

**ACCEPTED**

**DEC 31 1969**

UNDER FEDERAL REG. NO. 4581-210  
 FUNGICIDE AND RODENTICIDE ACT  
 FOR ECONOMIC POISON REGISTERED  
 UNDER NO. 4581-210 SUBJECT  
 TO ATTACHED COMMENTS.

4581-210

**GENERAL INFORMATION**

Perthane F-4 is a liquid paste formulation which is compatible with other commonly used insecticides and fungicides, such as malathion, parathion, DDT, TDE, methoxychlor, Zineb, captan, ferbam, glyodin and Guthion.

**DIRECTIONS FOR USE**

**PEARS**—For control of pear psylla. Use 1 quart of PERTHANE F-4 per 100 gallons of water and apply sufficient to provide 8 lbs. active ingredient per acre per application. Apply up to 4 cover sprays starting in late May or early June. The first two cover sprays should be applied 7 to 14 days apart and if more cover sprays are necessary wait 30 days and apply two additional sprays 7 to 14 days apart. The fourth cover spray should not be applied closer than 7 days prior to harvest.

When necessary to control overwintering or early Spring pear psylla populations a pre-bloom application of 8 lbs. per acre may be made. To reduce tree injury from psylla toxin a post harvest spray of PERTHANE F-4 is recommended.

PERTHANE F-4 may be used in orchards where pears are interplanted with apples but do not use the treated apples in the manufacture of apple pomace for livestock feed.

**CHERRIES**: For control of cherry fruit fly use 1 quart of PERTHANE F-4 in 100 gallons of water. Thorough full-coverage applications should be made beginning when the adult flies appear, usually just after the blossom buds open. Repeat application every 10 days until harvest time. Do not apply within 2 days of harvest. An additional spray after harvest is suggested, especially if high temperatures have kept flies active.

**SPINACH**: For control of leafhoppers and cabbage loopers. Use 1 quart of PERTHANE F-4 per acre in 25 to 100 gallons of water in ground sprayers or in 5 gallons of water in aerial sprayers. Apply when insects are first noted, making thorough application. Repeat applications at weekly to 10-day intervals as required for adequate insect control. Do not apply within 7 days of harvest.

NET CONTENTS ----- GALLONS

**Perthane\* F-4**

Contains 4 lbs. Perthane per gallon

**ACTIVE INGREDIENTS:**

Diethyl diphenyl dichloroethane --- 46.1%

Related reaction products ----- 2.4%

Aromatic petroleum derivative --- 20.9%

**INERT INGREDIENTS** ----- 30.6%

**TOTAL** ----- 100.0%

\*Perthane is a registered trademark of Rohm & Haas Co.

**CAUTION**

**KEEP OUT OF REACH OF CHILDREN**

See Specific Caution Statements on Side Panel

USDA Registration No. 4581-210

Sold by



AGRICULTURAL CHEMICALS

TACOMA, WASH.    PHILADELPHIA, PA.  
 OAK BROOK, ILL.    BRYAN, TEXAS    FRESNO, CALIF.  
 MONTGOMERY, ALA.

**CABBAGE, BROCCOLI, CAULIFLOWER BRUSSELS SPROUTS, KOHLRABI**: For control of cabbage looper and imported cabbage worm. Use 1 quart of PERTHANE F-4 per acre in 25 to 100 gallons of water in ground sprayers or in 5 gallons of water in aerial sprayers. Apply when insects are

first noted, making thorough applications at weekly to 10-day intervals as required for adequate insect control. Do not apply within 3 days of harvest.

**CAUTION**

Harmful if swallowed. Avoid skin contact with solutions. In case of skin contact, wash with soap and water. Avoid breathing spray mist. Avoid storage near feed and food products. Do not combine with materials not compatible with aromatic solvents as KARATHANE, KELTHANE, MORCIDE, MORESTAN, SEVIN, CHLOROBENZILATE and OIL, as injury to fruit and foliage may occur. Do not combine with flowable PARATHION formulations in post bloom sprays.

HIGHLY TOXIC TO FISH. DO NOT CONTAMINATE ANY BODY OF WATER NOR APPLY TO ANY AREA NOT SPECIFIED ON THE LABEL THIS PRODUCT IS TOXIC TO BEES AND SHOULD NOT BE APPLIED WHEN BEES ARE ACTIVELY VISITING THE AREA.

**STORE IN SHADE. AVOID FREEZING.**

Burn or bury containers; never reuse. Stay out of smoke and fumes.

**NOTICE**

Pennwalt Corporation warrants that this material conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use, subject to the risks referred to therein. Pennwalt Corporation makes no other express or implied warranty, including any other express or implied warranty of FITNESS or of MERCHANTABILITY, and no agent of Pennwalt Corporation is authorized to do so except in writing, with a specific reference to this warranty. Any damages arising from a breach of this warranty shall be limited to direct damages, and shall not include consequential commercial damages such as loss of profits or values.

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