

DANGER—POISON PRECAUTIONS

CAN KILL YOU IF SWALLOWED

This product can kill you if swallowed even in small amounts: spray mist 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 IT BREATHED

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

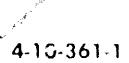
POISONOUS TO FISH AND WILDLIFE

This product is toxic to fish, shrimp, crabs and other wildlife. Birds and other wildlife in treated areas may be killed. Keep out of lakes, streams, ponds, tidal marshes and estuaries. 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. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources. Apply this product only as specified on this label.

USE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE EQUIPMENT AND CLOTHING

Wear water proof pants, coat, hat, rubber, boots or rubber over three 2: Wear cafety goggles. (3) Wear mask or respirator approved by the U.S. Bureau of Mines for parathion protection. 1 Wear heavy duty, natural rubber gloves.

EPA Reg. No. 5481-185-AA EPA Est. 5481-CA-1 0675



AMVAC CHEMICAL CORP.
LOS ANGELES, CALIFORNIA 90023

PARATHION 25 W

ACTIVE INGREDIENT:

Parathion: 0,0-diethyl 0-p-nitrophenyl phosphorothioate

25.00 % 75.00 %

100.00%

POISON STOP! READ THE LABEL



CAN KILL YOU

DANGER

Keep Out of Reach of Children

NOT FOR HOME USE

See antidote statement and other precautions on side and back panels.

WORK SAFETY RULES

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

On 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 the victim to a 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 the replaced according to instructs is 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 tie 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 TRAN-QUILIZERS 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 AREAS

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

USE PRECAUTIONS

protected by and other pollinators, use in early morning or late inversing. Do not apply or allow to drift to areas occupied by unprotected but and or beneficial animals. Vacated areas should not be reentered intil drifting insecticide and volatile residues have dissipated. Re a away from heat and open flame

CONTAINER DISPOSAL: Do not reuse empty container. Destroy it by Surying of beining. Stay away from smoke or fumes.

DIRECTIONS FOR USE

Application shuld be made only by experienced personnel using approved safety equipment. Measure the specified amount of this product then wash through filler 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 operation. Do not allow mixture to stand. Do not use in low volume gear-tipe spray equipment. Do not apply with hand equipment. Do no combine with emulsifiable liquids unless previous use of the nixture has proven physically compatible and safe to plants.

Application shuld be made by experienced personnel using approved safety equipment by aircraft or ground equipment.

Aircraft and round equipment operators are cautioned to work so that the spray or dust is carried downwind away from the aircraft or vehicle.

Personnel who use parathion must be provided medical supervision in accordance with the regulations of the State Department of Industrial Relations.

Users of parithion are required to observe regulations of the Department of Agriculture relating to injurious materials.

Parathion may not be used as an aerosol or fog, as an indoor treatment or in a loil dilution.

This product's highly toxic to bees exposed to direct treatment or recities on rops. Protective information may be obtained from your Cooper. We Agricultural Extension Service

The puriouse care to avoid damage whenever spraying over areas containing file or wildlife.

RECOMMENDATIONS

Unless otherwise specified, rates are given in terms of Paratr on 15 W per 11) gallons of water for truit and nut trees, for vige tables and field crops. Parathion 25 W per acre in sufficient water to provide alequate coverage. Except as specified, begin application at the first sign of infestation and repeat as needed to main tain contribute observe use limits given for specific crops.

FRUITS AND NUTS

Make full colorage sprays for scale insect control. For control it is thing moth apple maggit, oriental fruit moth or plum curculic apply us directed inder specific crop recommendation. Make first apply at no all pet il fall and repeat every 10 to 14 days thereafter until control is a lieved.

ALMONDS Cliental frost moth tent caterpillar and peen twig been apply 1320 to per 100 gallons of water and make for cover only the petal fail to mit use after holis agencial rather ded theres holis agencial rather.

APPLE: For intrology continue moth plant currouse commune for a long last fixture and solidy cases reflected eat roller ending and there are one wouldy appear applied and mealthing, when it days of barvest

Apple less to liven below, when present are also controled for control of a state and apple but not not belong to three light reaches to control of the apple apple appled ced banded leaf reject cases a second to be a for pean red mite two spotted mite. Paging mote is been not. Williamette mite and clover mite use to 16 for certain mite less has two spotted and Williamette repeat applications at less two spotted and Williamette repeat applications at less two spotted and mitigamette repeat applications at less two spotted and mitigamette repeat applications to control of mites on apple are applicable to other deletes in the source of the control of mites on apple are applicable to other deletes in the source of the control of peac prone and plum

CAUTION. It is to to first and foliage may result from one of the material on Month's and related varieties. Consult agricult relation that the term of the APRICOTS. It is to the control of the APRICOTS. It is to the control of the

The first of the control of the cont

cherry fruitworm, Oric poter, western cherry scale, apply at time of at betal tan and repo - nuck split, or apply intervals for addition Treat interplanted tre auait and pollinizers. ${f R}$ and aphids -12 to 1/4 CITRUS (California): Fo scale, use 2½ lbs of or light medium oil spray any time of year or 1/2 lb. with 11/2 td emulsion per 100 gall For control of Citricol 100 gallons and 100 p a full coverage spray 12 lb. per 100 gallons May and June applicat ber 100 gallons of wa November. For control and 100 gallons per 4 caray at time of peta to protect new growth Do not apply within more than 16 lbs. pe Avoid use of citrus p GRAPES (California): G 島e 300 gailens of spi Do not apply within 5 lbs, per acre appli**d** NECTARINES. PEACHES isect, cottony peach : curculio. Oriental fruit thrip control use I li fall at 5 to 6 day in twig borer. For the co Do not apply within $oldsymbol{1}$ not apply more than Chitorsia, between Ja

CHERRY: Everspotted

tion after bloom.

OLIVE: For control of to 2 lbs. Apply as a promound lune to August to spray mixture. A meander subte and particle and particle spray mixture. No PEAR. For control of colay for pear psylling moth, mealybug, once on litrons, injuly to mot apply within 1

PRUNE AND PLUM: Fit officed of eyempatted roller, leaf popiers. I apply within 14 days STRAWBERRY Athirds, I to 1 odds, intervals apply within 14 days WALNUT Formstral Report of 150 diagen.

VEGETA

BEANS, For section of the specific annual attenual time at the section at

red spider, armyword Repert application at apply within 15 days BFFT for applieds led to be seed to application

25 W

25.00 % 75.00 % 100.00 %

(Symptoms)

ry dangerous poison. It rapidly n contact with all skin surfaces wet with this material must be tely. Exposed persons must relical treatment or they may die. and symptoms of poisoning are: womiting, cramps, weakness, point pupils, tightness in chest, nervousness, sweating, wateriling or frothing of mouth and ims and coma.

AID TREATMENT -

hysician), clinic or hospital imthat the victim has been exin and describe his condition. stopped, start artificial respiraand maintain until doctor sees

victim is awake (conscious) make ly. Induce vomiting by sticking at or by giving soapy or strong ink. Repeat until vomit is clear. Ing by mouth to an unconscious im lie down and keep quiet. See ly.

it, immediately flush eyes or skin iter for at least 15 minutes while imated clothing and shoes. See ilv.

E TO PHYSICIAN

ilnister atropine sulfate in large FOUR mg. intravenously or intraion as cyanosis is overcome. Re-I minute intervals until signs of pear. 2-PAM chloride is also antibe administered in conjunction D NOT GIVE MORPHINE OR TRANthion is a strong cholinesterase ing the central and peripheral and producing cardiac and resilon. At first sign of pulmonary ent should be given supplemental ated symptomatically. Continued he poison may occur and fatal sen reported after initial improve ISE SUPERVISION OF THE PATIENT DR AT LEAST 48 HOURS

T TREATED AREAS

ate Agricultural Extension Service lien regarding posting treated

USE PRECAUTIONS

I prote these and other pollinators, use in early morning or late even gibb rot apply or allow to drift to areas occupied by unprotected humans or beneficial animals. Vacated areas should not be reentered until drifting insecticide and volatile residues have dissipated. Keep away from heat and open flame.

CONTAINER DISPOSAL: Do not reuse empty container. Destroy it by burying or burning. Stay away from smoke or fumes.

DIRECTIONS FOR USE

Application should be made only by experienced personnel using approved safety equipment. Measure the specified amount of this product then wash through filler 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 operation. Do not allow mixture to stand. Do not use in low volume gear-type spray equipment. Do not apply with hand equipment. Do no combine with emulsifiable liquids unless previous use of the nixture has proven physically compatible and safe to plants.

Application smuld be made by experienced personnel using approved safety equipment by aircraft or ground equipment.

Threfalt and pround equipment operators are cautioned to work so that the spray or dust is carried downwind away from the aircraft or vehicle.

Personnel who use parathion must be provided medical supervision in accordance with the regulations of the State Department of Industrial Relations

Sers of parathism are required to observe regulations of the Department of Agriculture relating to injurious materials.

Parathion may not be used as an aerosol or fog, as an indoor treatment or in an oil dilution.

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

the particular care to avoid damage whenever spraying over areas containing fish or wildlife.

RECOMMENDATIONS

Unless otherwise specified, rates are given in terms of Parathion 25 W per 153 gallons of water for fruit and nut trees, for vegetables and field crops. Parathion 25 W per acre in sufficient water to provide a foguate coverage. Except as specified, begin application at the first sign of infestation and repeat as needed to maintain control but observe use limits given for specific crops.

FRUITS AND NUTS

Mike full coverage sprays for scale insect control. For control of adding circle, apple magget oriental front moth or plum curculo apply as directed under specific crop recommendation. Make first apply arture at petal fall and repeat every 10 to 14 days thereafter into controls a achieved.

ALMONOS: Greental front 13th, tent caterpollar and peach twig boses apply 1320 ibs per 100 gallons of water and make full over 1 ray after petal fail D not use after nois open. Do not used treated noils to investors

APPLE: For include of codeny meth plum currose or orange tortraces a lose if bin, and sixty sixtes red banded leaf roller (second and third binos will a cover applied and mealybug, use 1 lb. De lost sixty within 14 tays of harvest.

Applie pests given below, when present are also controlled. For a troil of evespotted and apple bud moth, red bug, fruit tree teaf of a troil of evespotted and apple apple applied, red banded leaf roller first troid. European red mate, two-spotted mate. Pacific mite. Schoend mate. Williamette mate, and clover mite use 3a. Ib. For contain mate, such as two spotted and Williamette, repeat application at 3 to 10 day intervals during the summer months.

The directors for control of males on apple are applicable to other are advoces found, such as pear in pear introduced indiplum.

CAUTION: Progrey to fruit and foliage may result from use of the moterial or Montain and related varieties. Consult agricultural

APRICOTS is a simple of a fingle of the Operatal fruit moth and there is a simple of the first moth and the simple of the first of tree leaf roller appeter motes and appears to the simple of the provided by the simple of the s

CHERRY: Eyespotted bud moth, black cherry aphid, cankerworm, cherry fruitworm, Oriental fruit moth, San Jose scale, shot hole bore: western cherry fruit fly and tortrix—1 lb. For San Jose scale, apply at time crawlers emerge. For fruit fly control, apply petal fail 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 fain. For mites and aphids—½ to ¾ lb. Do not apply within 14 days of harvest.

CITRUS (California): For control of California red scale and yellow scale, use $2\frac{1}{2}$ lbs. or $\frac{1}{2}$ lb. with $1\frac{1}{2}$ to $1\frac{3}{4}$ gallons of a light or light medium oil emulsion per 100 gallons in a full coverage spray any time of year. For control of Purple scale use 1½ lbs. or ½ lb. with 1½ to 134 gallons of a light or light medium oil emulsion per 100 gallons in a full coverage sproy any time of year For control of Citricola and Cottony-cushion—ale use 6 lbs. per 100 gallons and 100 gallons per acre or ¼ lb. per 100 gallons in a fu'll coverage spray during August to November, increase dose to 12 ib. per 100 gallons during February to March and to 1 lb. during May and June applications. For control of black scale use 1½ lbs per 100 gallons of water in a full coverage spray during August to November, for control of citrus thrips use 6 lbs, per 100 gallons and 100 gallons per acre or 1 lb. per 100 gallons in full coverage spray at time of petal fall. Repeat in late summer and early fall to protect new growth and prevent scarring of fruit.

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.

GRAPES (California): Grape mealybug---Apply 2 lbs. per 100 gallons. Use 300 gallons 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.

NECTARINES, PEACHES: Use 1 lb. for the control of catfacing insects, cottony peach scale, fruit tree leafroller, spider mites, plum curculio. Oriental fruit moth; for San Jose scale use $1\frac{1}{2}$ lbs.; for thrip control use 1 lb. and apply from 25% bloom through petalfall at 5 to 6 day intervals; use 2 lbs for the control of peach twig borer. For the control of green peach applied use $\frac{1}{2}$ to $\frac{3}{4}$ lbs and not apply within 14 days of harvest (21 days in California). Do not apply more than 5 lbs actual Parathion per acre per year (in C lifornia, between January 1st and harvest, and only one application after bloom).

OLIVE: For control of parlatoria, oleander and black scales, use 1 to 2 lbs. Apply as a postbloom spray (late May to early June) and from mid-June to August 1. Combine 1½ gallons of medium oil with spray mixture. Apply from postbloom stage to late June for pleander scale and parlatoria scale, and in late hilly for black scale. Combine 1½ gallons of light medium summer oil emulsion with the spray mixture. No applications after August 1.

PEAR: For control of pear blister miter use 1 b in pre-blossom spray. For pear psylla, use 34 lb either in pre-blossom or post-of-coom sprays. Use dosages listed under apple for control of codling moth, mealybug, woolly applied and certain spider mites. Under some conditions, injury may occur on Boso pears in the Northeast. Do not apply within 14 days of harvest.

PRUNE AND PLUM: For control of plum curculio, use 14% by Force of of eyespitted bud moth mealy plum louse to the leaf roller leaf-hoppers, aphids and spider mites, use 1 lb Do not apply within 14 days of harvest

STRAWBERRY: Aphids, leaf roller and spider mites- 1 to Repeat at 7 to 10 day intervals or as needed for spider mite control. Do not apply within 14 days of harvest.

WALNUT: For control of aphic, and red spider, use 1 ib per a tell Repeat at 7 to 10 days for red colder. Do not apply after backs open

VEGETABLE AND FIELD CROPS

BEANS for central of Mexican bean beetle, leafnoppers, aphidical spider, armyworm, leafroller, and leafminer, use $1.1.5.7\,$ Hz. Repeat application at 7- to 10 day intervals until controlled. Do not apply within 15-days of harvest.

BEET for aphoto leathopper leath oner and webworm apply 1 the for the heaten apply 1 to the Eor billion beet on apply 1 to the line out apply within 11 to the financial of places of treated to a contract the point of the point to feet and

CARROT: For control of aphids, use 4: Ib per 100 gallians. Apply 300 gallons per sore. Do not apply within 15 days of harvest

CABBAGE, BROCCOLI, BRUSSELS SPROUTS, KALE, MUSTARD, TURNIPS: for control of aphids armyworms, appage looper, flea beetle, diamondback moth, imported cabbage worm, serpentine leafminer and thrips apply 2 lbs. Do not apply within / days of harvest on his coll Brussels sprouts and cauliflower, 10 days on cabbage, kale, mustard and turnips.

CELERY: For control of aphids, celery leaf tier, leafhoppers and spider mites, apply 2 lbs. Do not apply within 21 days of harvest CUCUMBER, SQUASH AND MELONS: Apply 2 lbs. for control of aphids, cucumber beetle, climbing cutworms, darkling ground beetle, flea beetle, leafhopper, leafminer, melon worm, pickle worm, serpentine leafminer, squash bug, spider mites, petrobia mite and thrips. Make no applications before plants start to vine or within 15 days of harvest on cucumber and squash and 7 days on melons

CORN: Apply 2 ibs. for European corn Corer control. Consult your state agricultural experiment station for proper timing of treatments. For control of armyworms, use 1 lb. Do not apply witten 12 days of picking, cutting or forage.

LETTUCE: Aphids, leafhappers, Use 2 lbs. Do not apply within 7 days of narvest on head lettuce: 21 days on leaf and lob lettuce ONIONS: Apply 2 lbs. and repeat at weekly intervals as necessary for thrip control. Do not apply within 15 days of harvest.

PEPPER: Apply 1-2 lbs for aphid depper mach is, fix a bectle for pentine leafminer and thrip control. Do not apply within 15 days of harvest.

PEA: For aphilipea weevil, and 1 lb per one Serpentine leaf miner, thrips, use 7 lbs, per acce. Bo not apply within 10 days of parvest.

POTATOES: Aphads: Calculate potate beatle, fled thethe heatherpole leafminer, included makes use 2 abs. Do not apply within 5 days of harvest.

SPINACH. Apply 11 by the applied and cathodisc contest Bollenia apply within 14 days of harvest

TOMATOES: Applied the the the Deafhroper security of elements probe mites, strategy tomake produce the efficiency of approximation 10 days of harvest.

FIELD CROPS

COTTON- Applies apply to be, when whe is appear to be to develops. Atmywhere teach opers as fuding the weight of the bug teacher pardenteafor oper. Saltmarsh laters and fore bug thrips. Use of the spoten motes and along two centers proceeding. Apply 1966, when motes appear on when wower to be in the given how to red on brown Repeat on each tone and form indicate towards. But with the following restrict the coopers. Surporting a first hopping a form of two parts of the parts of the following three two parts of the parts

ALFALFA, CLOVER, SMALL GRAINS: Affairs of the product of the grains of the wheel that and parks, Fig. 1 that from the product of approximate the product of the product of

NOTICE: Amvac Chemical Corporation 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 Amvac's label.

LBS.