

ACCEPTED  
with COMMENTS  
by EPA on 10/10/83

MAR 7 1983

UNITED STATES  
FEDERAL GOVERNMENT

Code 248

Net Weight  
Pounds

**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

**Phoskil® 25 Spray  
Insecticide**

EPA Reg. No. 279-447 AA

EPA Est., 279-

|                                 |               |
|---------------------------------|---------------|
| <b>Active Ingredients:</b>      | <b>By Wt.</b> |
| Parathion .....                 | 23.85%        |
| Related Compounds .....         | 1.15%         |
| <b>Inert Ingredients:</b> ..... | 75.00%        |
|                                 | 100.00%       |

Phoskil® - FMC Trademark

STOP! READ THE LABEL



**CAN KILL YOU**

**NOT FOR HOME USE**

**DANGER**

**POISON**

Keep out of reach  
of children

See side panels  
for antidote  
and precautions

**FMC**

FMC Corporation  
Agricultural Chemical Group  
2000 Market Street  
Philadelphia Pennsylvania 19103



**DANGER—POISON—PRECAUTIONS**

**POISONOUS IF SWALLOWED**

This product is highly toxic if swallowed. Do not swallow. If swallowed, do not induce vomiting. Get medical attention immediately.



**POISONOUS BY SKIN CONTACT**

Parathion is highly toxic to humans. It is absorbed through the skin. Avoid contact with skin. Wash thoroughly with soap and water if contact occurs.



**POISONOUS IF BREATHED**

Parathion is highly toxic to humans. It is absorbed through the lungs. Avoid breathing vapors or dust. Use proper ventilation.

**POISONOUS TO FISH AND WILDLIFE**

**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: Headache, 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.

**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 mask or a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part 11.
- (4) Wear heavy duty, natural rubber gloves.

BEST DOCUMENT AVAILABLE

### WORK SAFETY RULES

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

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

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

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

### FIRST AID TREATMENT

Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to parathion and describe his condition. If breathing has stopped, start artificial respiration immediately and maintain until doctor sees victim.

If swallowed, drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. See doctor immediately.

### NOTE TO PHYSICIAN

**Antidote:** Administer atropine sulfate in large doses, TWO to FOUR mg. intravenously or intramuscularly as soon as cyanosis is overcome. Repeat at 5 to 10 minute intervals until signs of atropinization appear. 2-PAM chloride is also antidotal and may be administered in conjunction with atropine. **DO NOT GIVE MORPHINE OR TRANQUILIZERS.** Parathion is a strong cholinesterase inhibitor affecting the central and peripheral nervous systems and producing cardiac and respiratory depression. At first sign of pulmonary 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 OF THE PATIENT IS INDICATED FOR AT LEAST 48 HOURS.**

### FOR EMERGENCY ASSISTANCE CALL

716-735-3765

### POST TREATED AREA

Consult your State Agricultural Extension Service or Experiment Station regarding posting treating areas.

Workers entering treated areas within 48 hours must wear protective clothing.

### Environmental Hazards

This product is toxic to fish, birds and other wildlife. Do not apply directly to lakes, streams and ponds. 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 plants. For protective information, obtain from your Cooperative Agricultural Extension Service.

### Physical or Chemical Hazards

Do not use or store near heat, open flame.

### DIRECTIONS FOR USE

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

### Storage and Disposal

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to Federal or approved state procedures under subtitle of the Resource Conservation and Recovery Act. Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of bags in a sanitary landfill or by incineration if allowed by state and local authorities.

**Not for use or storage in or around the house.**

Do not use in undiluted form.

Workers entering treated fields within 48 hours must wear protective clothing.

**To Mix:** Fill spray tank half full of water. Empty required amount of spray powder directly into the water with agitator in operation. Continue agitation while filling and during spraying operation.

Phoskil 25 Spray is NOT compatible with lime, lime sulphur, Bordeaux, calcium arsenate or other alkaline materials.

Use the following recommended rates in sufficient water to thoroughly cover one acre. Apply when insects first appear and repeat as necessary to maintain control unless stated differently below. Do not apply during flowering or pollination periods when bees are active in the fields. Observe days interval between last application and harvest indicated by number in ( ) following the crop.

### DIRECTIONS FOR DILUTION

#### Dilute Application

Vegetable or Row Crop Ground Application—apply specified rate in 20 to 60 gallons of water per acre.

Orchard Application—apply specified rate in 100 to 800 gallons of water per acre.

#### Concentrate Application

Vegetable or Row Crop Ground Application—apply specified rate in not less than 5 gallons of water per acre.

Orchard Application—apply specified rate in 20 to 100 gallons of water per acre. Special concentrate equipment is necessary for these uses.

Air Application—apply specified rate in 5 to 20 gallons of water per acre. Orchard rates should not be applied in less than 10 gallons of water per acre.

**Almonds:** Fruit tree leafroller, tent caterpillar, peach twig borer—Use 4-10 lbs. per acre. Do not apply after hulls open. **Dormant:** Use 4-10 lbs. per acre plus 6-8 gallons of dormant oil per acre to control San Jose scale, parlatoria scale, mite eggs and peach twig borer. Observe the cautions on the oil label prior to use.

**Beans (7):** Aphids, Mexican Bean Beetle, leafhoppers (including potato leafhopper), leafminers (including Serpentina leafminers), spider mites (including two spotted spider mites)—use 2 pounds per acre.

**Blackberries (15):** Aphids—apply 1 to 4 lbs. per acre.

**Blueberries (14):** Cherry fruitworm, cranberry fruitworm, plum curculion—apply 2 pounds per acre.

**Carrots (15):** Vegetable weevil, aphids, leafhoppers (including aster leafhoppers)—use 2 lbs. per acre. Do not use treated carrot tops for food or feed.

**Celery (21):** Aphids, celery leafminer, leafhoppers (including aster leafhoppers), leafminers (including Serpentine leafminer)—use 2 pounds per acre

**Cucumbers (15), Melons (7), Squash [winter and summer] (15):** Aphids, cucumber beetle, leafminers, melonworm, pickleworm, squash vine borer, stink bugs, squash bugs, climbing cutworms, Serpentine leafminer—use 2 pounds per acre. Do not apply before plants start to vine

**Figs (30):** Fig scale, two-spotted spider mites and Pacific mite—Use 8 to 10 pounds per acre. Apply in late May or early June. **Dormant:** Fig scale—use 8 to 10 pounds per acre plus 6 to 8 gallons of dormant oil per acre. Observe cautions on the oil label prior to use

**Grapes (14):** False chinch bug, grape leafhoppers, grape mealybug, mites—use 2-6 pounds per acre

**Lettuce (Head-7, Leaf-21):** Aphids, leafhopper, looper—Use 2 pounds per acre

**Olive:** Scales (olive, oleander, black)—Use 4-10 lbs per acre plus 6-12 gallons of summer flowable emulsion light-medium per acre or 4-10 lbs per acre plus a suitable deposit builder. Apply post bloom to late June, except for black scale, apply in late July. Observe cautions on the oil label prior to use. Do not apply later than August 1

**Onions (15):** Leafminer, thrips—Use 2 pounds per acre

**Pecans:** Aphids, mites—Apply 4 to 10 pounds per acre. Do not apply after husks open. Do not feed treated husks to livestock

**Peppers (15):** Aphids, pepper maggot, thrips—Apply 1 to 2 pounds per acre. Flea beetle—Apply 2 pounds per acre

**Potatoes (5):** Aphids, blister beetle, Colorado potato beetle, leafhoppers, leafminers, plant bugs, thrips, vegetable weevil—Apply 2 pounds per acre

**Pears (14):** Pecan psyllid, aphids, tentiform leafminer, green fruitworm, pearslug, San Jose scale, two-spotted spider mite, European red mite and clover mite, mealybug, fruit tree leafroller, European fruit lecanium—Use 3 to 12 pounds per acre. **Dormant:** scale insects, pear psyllid, leafroller, aphids—Use 3 to 12 pounds per acre plus 6 to 8 gallons of dormant oil per acre. Observe the cautions on the oil label prior to use

**Plums (14), Prunes (14):** Fruit tree leafroller, orange tortrix, peach twig borer, codling moth, San Jose scale, olive scale, tussock moth, thrips, mealy plum aphid, plum curculio—Use 6 to 10 pounds per acre. European red mite, two-spotted spider mite—Use 3 to 4 pounds per acre. **Dormant:** Scale insects, aphids, eggs, peach twig borer—Use 6 to 10 pounds per acre plus 6 to 8 gallons of dormant oil per acre. Observe the cautions on the oil label prior to use

**Peaches, Nectarines:** Peach twig borer, thrips (nectarines), Oriental fruit moth, aphids, pandemic moth, stink bugs, eyespotted bud moth, San Jose scale, tarnished plant bug, leafroller, Oriental fruit moth (nectarines only)—Use 6-10 lbs per acre. Crawlers, catfacing insects, leafrollers (peaches only), plum curculio, lesser peach tree borer, peach tree borer—Use 4 to 10 lbs per acre. In California, do not apply within 21 days of harvest. Do not apply more than 20 lbs of Phoskol 25 Spray per acre between January 1 and harvest. In other areas, do not apply within 14 days of harvest. Do not apply more than 20 lbs of Phoskol 25 Spray per acre per year. **Dormant:** Scale insects, crawlers, catfacing insects and peach twig borer—Use 4-10 lbs per acre plus 6-8 gallons dormant oil per acre. Observe the cautions on the oil label prior to use

**Tomatoes (10):** Aphids, Colorado potato beetle, leafminers, russet mite—Apply 2 pounds per acre

**Apples (14):** Leafrollers (including moth), plum curculio—Use 4 to 5 pounds per acre. Apple aphid, rosy apple aphid, woolly apple aphid, mealy bug, eyespotted bud moth, tentiform leafminer, San Jose scale, apple leaf miner, oyster shell scale, European red mite, two-spotted spider mite—Use 2 to 10 lbs per acre. For greater safety, the use of a dormant oil on apples is advised. Slow drying weather

increases the danger of injury. Russetting has been reported on Jonathans. Application of this product may cause injury to fruit and foliage of McIntosh and related varieties and Golden Delicious

**Apricots (14):** Mealybugs, orange tortrix, codling moth, peach twig borer, mealy plum aphid, European fruit lecanium scale, two-spotted spider mite, European red mite—Use 6 to 12 pounds per acre. Oriental fruit moth, fruit tree leafroller—Use 3 to 12 pounds per acre. **Dormant:** Brown apricot scale, black scale, peach twig borer—Use 6 to 12 pounds per acre plus 6 to 8 gallons of dormant oil per acre. Observe the cautions on the oil label prior to use. Do not apply until the danger of bee poisoning has passed

**Cherries (14):** Eyespotted bud moth, orange tortrix, black cherry aphid, pearslug, San Jose scale, lecanium scale, pearslug, fruitflies (including cherry fruit fly, western cherry fruit fly)—Use 2 to 8 pounds per acre. Two-spotted spider mite, European red mite, aphids (including black cherry aphid), leafroller (including fruit tree leafroller), plum curculio—Use 3 to 4 pounds per acre. **Dormant:** Black cherry aphid eggs, clover mites—Use 6 to 8 pounds per acre plus 6 to 8 gallons of dormant oil per acre. Observe the cautions on the oil label prior to use

**Citrus (Grapefruit, Kumquats, Lemons, Limes, Oranges, Tangelos, Tangerines): (14):** Citricola and Cottony Cushion Scales—Use 1 1/2 pounds per 100 gallons of water. California Red and Yellow Scales—Use 1 1/2 pounds per 100 gallons of water immediately after bloom or before fruit becomes infested. Black Scale—Use 1 1/2 pounds per 100 gallons of water within one month after completion of major hatch. Citrus Thrips and Katydid—Use 6 pounds in 100 to 200 gallons of water per acre. Orange Tortrix—Use 3 to 6 pounds per 100 gallons of water per acre. Fruit tree Leafroller—Use 3 to 4 pounds per 100 gallons of water per acre. Cutworms, Western Tussock Moth, Swallowtail Butterfly Larvae (orange dog) and Mealybug—Use 1 1/2 pounds per 100 gallons of water

### Dealers Should Sell in Original Packages Only.

**Terms of Sale or Use:** On purchase of this product buyer and user agree to the following conditions

**Warranty:** FMC makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Except as so warranted, the product is sold as is. Buyer and user assume all risk of use and/or handling and/or storage of this material when such use and/or handling and/or storage is contrary to label instructions

**Directions and Recommendations:** Follow directions carefully. Timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller and are assumed by buyer at his own risk

**Use of Product:** FMC's recommendations for the use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice

**Damages:** Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid and shall not include incidental or consequential damages

248-PA 12 B21

Ms. Eunice M. Cuirle  
FMC Corporation  
Agricultural Chemical Group  
2000 Market Street  
Philadelphia, PA 19103

MAR 7 1983

Dear Ms. Cuirle:

Subject: Phoskil 25 Spray  
EPA Registration No. 279-447  
Your Application of January 18, 1983

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

At the next printing of your label, revise as follows:

1. Change your container disposal statement to read:

Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to Federal or approved state procedures under Subtitle C of the Resource Conservation and Recovery Act.

Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of bags in a sanitary landfill or by incineration if allowed by State and local authorities.

This was mentioned in our October 7, 1982 letter.

2. The Statement of Practical Treatment must appear on the front panel of the labeling and in the following format:

If swallowed: \_\_\_\_\_  
If inhaled: \_\_\_\_\_  
If in eyes: \_\_\_\_\_  
If on skin: \_\_\_\_\_

Sincerely yours,

Jay S. Ellenberger  
Product Manager (12)  
Insecticide-Rodenticide Branch  
Registration Division (TS-767)

Enclosure

TS-767:J.ELLENBERGER;DCR-;WANG-;rfr:Raven:479-2013:3/2/83

| CONCURRENCES |  |  |  |  |  |  |  |
|--------------|--|--|--|--|--|--|--|
| SYMBOL       |  |  |  |  |  |  |  |
| SURNAME      |  |  |  |  |  |  |  |
| DATE         |  |  |  |  |  |  |  |