

STOP! READ THE LABEL

POISON

See below
for antidote
and precautions.



CAN KILL YOU

DANGER

Keep out of reach
of children

ACCEPTED

JAN 22 1973

UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTER-
ED UNDER NO. 122-252

PUREGRO PARATHION 25 WP

ACTIVE INGREDIENT:

Parathion O-O-diethyl O-p-nitrophenyl phosphorothioate 25%

INERT INGREDIENTS: 75%

E.P.A. REG. NO. 1202-252-AA

NOT FOR HOME USE



DANGER—POISON—PRECAUTIONS



CAN KILL YOU IF SWALLOWED

This product can kill you if swallowed even in small amounts: spray mist or dust may be fatal if swallowed.



CAN KILL YOU BY SKIN CONTACT

This product can kill you if touched by hands or spilled or splashed on skin, in eyes or on clothing (liquid goes through clothes).

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 mask or respirator approved by the U.S. Bureau of Mines for parathion protection. (4) Wear heavy duty, natural rubber gloves.

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 para-

DO NOT SWALLOW

small amounts: spray mist or dust may be fatal if swallowed.



CAN KILL YOU BY SKIN CONTACT

This product can kill you if touched by hands or spilled or splashed on skin, in eyes or on clothing (liquid goes through clothes).

CAN KILL YOU IF BREATHED

This product can kill you if vapors, spray mist or dust are breathed.



POISONOUS TO FISH AND WILDLIFE

This product is 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 runoff is likely to occur. Do not contaminate water by cleaning of equipment, or disposal of wastes.

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.



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.

+ 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 and victim is awake (conscious) make him vomit quickly. Induce vomiting by sticking finger down throat or by giving soapy or strong salty water to drink. Repeat until vomit is clear. Never give anything by mouth to an unconscious person. Have victim lie down and keep quiet. See doctor immediately.

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.**

POST TREATED AREA

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

CONTAINER DISPOSAL

Do not reuse empty containers. Destroy by burning with wastes. Stay away from smoke or fume.

CROP USE DIRECTIONS

See reverse side.



DIRECTIONS FOR USE

Apply this product only as specified on this label.

Keep agitator running during filling and spraying operation. Do not allow mixture to stand. Do not combine with combustible liquids unless previous use of this mixture has proven physically compatible and safe to plants.

FRUITS AND NUTS—Rates given in lbs. per 100 gallons of water for air application (5 to 20 gallons of water per acre) and concentrate (low volume) spray (20-150 gallons of water per acre)—adjust lbs. per 100 gallons of water to per acre rate, not to exceed per acre limitations, and apply accordingly. For control of codling moth, oriental fruit moth and plum curculio—apply at petal fall and every 10 to 14 days thereafter. For control of peach twig borer—apply 2 or 3 sprays to trunk from ground to scaffold limbs treated with moth flight.

APPLES: For control of codling moth, plum curculio, orange tortrix, San Jose scale, Forbes scale, scurfy scale, red-banded leaf roller (second and third brood), woolly apple aphids, fruit tree leaf roller, European red mite, two-spotted mite, and mealybug, use 1-2 lbs. per 100 gallons water. Apple pests given below, when present are also controlled. For control of bud moth, red bug, rosy apple aphids, green apple aphids, red-banded leaf roller (first brood), Pacific mite, Schoenit mite, Willamette mite, and clover mite, use $3\frac{1}{2}$ to 11 $\frac{1}{2}$ lbs. per 100 gallons water. For Willamette mite repeat applications at 7-10 day intervals during the summer months. Do not exceed 24 lbs. per acre. Do not apply within 14 days of harvest. **CAUTION**: Injury to fruit and foliage may result from use of this material on McIntosh and related varieties.

APRICOTS: For control of codling moth, fruit tree leaf roller, spider mites, Oriental fruit moth, peach twig borer use 2 $\frac{1}{2}$ lbs. per 100 gallons water. For control of bud moth and aphids, use $3\frac{1}{2}$ to 11 $\frac{1}{2}$ lbs. per 100 gallons water. Do not exceed 14 lbs. per acre. Do not apply within 14 days of harvest.

CHERRIES: Bud moth, black cherry aphids, cankerworm, fruit worm, Oriental fruit moth, San Jose scale, apply at time crawlers emerge, apply 1-2 lbs. per 100 gallons of water. For mites and aphids— $3\frac{1}{2}$ to 11 $\frac{1}{2}$ lbs. per 100 gallons water. Do not apply within 14 days of harvest. Do not exceed 8 lbs. per acre.

CITRUS (Grapefruit, Kumquats, Lemons, Limes, Oranges, Tangerines, Tangerines) (California): For control of California red scale and yellow scale—use 2 $\frac{1}{2}$ lbs. or 1 lb. with $1\frac{1}{2}$ to 1 $\frac{3}{4}$ gallons of a light or medium oil emulsion per 100 gallons in a full coverage spray. For control of purple scale use 1 $\frac{1}{2}$ lbs. or 1 lb. with $1\frac{1}{2}$ to 1 $\frac{3}{4}$ gallon of a light or medium oil emulsion per 100 gallons in a full coverage spray. For control of citrus red and cottony-cushion scale use 8 lbs. per 100 gallons and 100 gallons per acre or $3\frac{1}{2}$ lb. per 100 gallons in full coverage spray during August to November; increase dose to 11 $\frac{1}{2}$ lb. per 100 gallons in a full coverage spray during February and March and 1 lb. during May and June application. For control of citrus thrips use 6 lbs. per 100 gallons and 100 gallons per acre or 1 lb. per 100 gallons in a full coverage spray at time of petal fall. Repeat in late summer and early fall to protect new growth and prevent scarring of fruit. Limitations: For 16 lbs. per acre rate—Do not apply within 14 days of harvest. For 40 lbs. per acre rate—Do not apply within 30 days of harvest.

CURRANTS: Apply 1 lb. per 100 gallons of water to control aphids. Do not exceed 3 lbs. per acre. Do not apply within 30 days of harvest.

GRAPES: Grape mealybug—Apply 2 lbs. per 100 gallons. Use 300 gals. of spray per acre. Apply in late June or early July. Do not apply within 14 days of harvest. Do not exceed 6 lbs. per acre.

NECTARINES, PEACHES: For control of plum curculio, Oriental fruit moth, San Jose scale, fruit tree leaf roller, spider mites, cottony peach scale, and catfacing insects use 1-2 lbs. per 100 gallons water. For control of green peach aphids use 1 $\frac{1}{2}$ to 3 lbs. per 100 gallons water. Do not exceed 10 lbs. per acre. **California**: Do not apply within 21 days of harvest. Do not apply more than once after bloom. Do not apply more than 5 lbs. actual Parathion per acre between January 1 and harvest. **Other Areas**: Full coverage spray for control of scale insects. Do not apply within 14 days of harvest. Do not apply more than 5 lbs. actual Parathion per acre per year.

OLIVE: For control of paratioria, oleander and black scales, use 2 $\frac{1}{2}$ lbs. or 1 lb. with regular oil in spray during June or July. Do not apply later than August 1. Do not exceed 44 lbs. per acre.

PEAR: For control of pear blister mite, use 1 lb. in pre-blossom spray. For pear psylla, use $3\frac{1}{2}$ lb. either in pre-blossom or post-blossom sprays. Use dosages listed under apple for control of codling moth, mealybug, woolly aphids, and certain spider mites. Under some conditions, injury may occur on Bosc pears in the Northeast. Do not apply within 14 days of harvest. Do not exceed 14 lbs. per acre.

PRUNE, PLUM: For control of plum curculio, use 1 $\frac{1}{2}$ lb. For control of bud moth, mealy plum louse, tortrix, leaf roller, leafhoppers, aphids and spider mites, use 1 lb. Do not apply within 14 days of harvest. Do not exceed 16 lbs. per acre.

STRAWBERRY: Aphids, leaf roller and spider mites— $3\frac{1}{2}$ to 11 $\frac{1}{2}$ lbs. per acre. Repeat at 7-10 day intervals or as needed for spider mite control. Do not apply within 14 days of harvest.

WALNUTS: Use 1-2 lbs. per 100 gallons water to control aphids and red spider. Repeat at 7-10 days for red spider. Do not apply after husks open. Do not exceed 40 lbs. per acre.

ALMONDS: To control peach twig borer, paratioria scale, San Jose scale, mites, and aphids, use 1 $\frac{1}{2}$ to 2 lbs. per 100 gallons of water. For dormant spray do not exceed 24 lbs. Parathion per acre. For full coverage spray, not to be applied after hulls open, do not exceed 12 lbs. Parathion per acre.

VEGETABLE AND FIELD CROPS: RATES GIVEN IN LBS. PER ACRE. WHERE RATES OF WATER ARE NOT INDICATED, USE 5-20 GALLONS WATER PER ACRE BY AIRCRAFT AND 20-50 GALLONS WATER PER ACRE BY GROUND RIG.

ARTICHOKES: Apply 2-4 lbs. per acre to control plume moth, aphids. Do not apply within 7 days of harvest.

BEANS: For control of Mexican bean beetle, leafhopper, aphids, red spider mites, armyworms, leaf roller and leafminer, use 1 $\frac{1}{2}$ to 3 lbs. Repeat applications at 7-10 day intervals until controlled. Do not apply within 15 days of harvest.

BEETS: For aphids and webworm apply 1 to 2 $\frac{1}{2}$ lbs. For flea beetle and leaf miner apply 1 $\frac{1}{4}$ to 2 $\frac{1}{2}$ lbs. For blister beetle apply 2 to 2 $\frac{1}{2}$ lbs. Do not apply within 15 days of harvest, or 21 days if treated

STRAWBERRY: Aphids, leaf roller and spider mites. Do not apply within 14 days of harvest.

WALNUTS: Use 1-2 lbs. per 100 gallons water to control red spider. Do not apply after husks open.

ALMONDS: To control peach twig borer, apply 1-2 lbs. per 100 gallons of water. For control of scale, coverage spray, not to be applied after July 1.

VEGETABLE AND FIELD CROPS: RATE: 1-2 lbs. per acre. Do not apply within 14 days of harvest.

ARTICHOKES: Do not apply within 14 days of harvest.

BEANS: Do not apply within 14 days of harvest.

BEETS: Do not apply within 14 days of harvest.

EGGPLANT, RADISHES: Do not apply within 14 days of harvest.

BOY BERRY, RIBS, BROWNS, CABBAGE, BRUSSELS SPROUTS, CAULIFLOWER, CARROTS, CELERY, CORN, CUCUMBERS, MELONS, PUMPKINS, SQUASH: Do not apply within 14 days of harvest.

CABBAGE, BROCCOLI, BRUSSELS SPROUTS, CAULIFLOWER: Do not apply within 14 days of harvest.

CARROTS: Do not apply within 14 days of harvest.

CELERY: Do not apply within 14 days of harvest.

CORN: Do not apply within 14 days of harvest.

COTTON: Apply 1-2 lbs. per acre to control aphids, beet beetles, and thrips. Do not apply within 14 days of harvest.

CUCUMBERS, SQUASH, MELONS, PUMPKINS: Do not apply within 14 days of harvest.

ENDIVE, LETTUCE: Apply 1-2 lbs. per acre to control aphids. Do not apply within 14 days of harvest.

HOPS: 1-2½ lbs. per acre to control aphids. Do not apply within 14 days of harvest.

KALE, MUSTARD GREENS, TURNIPS: Apply 2 lbs. per acre to control aphids, armyworm, cutworm, and thrips. Do not apply within 14 days of harvest.

ONIONS: Apply 2 to 2½ lbs. per acre to control thrips. Repeat at weekly intervals as necessary. Do not apply within 15 days of harvest.

ORNAMENTALS: Apply 1-2 lbs. per 100 gallons of water to control aphids, whitefly, red spider mite, leafhopper, thrips, lace bug, leaf miner, cottony cushion scale, juniper webworm, mealy bug. Repeat as necessary.

PEAS: Apply 1-2 lbs. per acre to control aphids and pea weevil. Apply 2 lbs. per acre to control serpentine leafminer. Do not apply within 10 days of harvest.

PEPPERS: Apply 1 to 2½ lbs. per acre to control aphids, pepper maggot, serpentine leafminer, and thrips. Apply 1½ to 2½ lbs. per acre to control flea beetles. Do not apply within 15 days of harvest.

POTATOES: Aphids, Colorado potato beetle, flea beetle, leaf hoppers, leafminers, spider mites. Use 2 lbs. Do not apply within 5 days of harvest.

SPINACH, SWISS CHARD: Apply 2 lbs. per acre to control aphids. Do not apply within 14 days of harvest on spinach, 21 days of harvest on Swiss chard.

SUGAR BEETS: Apply 2-2½ lbs. per acre to control aphids, webworms. Do not apply within 14 days of harvest.

TOMATOES: Apply 1-2 lbs. per acre to control Colorado potato beetle, flea beetle, leaf hoppers, serpentine leafminer, grasshoppers, whitefly, and aphids. Apply 2 lbs. per acre to control armyworms. Do not apply within 10 days of harvest.

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.

CONDITIONS OF SALE

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.