. Eyespotted bud moth, cherry fruitworm — 1 to 1 1/2 lbs. Scales — 2 lbs. (dormant application only). Combine 2 1/2 to 3 gallons of dormant oil with spray mixture. Do not apply within 14 days of harvest.

**CITRUS:** Mealybugs, orange tortrix — 1 to 1 1/2 lbs. Do not apply within 14 days of harvest.

**CITRUS (California):** California red scale, yellow scale — 2/3 to 1 1/2 lbs. Black scale, purple scale — 1 1/2 lbs. 1 1/2 to 1 3/4 gallons of light or light medium emulsive oil may be added to the spray mixture for control of the

2 lb. Redbanded leafroller — 4 lbs. Mites (including spider mites, two-spotted spider mites) — 2 to 4 lbs. Grape mealybug — 2 lbs. Combine 2 gallons of dormant oil emulsion with spray mixture and apply during dormant period or before fruit is the size of buckshot or after harvest. Do not apply within 14 days of harvest. In California workers are not to enter treated areas for any activity requiring substantial contact with treated foliage for 21 days after being applied.

**NECTARINES:** Mites — 1 lb. Aphids — 3/4 to 2 lbs. Cottony peach scale — 1 to 1-2/3 lbs. Leafrollers (including fruittree leafroller and redbanded leafroller), oriental fruit moth, thrips — 1 to 2 lbs. For thrips apply from 25% bloom through petal fall at 5 to 6-day intervals. Plum curculio — 1 to 1 1/2 lbs. Scales — 1 to 1 1/2 lbs. The higher dosage may be combined with 2 1/2 to 3 gallons of dormant oil. Then follow directions on the oil label. Cottonycushion scale (crawlers) — 1 1/2 to 1 3/4 lbs. San Jose scale, olive scale (Parlatoria) — 1 1/2 to 2 lbs. For the above scales, consult State Agricultural Experiment Stations for information on the addition of oil for better scale control. European bud moth, pandemis moth, peach twig borer, stink bugs and tarnished plant bugs — 2 lbs. Do not apply within 14 days of harvest. Do not apply more than 5.0 lbs. actual parathion per year. In California do not apply within 21 days of harvest. Do not apply more than 5.0 lbs. actual parathion per acre between January 1st and harvest. Workers are not to enter treated area to engage in substantial contact with the treated foliage for 21 days after application.

**OLIVES:** Black scale, oleander scale, olive scale (parlatoria) — 1 to 2 lbs. Apply from postbloom stage to late June for oleander scale and parlatoria scale, and in late July for black scale. Combine 1 1/2 gallons of light medium summer oil emulsion with the spray mixture. Do not apply after August 1st.

**PEARS:** Note: Injury may occur to Bosc pears under certain conditions. Aphids (including apple aphid, rosy apple aphid, woolly aphids and woolly apple aphid), pear psylla — 3/5 to 1 lb. For dormant applications add 2 to 2 1/2 gallons of dormant oil to the mixture and follow directions on the oil label. Mites (including clover mite, European red mite, spider mites, two spotted spider mites) — 3/4 to 1 lb. Green fruitworm, tentiform leafminers, brown mites, pearslug — 1 lb. Leafrollers (including fruittree leafrollers and red-banded leafrollers) — 1 to 1 1/2 lbs. Codling moth, mealybugs and pearleaf blister mites — 1 to 1 1/2 lbs. For mealybugs apply during prebloom stage or when insects appear. Scales (European fruit, lecanium, forbes, San Jose) — 1 to 1 1/2 lbs. Apply when crawlers are present. For dormant application, consult State Agricultural Experiment Stations for information on the addition of oil for better scale control. Or combine 2 to 2 1/2 gallons of dormant oil with lower dosage of mixture and follow directions on the oil label. Do not apply within 14 days of harvest.

**PEACHES:** Aphids — 3/5 to 2 lbs. Thrips, mites, cat-facing insects — 1 to 1 1/2 lbs. For thrips apply at 25% bloom. Repeat at 5 to 6-day intervals through petal fall period. Leafrollers (including fruittree leafrollers, redbanded leafrollers) — 1 to 1 1/2 lbs. Peachtree borers — 1 to 1 1/2 lbs., during appearance of moths in early to late summer. Apply 2 or 3 sprays to trunk from ground to scaffold limbs timed with moth flight. Plum curculio — 1 to 1 1/2 lbs. Oriental fruit moth — 1 to 2 lbs. Scales — 1 1/2 to 2 lbs. when crawlers are present. 2 1/2 to 3 gallons of dormant oil may be added to spray mixture. Then follow directions on oil label.

San Jose scale, olive scale (parlatoria) — 1 1/2 to 2 lbs. For the above scales consult State Agricultural Experiment Stations for information on the addition of oil to spray mixture for better scale control. Cottonycushion scale — 1 1/2 lbs. Cottony peach scale — 1 to 1 1/2 lbs. Lesser peachtree borer — 1 1/2 to 2 lbs. Apply during appearance of the moths in early to late summer. Apply 2 or 3 sprays to trunk from ground to scaffold limbs timed with moth flight. Eyespotted bud moth, pandemis moth, peachtwig borer, stink bugs, tarnished plant bugs — 2 lbs. Do not apply within 14 days of harvest. In California: Do not apply within 21 days of harvest. Workers are not to enter treated areas to engage in substantial contact with the treated foliage for 21 days after application.

**PECANS:** Aphids, mites — 1 1/2 lbs. Do not apply within 15 days of harvest. Do not apply after husks open. Do not feed treated husks to livestock.

bugs — 1 lb. Eyespotted bud moths, leafrollers (including fruittree leafroller, red-banded leafroller), mites (including European red mite, spider mite, two-spotted spider mite), peachtree borers, plum curculio, orange tortrix moths — 1 to 1½ lbs. For peach tree borers, make applications during appearance of the moths in early to late summer. Apply 2 or 3 sprays to trunk from ground to scaffold limbs timed with moth flight. Cankering scales, scales (including oleander scale, olive scale, San Jose scale) — 1 to 2 lbs. For scales, apply when crawlers appear. Do not apply when temperatures exceeds 90°F. If product is combined with oil, consult State Agricultural Experiment Stations, or combine higher dosage with 1½ to 3 gallons dormant oil and follow directions on the oil label. Aphid eggs (dormant application only) — 2 lbs. Combine 2½ to 3 gallons of dormant oil with the spray mixture and follow directions on the oil label. Peach twig borer — 2 lbs. Do not apply when temperature exceeds 90°F. For dormant application see directions above for aphid eggs. Thrips (including flower thrips, pear thrips) — 1½ to 2 lbs. Do not apply within 14 days of harvest.

**BOYSENBERRIES:** Aphids, mites — 1 to 2 lbs. per acre. Do not apply within 15 days of harvest.

**STRAWBERRIES:** Lygus bugs, whiteflies — 1½ to 2 lbs. per acre. Aphids — 2 to 3-1/5 lbs. per acre. Root weevils (including strawberry root weevil) — post-harvest — 4 lbs. per acre. Do not apply within 14 days of harvest.

**WALNUTS:** Aphids (including walnut aphid) and spider mites — ½ to 1 lb. Do not apply after husks open. Frosted scale — 1 to 2 lbs. Apply during dormant period after defoliation is complete.

## Vegetable and field crops

**ALFALFA, CLOVER, VETCH, SMALL GRAINS (such as wheat, oats, barley):** Aphids (including yellow clover aphids) armyworms, blister beetles, grasshoppers — 1 to 2 lbs. per acre. Do not apply within 15 days of cutting for hay use or harvesting of grains.

**BEANS:** Aphids, armyworms, potato leathoppers, serpentine leafminers, leafrollers, Mexican bean beetles — 1½ to 2 lbs. per acre. Do not apply within 7 days of harvest.

**BEETS:** Aphids — 3/5 to 2 lbs. per acre. Flea beetles — 1½ to 2 lbs. per acre. Blister beetles — 2 lbs. per acre. Leafhoppers, leafminers, webworms — 1 to 2 lbs. per acre. Do not apply within 15 days of harvest. If tops are to be used for food or feed do not apply within 21 days of harvest.

**CABBAGE, BROCCOLI, BRUSSELS SPROUTS:** Thrips, aphids — 3/5 to 2 lbs. per acre. Armyworms, diamondback moths, imported cabbage-worms — 1 to 2 lbs. per acre. Climbing cutworms, flea beetles, serpentine leafminers — 2 lbs. per acre. Vegetable weevils — 1½ to 2 lbs. per acre. Cabbage loopers — 2 to 4 lbs. per acre. For broccoli and brussels sprouts do not apply within 7 days of harvest for dosages up to 2 lbs. per acre, 21 days for dosages of 2 to 4 lbs. per acre. For cabbage do not apply within 7 days of harvest for dosages up to 1 lb. per acre, 10 days for 1 to 2 lbs., 21 days for 2 to 4 lbs.

**CARROTS:** Leafminers — 1 to 1½ lbs. per acre. Leafhoppers, vegetable weevils — 1½ to 2 lbs. per acre. For aster leafhoppers treat field margins also. Aphids, stink bugs — 2 lbs. per acre. Do not use treated tops for food or feed. Do not apply within 15 days of harvest.

**CELERY:** Aphids, celery leafhoppers — 1 to 2 lbs. per acre. Leafhoppers — 2 to 3 lbs. per acre. Spider mites — 1-2/3 to 3 lbs. per acre. Serpentine leafminers — 3 lbs. per acre. Do not apply within 15 days of harvest for dosages up to 1 lb. per acre, 21 days for 1 to 2 lbs., 30 days for 2 to 3 lbs.

**CORN:** Fall armyworms — 1 to 1½ lbs. per acre. European corn borers — 1¾ to 2 lbs. per acre. Apply when insects appear, when 50% of eggs are in "black head" stage, or after 20 egg masses are counted per 100 stalks and first eggs are in "black head" stage, or when 75% of the plants show "shot-hole" feeding. Repeat at 5 to 10 day intervals or as needed. Consult your State Agricultural Experiment Station for proper timing of treatment. Do not apply within 12 days of harvest.

**CUCUMBER, MELONS:** Aphids, cucumber beetles, serpentine leafminers, melonworms, pickleworms — 3/5 to 2 lbs. per acre. (for pickleworms on cucumbers use minimum of ¾ lbs.) Climbing cutworms, spider mites, squash vine borers, stink bugs, thrips — 1 to 2 lbs. per acre. Darkling ground beetles, flea beetles, leafhoppers, squash bugs — 2 lbs. per acre. Do not apply before vining. Do not apply within 15 days of harvest.

**EGGPLANT:** Aphids, serpentine leafminers — 1 to 2 lbs. per acre. Thrips — 1 to 1½ lbs. per acre. Do not apply within 15 days of harvest.

**KALE, MUSTARD GREENS:** Aphids, thrips — 3/5 to 2 lbs. per acre. Armyworms, diamondback moths, imported cabbageworms, vegetable weevils — 1½ to 2 lbs. per acre. Climbing cutworms, flea beetles, serpentine leafminers, cabbage loopers — 2 lbs. per acre. Do not apply within 7 days of harvest for dosages up to 1 lb. per acre, 10 days for 1 to 2 lbs.

**LETTUCE:** Aphids, leafhoppers — 1-4/5 to 2 lbs. per acre. Armyworms, cabbage loopers — 2 lbs. per acre. For head lettuce do not apply within 7 days of harvest. For bibb and leaf do not apply within 21 days of harvest.

2 lbs. per acre. Apply within 15 days of harvest.

**PEAS:** Aphids (including pea aphids), pea weevils — 1 to 2 lbs. per acre. Armyworms, climbing cutworms, serpentine leafminers, thrips — 2 lbs. per acre. Do not apply within 10 days of harvest. Do not apply within 15 days of harvest if forage is to be used for food or feed.

**PEPPERS:** Flea beetles — 1½ to 2 lbs. per acre. Serpentine leafminers — 1 to 1½ lbs. per acre. Aphids, pepper maggots, thrips — 1 to 2 lbs. per acre. Do not apply within 15 days of harvest.

**POTATOES:** Colorado potato beetle, flea beetles, leafhoppers, serpentine leafminers, whiteflies — 4/5 to 2 lbs. per acre. Grasshoppers — 4/5 to 1 lb. per acre. Thrips — 1-4/5 lbs. per acre. Aphids, armyworms — 1 to 2 lbs. per acre. Two-spotted spider mites — 2 lbs. per acre. Do not apply within 5 days of harvest.

**SPINACH:** Aphids, leafminers — 1 to 2 lbs. per acre. Do not apply within 14 days of harvest.

**SQUASH:** Aphids, cucumber beetles (including spotted cucumber beetle, striped cucumber beetle), leafminers (including serpentine leafminers), melonworms, pickleworms — 3/5 to 2 lbs. per acre. Thrips — 1 to 2 lbs. per acre. Spider mites (including two-spotted spider mites) — 1½ to 2 lbs. per acre. Cutworms (including climbing cutworms), darkling ground beetles, flea beetles, leafhoppers, squash bugs — 2 lbs. per acre. Do not apply within 15 days of harvest.

**TOMATOES:** Thrips — 1 to 1-4/5 lbs. per acre. Aphids, Colorado potato beetles, flea beetles, leafhoppers, whiteflies — 1 to 2 lbs. per acre. Grasshoppers — 1 lb. per acre. Armyworms, cabbage looper — 2 lbs. per acre. Stink bugs — 1 to 3 lbs. per acre. Spider mites, tomato fruitworm — 2 to 3 lbs. per acre. Tomato pinworms — 3 to 4 lbs. per acre. Hornworms — 1½ to 1-3/5 lbs. per acre. Do not apply within 10 days of harvest.

**TURNIPS:** Aphids, thrips — 3/5 to 2 lbs. per acre. Armyworms, diamondback moths, false chinch bugs, harlequin bugs — 1 to 2 lbs. per acre. Imported cabbageworms — 1½ to 2 lbs. per acre. Climbing cutworms, vegetable weevils, cabbage webworms — 1¾ lbs. per acre. Flea beetles, serpentine leafminers, cabbage loopers — 2 lbs. per acre. Do not apply within 7 days of harvest for dosages up to 1 lb. per acre, 10 days for 1 to 2 lbs.

**CONDITIONS OF SALE:** 1. Western Farm Service, Inc. (WFSI) warrants that this material conforms to the chemical description on the label and is reasonably fit for use as directed hereon. WFSI neither makes, nor authorizes any agent or representative to make, any other warranty of FITNESS or of MERCHANTABILITY, guarantee or representation, express or implied, concerning this material.

2. Critical and unforeseeable factors beyond WFSI's control prevent it from eliminating all risks in connection with the use of chemicals. Such risks include, but are not limited to, damage to plants and crops to which the material is applied, lack of complete control, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit for the uses stated hereon and even though label directions are followed. Buyer and user acknowledge and assume all risks and liability (except those assumed by WFSI under 1 above) resulting from handling, storage, and use of this material.

