

ACCEPTED
with conditions
in EPA...

AUG 6 1984

1202-251

BEST DOCUMENT AVAILABLE

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS
(AND DOMESTIC ANIMALS)**

DANGER

Fatal if swallowed, inhaled or absorbed through skin. Do not breathe vapor or spray mist. Do not get in eyes, on skin, or on clothing. Exposed persons must receive prompt medical attention or they may die.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. Keep out of lakes, ponds, or streams. 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 HAZARDS

Do not use or store near heat or open flame. In case of spill or accident, call CHEMTREC (800) 424-9300 day or night for assistance.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Use only according to attached label and instructions.

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 reentry 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. 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 or oral warnings must include the following information:

"DANGER" Area to be treated with Parathion on (date of application). Do not enter without appropriate protective clothing for 48 hours. If accidentally exposed, consult the Statement of Practical Treatment portion of the pesticide label for first aid and medical attention recommendations."

WORKER SAFETY

Wear goggles or face shield, impermeable gloves and apron while pouring and transferring the concentrated product and at other times when contact with concentrate or spray is likely. Wear a long-sleeved shirt, long-legged pants or coveralls, and shoes and socks while mixing concentrate and while spraying. Do not wear contaminated clothing or shoes. Remove contaminated clothing immediately and wash thoroughly before reuse. Wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration and the National Institute for Occupational Safety and Health.

RESTRICTED USE PESTICIDE

FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION OF A CERTIFIED APPLICATOR'S CERTIFICATION.

**PUREGRO
PARATHION 4 LIQUID**

CONTAINS FOUR POUNDS ETHYL PARATHION/RELATED COMPOUNDS PER GALLON

KEEP OUT OF REACH OF CHILDREN



**DANGER
POISON
PELIGRO**



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

STATEMENT OF PRACTICAL TREATMENT

SYMPTOMS OF POISONING: Headache, nausea, vomiting, cramps, weakness, blurred vision, pin-point pupils, tightness of chest, labored breathing, nervousness, sweating, watering of eyes, drooling or frothing of mouth and nose, muscle spasms and coma. If symptoms of poisoning develop from any type of exposure **SEND FOR A PHYSICIAN.**
FIRST AID: Have patient lie quiet in coolest spot available. If feverish, cool with cold

compresses or by immersing patient in not breathing. **GET**

IF SWALLOWED: Call a physician and induce vomiting by touch anything by mouth to an un-

IF SPLASHED IN EYES: Immediately get medical attention.

IF SPILLED ON SKIN: Immediately wash skin with soap and water and treat as in FIRST AID, above.

NOTE TO ATTENDING PHYSICIAN: TWO to FOUR mg intravenous

Repeat at 5 to 10 minute intervals also antidotal and may be

MORPHINE OR TRANQUILIZERS central and peripheral nervous

At first sign of pulmonary edema, treat symptomatically. Codeine

have been reported after initial treatment.

IS INDICATED FOR AT LEAST

**LOS ANGELES POISON CONTROL CENTER: (213) 664-2
SEE LEFT SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS**

DISTRIBUTED
BY



WEST SACRAMENTO, CALIFORNIA

EPA Reg. No. 1202-251 AA
EPA Est. No. 35296 CA 2

ACCEPTED
with conditions
to EPA

AUG 19 1984

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PARATHION

4 LIQUID

BEST DOCUMENT AVAILABLE

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 APPLICATORS CERTIFICATION

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

Apply where runoff is likely to contaminate water by cleaning of equipment.

Protective information may be found on the label.

EC (800) 424-8300 day or night

Use only according to the label.

Do not use on food crops or other persons. The area should be treated with this product.

Do not use in an area about to be used for human habitation unless written warnings cannot be removed.

Without appropriate protective equipment, avoid contact with the pesticide.

Wear the concentrated product on a long-sleeved shirt, long-legged pants or coveralls, and long gloves. Wear a pesticide respirator.



ACTIVE INGREDIENT	
Parathion	
O, O-diethyl O-p-nitrophenyl Phosphorothioate	44.8%
Related Compounds	2.2%
INERT INGREDIENTS	53.0%
100.0%	

CONTAINS FOUR POUNDS ETHYL PARATHION/RELATED COMPOUNDS PER GALLON. CONTAINS XYLENE.

KEEP OUT OF REACH OF CHILDREN



**DANGER
POISON
PELIGRO**



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

STATEMENT OF PRACTICAL TREATMENT

SYMPTOMS OF POISONING: Headache, nausea, vomiting, cramps, weakness, blurred vision, pin-point pupils, tightness of chest, labored breathing, nervousness, sweating, watering of eyes, drooping or frothing of mouth and nose, muscle spasms and coma. If symptoms of poisoning develop from any type of exposure **SEND FOR A PHYSICIAN** IMMEDIATELY. Have patient lie quiet in coolest spot available. If feverish, cool with cold

compresses or by immersion in cool water. Start artificial respiration immediately if patient is not breathing. **GET MEDICAL ATTENTION**

IF SWALLOWED: Call a physician or Poison Control Center. 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.

IF SPLASHED IN EYES: Immediately flush eyes with clear water for at least 15 minutes and get medical attention.

IF SPILLED ON SKIN: Immediately remove contaminated clothing, INCLUDING SHOES, and wash skin with soap and water. If symptoms of poisoning develop, send for a physician and treat as in FIRST AID, above. Discard contaminated clothing and shoes, or clean them thoroughly before reuse.

NOTE TO ATTENDING 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.**

LOS ANGELES POISON CONTROL CENTER: (213) 664-2121
SEE LEFT SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENT.

DISTRIBUTED BY



EPA Reg. No. 1207-251 AA
EPA Est. No. 35295 CA 2

WESTLAH, HAWAII, CA, U.S.A.

NET CONTENTS

GALLONS

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STORAGE AND DISPOSAL

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

STORAGE: Store only in original container in locked storage area. If a spill occurs, visible puddles or drops should be covered with a dry adsorbent such as clay, sawdust, lime or soda ash. Sweep up and dispose of in a permitted disposal facility. Avoid cross-contamination with other pesticides and fertilizers during handling and storage. Do not store near heat or open flame. Not for Use or Storage In or Around the Home

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Do not reuse container.

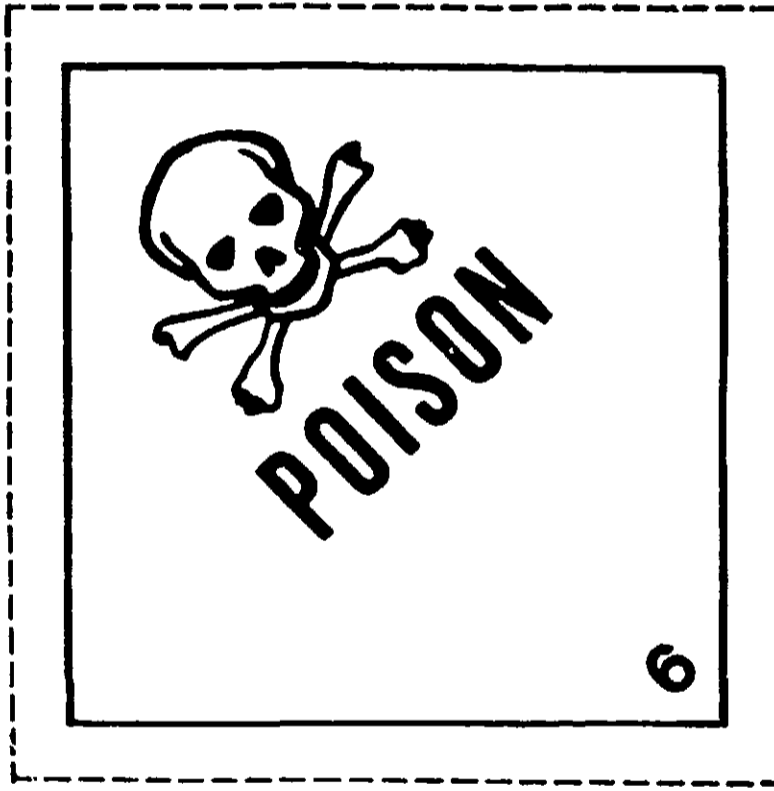
PUREGRO CONDITIONS OF SALE AND WARRANTY

PUREGRO COMPANY warrants only that the product conforms to the chemical description on the label and is reasonably fit for the use stated on the label when used in strict accordance with the directions under normal conditions of use.

Critical and unforeseen factors beyond PUREGRO COMPANY'S control prevent it from eliminating all risks in connection with the use of the product. Such risks include, but are not limited to, damage to plants and crops to which the product is applied, lack of complete product control by PUREGRO COMPANY and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit for the uses stated herein and even though label directions are followed.

Therefore, this warranty does not extend to the use of this product contrary to label instructions or under abnormal conditions, or under conditions not reasonably foreseen to PUREGRO COMPANY. Buyer and user acknowledge and assume all risks and liabilities resulting from the handling, storage and use of this product.

PUREGRO COMPANY makes no other warranty, express or implied, including any other express or implied warranty of fitness for a particular purpose or of merchantability. In no case shall PUREGRO COMPANY be liable for consequential, special, or indirect damages resulting from the use or handling of this product. PUREGRO COMPANY does not authorize any agent or salesman to make any other warranty, guarantee or representation, express or implied, concerning this product, except those expressly set forth in this product label, and denies any such warranty, guarantee or representation, express or implied, made by any agent or employee of PUREGRO COMPANY, except those expressly set forth in this product label. The foregoing conditions of sale and warranty can be varied only by an agreement in writing signed by a duly authorized representative of PUREGRO COMPANY.



RQ Parathion Mixture, Liquid
NA 2783

USE ONLY ACCORDING TO DIRECTIONS

LOT. NO. ----- 4/84 DF

CUCUMBERS, MELONS, SQUASH, PUMPKINS: Apply 1/2 to 1 pint per acre to control petrobria mites, cucumber beetles, leafhoppers, leafminer, aphids, thrips, squash bug. Do not apply before vining on cucumbers. Do not apply within 15 days of harvest on cucumbers, squash, 10 days of harvest on pumpkins, 7 days of harvest on melons. By Air Cucumbers, Melons—1/2 pint per acre in water to cover.

CORN, SORGHUM: Apply 1 to 2 pints per acre to control European corn borer, armyworms. Do not apply within 12 days of harvest or cutting for forage.

COTTON: Apply 1-2 pints per acre to control aphids, fleahoppers, garden webworms, red spider mites, white fly, cabbage loopers, thrips. Workers entering fields within 24 hours after application should wear protective clothing. **DO NOT HAND PICK OR HARVEST WITHIN 7 DAYS**

EGGPLANTS: Apply 1 to 1 1/2 pints per acre to control aphid, leaf miners. Do not apply within 15 days of harvest.

LETTUCE, ENDIVE: Apply 1 pint per acre to control aphids, leafhoppers. Do not apply within 21 days of harvest for leaf lettuce and endive, 7 days of harvest on head lettuce.

ONIONS: Apply 1/2 to 1-1/2 pints per acre to control thrips. Do not apply within 15 days of harvest. By Air 1/2 pint per acre in water to cover.

PEAS: Apply 1 pint per acre to control pea aphid, pea moth. Reapply in 10-14 days if infestation warrants. Do not apply within 10 days of harvest. By Air 1/2 pint per acre in water to cover. Do not apply within 10 days of harvest.

PEPPERS: Apply 1 to 1 1/2 pints per acre to control aphids, serpentine leaf miners. Do not apply within 15 days of harvest. By Air 1/2 pint per acre in water to cover. Do not apply within 15 days of harvest.

POTATOES: Apply 1-2 pints per acre to control Colorado potato beetle, flea beetle, leafhoppers, serpentine leaf miner. Do not apply within 5 days of harvest. By Air 1-2 pints per acre in water to cover. Do not apply within 5 days of harvest.

RADISHES, SPINACH, SWISS CHARD: Apply 1 pint per acre to control aphids. Do not apply within 21 days of harvest on swiss chard, 15 days on spinach, radishes.

RICE: Apply 1/2 pint per acre to control tadpole shrimp. Restrict spill from rice field for 2 days following application. Do not spray over canals or laterals. Do not apply within 14 days before or after application of herbicide Stam F-34 or Rogue. Do not apply within 1 day of harvest.

SUGAR BEETS: Apply 1 to 1 1/2 pints per acre to control webworm, aphids. Do not apply within 15 days of harvest. By Air 1 pint per acre in water to cover.

TOMATOES: Apply 1-2 pints per acre to control Colorado Potato beetle, flea beetle, leafhopper, serpentine leafminer, grasshopper, whitefly. Do not apply within 10 days of harvest. By Air 1 to 2 pints per acre in water to cover. Do not apply within 10 days of harvest.

Preplanting Soil Treatment: Artichokes, Beans, Beets, Blackeyed Peas, Broccoli, Brussels Sprouts, Cabbage, Carrots, Cauliflower, Celery, Collards, Corn (sweet and pop), Endive, Eggplant, Escarole, Garlic, Kale, Kohlrabi, Lettuce (head, leaf and bibb), Melons, Okra, Onions, Peas, Peppers, Pumpkins, Radishes, Rutabagas, Spinach, Squash (summer and winter), Swiss Chard, Tomatoes, and Turnips. To control symphytans, springtails, and centipedes, apply 12 pints per acre in water to cover, work into top 3-6 inches of soil. Keep all persons and animals out of treated areas for 48 hours. Do not contaminate ponds or streams.



WEST SACRAMENTO, CALIFORNIA

PARATHION 4 LIQUID

EPA Reg. No. 1202-251-AA

DIRECTIONS FOR USE

See container label for first aid treatment, recommendations for safe use, storage and disposal, and PureGro conditions of sale and warranty.

Consult your State Department of Agriculture or local Agricultural Extension Service for information on the time interval between application and safe re-entry to the treated field.

BEST DOCUMENT AVAILABLE

4/84 DF

DIRECTIONS FOR USE

FRUITS AND NUTS

CITRUS: (Grapefruit, Kumquats, Lemons, Limes, Oranges, Tangeloes, Tangerines) For control of California Red, Yellow and Purple scales, use 1 pint per 100 gals. Use 2 pints per 100 for thrips. Use full-coverage, drench sprays. Do not apply within 30 days of harvest. Do not exceed 20 pints per acre.

APPLE: For control of codling moth, plum curculio, orange tortrix, San Jose, Forbes and scurfy scales, red-banded leaf roller (second and third brood), woolly apple aphid and mealy bug, use $\frac{1}{2}$ pint per 100 gallons. Apply at petal fall and every 10 to 14 days thereafter until control is achieved. **By Air:** 3 pints per acre in water to cover. Apple pests given below, when present, are also controlled. For control of bud moth, redbug, fruit tree leaf roller, rosy apple aphid, green apple aphid, red-banded leaf roller (first brood), European red mite, two spotted mite, Pacific mite, Schoen mite, Willamette mite, and clover mite use $\frac{1}{2}$ pint per 100 gallons. For certain mites such as two spotted and Willamette, repeat applications at 7-10 day intervals during the summer months. **By Air:** 2 pints per acre in water to cover. Repeat at 7 to 10-day intervals during summer months. The directions for control of mites named in label are applicable to other deciduous fruits such as peach, pear, prune and plum. Do not use over 10 pints per acre full coverage spray (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, Oriental fruit moth and tortrix, use $\frac{1}{2}$ pint to 1 $\frac{1}{2}$ pints per 100 gallons. Use $\frac{1}{2}$ pint per 100 gallons for bud moth, fruit tree leaf roller, spider mites and aphids as for apple. Apply at petal fall and every 10 to 14 days thereafter until control is achieved. Do not apply within 14 days of harvest. Do not apply until danger of bee poisoning has passed. Do not use over 7 pints per acre.

BLUEBERRIES: Apply 1 pint per acre to control thrips. Do not apply within 14 days of harvest.

BOYSENBERRIES, DEWBERRIES, LOGANBERRIES: Apply $\frac{1}{2}$ -2 pints per acre to control red spider mites. Do not apply within 15 days of harvest.

CHEERRIES: Black cherry aphid, eye-spotted bud moth, lesser apple worm, mites, shot hole borer and western cherry fruit fly, use $\frac{1}{2}$ pint per 100 gals. For fruit fly control, begin applications at fly emergence and repeat at 7 day intervals. Do not apply within 14 days of harvest. Do not apply over 4 pints per acre. Use as full coverage spray. **By Air:** 1 to 1 $\frac{1}{2}$ pints per acre in water to cover.

CRANBERRIES: Apply 1-2 pints per acre to control Lecanium scale crawlers. Apply when most crawlers have emerged. Do not apply within 30 days of harvest.

CURRENTS, GOOSEBERRIES: Apply 1 to 1 $\frac{1}{2}$ pints per acre to control aphids, red spider mites. Do not apply within 30 days of harvest on currants, 15 days on gooseberries.

DATES: Apply 1 to 1 $\frac{1}{2}$ pints per acre to control Inland beetles. Do not apply within 21 days of harvest.

FIGS: Apply 1 pint per 100 gallons to control fig scale. Use full coverage spray. Do not use over 5 pints per acre. Do not apply within 30 days of harvest.

GRAPES: Apply 1-3 pints per acre to control grape berry moth, grape vine aphid. Apply 2-3 pints per acre to control grape mealy bug, Japanese beetle, red-banded leaf roller. Apply $\frac{1}{2}$ pint per acre to control red spider mites. For a application use 1-1 $\frac{1}{2}$ pints per acre in water to cover to control leaf larder and $\frac{1}{2}$ pints per acre in water to cover to control red spider mites. Do not apply within 14 days of harvest.

MANGOES: Apply 1 pint per 100 gallons to control thrips. Do not apply within 21 days of harvest. Do not use over 6 pints per acre.

NECTARINES, PEACHES: 1 pint per 100 gals. for the control of plum curculio, Oriental fruit moth, San Jose scale, catfacing insects and 1 pint per 100 gals. water for the control of peach twig borer. Apply at petal fall and every 10 to 14 days thereafter until control is achieved. For the control of fruit tree leaf roller, cottony peach scale, green aphid and spider mites, use $\frac{1}{2}$ pint per 100 gallons. **Areas other than California**—do not apply over 8 pints per acre of Parathion. Full coverage spray for control of scale insect. Do not apply within 14 days of harvest. Do not apply more than 5 lbs. actual Parathion per acre for each year. **California**—Do not apply more than 5 pints per acre. 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.

PEAR: For control of pear blister mite, use $\frac{1}{2}$ pint per 100 gallons in pre-blossom spray. For pear psylla, use $\frac{1}{2}$ pint per 100 gallons either in pre-blossom or post-blossom sprays. Use dosages listed under apple for control of codling moth, mealy-bug, woolly aphid and certain spider mites. Under some conditions, injury may occur on Bosc pears in the Northeast. Do not apply within 14 days of harvest. Full coverage spray. Do not apply over 7 pints per acre.

PLUM AND PRUNE: For control of plum curculio, use $\frac{1}{2}$ pint per 100 gallons. For control of bud moth, mealy plum louse, tortrix, leaf roller, leaf hoppers, aphids and spider mites, use $\frac{1}{2}$ pint or $\frac{1}{4}$ pint per 100 gallons. Do not apply within 14 days of harvest. Full coverage spray for control of scale insects. Do not use over 8 pints per acre. **By Air:** 2 to 3 pints per acre in water to cover.

WALNUTS, ALMONDS: For control of aphids and red spider, $\frac{1}{2}$ -1 pint per 100 gallons water. Repeat at 7 to 10 days for red spider. Use $\frac{1}{2}$ gallon per acre for codling moth control (walnuts). Do not apply after husks open. Do not exceed 6 pints per acre on almonds, 20 pints per acre on walnuts.

VEGETABLES AND FIELD CROPS

ALFALFA, VETCH: Apply $\frac{1}{2}$ to $\frac{3}{4}$ pint per acre to control aphid, armyworms, grasshoppers, alfalfa weevil larvae. Do not apply within 15 days of harvest.

BARLEY, CLOVER, OATS, WHEAT: Apply $\frac{1}{2}$ to $\frac{3}{4}$ pint per acre to control aphid, armyworms, grasshoppers, alfalfa weevil larvae. Do not apply within 15 days of harvest.

ALFALFA SEED CROPS: Apply $\frac{1}{2}$ to 1 pint per acre to control alfalfa chalcids, alfalfa weevil larvae, aphids, armyworms, blister beetle, lygus, stink bugs. Do not use as feed or forage for dairy or beef animals.

ARTICHOKE: For plum moth and aphid control, use 1-2 pints per acre. Do not apply within 7 days of harvest.

BEANS: For control of Mexican bean beetle, leafhoppers, aphids, red spider, armyworm, leafroller, and leafminers, use $\frac{1}{2}$ to 1 $\frac{1}{2}$ pint per acre. Repeat applications at 7 to 10 day intervals until controlled. Do not apply within 15 days of harvest. Maximum dosage 1 $\frac{1}{2}$ pint per acre. **By Air:** 1 pint per acre in water to cover.

CARROTS: For control of aphids, use $\frac{1}{2}$ pint per 100 gallons. Apply 300 gallons per acre. Do not apply within 15 days of harvest. Do not use treated carrot tops for food or feed. Do not use over 2 pints per acre. **By Air:** $\frac{1}{2}$ pint per acre in water to cover.

CABBAGE, BROCCOLI, BRUSSELS SPROUTS, KALE, MUSTARD, CAULIFLOWER: For control of diamond back moth, imported cabbage worm and armyworm, 1 pint per acre, also for aphid and thrips control. Do not apply within 10 days of harvest. Maximum dosage 1 pint per acre. **By Air:** 1 pint per acre in water to cover.

CELERY: For control of celeryworms and aphids, use $\frac{1}{2}$ to 1 pint per acre. Do not apply within 21 days of harvest. **By Air:** $\frac{1}{2}$ to 1 pint per acre in water to cover.

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AUG 2 1984

Mr. Daniel P. Fray
Puregro Company
1276 Halyard Drive
West Sacramento, CA 95391

Dear Mr. Fray:

Subject: Puregro Parathion 4 Liquid
EPA Registration No. 1202-251
Submission Dated June 14, 1984

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.

The solvent is acceptable, but should be called "Xylene Range Aromatic Solvent" in the footnote where it is mentioned on the label.

Sincerely yours,

Jay S. Ellenberger
Product Manager (12)
Insecticide-Rodenticide Branch
Registration Division (75-767)

Enclosure

RL/IFD:Ellenberger:DCR-26567:WARG-0315k:adL:Faven:479-2013:7/25/84Del.8/10
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