



PARATHION 8E

EPA Reg. No. 1202-265-AA

DIRECTIONS FOR USE

See container label for first aid treatment, precautionary statements, 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.

2/84 DF

BEST DOCUMENT AVAILABLE

SUPPLEMENTAL USE — ONLY IN THE STATE OF NEVADA

E.P.A. SLN. NO. NV-800005

For control of MOSQUITOES in IRRIGATED PASTURE RICE, and ALFALFA Apply 1.6 fluid ounces per acre in sufficient water to cover (minimum of one gallon finished spray per acre) Application should only be made under the supervision of Abatement Districts and other official agencies Do not apply to water drainage areas when run-off drainage will contaminate lakes, ponds, or streams

E.P.A. SLN. NO. NV-820012

For control of THRIPS in ONIONS Apply 1/4 to 1/2 pint per acre If applying by air, 1/2 pint per acre in five gallons of water. Do not apply within 15 days of harvest

FOLLOW ALL PRECAUTIONS ON THE PRODUCT LABEL

SORGHUM: Apply 1/4 to 1 pint per acre to control European corn borer, armyworms Do not apply within 12 days of harvest or cutting for forage.

COTTON: Apply 1/4 pint per acre to control aphids, fleahoppers, garden webworms, red spider mites, 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 1/4 pint per acre to control aphids, leaf miners Do not apply within 15 days of harvest.

LETTUCE, ENDIVE: Apply 1/4 pint per acre to control aphids, fleahoppers Do not apply within 2* days of harvest for leaf lettuce and endive; 7 days of harvest on head lettuce

PEAS: Pea aphid, 1/2 pint per acre; pea moth, 1/4 to 1/2 pint per acre. Respray in 10 to 14 days if infestation warrants. By Air: 1/4 pint per acre in water to cover. Do not apply within 10 days of harvest.

PEPPERS: Apply 1/4 pint per acre to control aphids, 3/5 pint per acre for serpentine leaf miner By Air 1/4 pint per acre Do not apply within 15 days of harvest.

POTATOES: Apply 1/4 pint per acre to control Colorado potato beetle, flea beetle, fleahoppers, serpentine leaf miner. Do not apply within 5 days of harvest By Air 1/4 pint per acre in water to cover. Do not apply within 5 days of harvest.

RADISHES, SPINACH, SWISS CHARD: Apply 1/4 pint per acre to control aphids Do not apply within 21 days of harvest on swiss chard 15 days on spinach, radishes

RICE (Use restricted to California): Apply 1/10 pint per acre to control ledpole 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 Do not apply when bees are active

SUGAR BEETS: Apply 1/2 to 1/4 pint per acre to control webworm, aphids Do not apply within 21 days if treated tops are to be feed, 15 days if not to be feed. By Air 1/4 pint per acre in water to cover

TOMATOES: Apply 1/4 pint per acre to control Colorado potato beetle, flea beetle, fleahopper, serpentine leafminer, grasshopper, whitefly Do not apply within 10 days of harvest By Air 1/4 pint per acre in water to cover Do not apply within 10 days of harvest

DILUTION RATE: Unless otherwise specified, use 5 to 20 gallons per acre by aircraft and 20 to 50 gallons per acre by ground rig

DIRECTIONS FOR USE

FRUITS AND NUTS

Application schedule for orchard pests: codling moth, apple maggot, oriental fruit moth, plum curculio. Apply at petal fall and every 10 to 14 days thereafter until control is achieved.

CITRUS (Grapefruit, Kumquats, Lemons, Limes, Oranges, Tangelos, Tangerines) For control of California Red, Yellow, and Purple Scales, use $\frac{1}{2}$ pint per 100 gallons. Use 1 pint per 100 gallons for thrips. Use full-coverage, drench sprays. Do not apply within 30 days of harvest. Do not use more than 10 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. Do not apply within 14 days of harvest. By Air: 3 pints per acre in water to cover. Apple pests given below, when present, are also controlled. For control of eye spotted 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, Schoenii 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- to 10-day intervals during the summer months. By Air: 1 pint per acre in water to cover. Repeat at 7- to 10-day intervals during summer months. The directions for control of mites on apple are applicable to other deciduous fruits such as peach, pear, prune, and plum.

CAUTION: Injury to fruit and foliage may result from use of this material on McIntosh and related varieties. Do not use more than 6 pints per acre.

APRICOTS: For control of codling moth, oriental fruit moth, and tortrix, use $\frac{1}{2}$ pint per 100 gallons. Use $\frac{1}{2}$ pint per 100 gallons for eye spotted bud moth, fruit tree leaf roller, spider mites, and aphids as for apple. Do not apply within 14 days of harvest. Do not apply until danger of bee poisoning has passed. Do not use over $3\frac{1}{2}$ pints per acre.

BLACKBERRIES: Apply $\frac{1}{2}$ pint per acre to control red-necked cane borer. Do not apply within 15 days of harvest.

BLUEBERRIES: Apply $\frac{1}{2}$ pint per acre to control thrips. Do not apply within 14 days of harvest.

BOYSENBERRIES: Aphids, $\frac{1}{2}$ to $\frac{1}{4}$ pint per acre. Red spider mite, $\frac{1}{2}$ pint per 100 gallons. Do not apply within 15 days of harvest.

DEWBERRIES: Aphids, $\frac{1}{2}$ to $\frac{1}{4}$ pint per acre. Red spider mites, $\frac{3}{4}$ to $\frac{1}{2}$ pint per acre. Do not apply within 15 days of harvest.

LOGANBERRIES: Aphids, $\frac{1}{2}$ to $\frac{1}{4}$ pint per acre. Red spider mite, $\frac{1}{2}$ to $\frac{1}{4}$ pint per acre. Do not apply within 15 days of harvest.

CHERRIES: 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 gallons. 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 2 pints per acre. Use as full coverage spray. By Air: $\frac{1}{2}$ to 1 pint per acre in water to cover.

CRANBERRIES: Lecanium scale crawler, $\frac{1}{2}$ pint per acre. Apply when most crawlers have emerged. Do not apply within 30 days of harvest.

CURRENTS, GOOSEBERRIES: Aphids, $\frac{1}{2}$ to $\frac{1}{4}$ pint per acre. Spider mites, $\frac{1}{2}$ to $\frac{1}{4}$ pint per acre. Do not apply within 30 days of harvest on currants, 15 days on gooseberries.

FIGS: Apply $\frac{1}{2}$ pint per 100 gallons to control fig scale. Use full coverage spray. Do not use over 2 pints per acre. Do not apply within 30 days of harvest.

GRAPES: Grape berry moth, aphids (including grapevine aphid), mites (including spider mites, two-spotted spider mite), $\frac{1}{2}$ to 1 pint per acre. Japanese beetle, 1 pint per acre. Red-banded leaf roller, $\frac{8}{10}$ pint per acre. Mealybugs, $\frac{1}{2}$ to 1 pint per acre. Grape leaf folder, $\frac{1}{2}$ to 1 pint per acre. Do not apply within 14 days of harvest.

MANGOES: Apply $\frac{1}{2}$ pint per 100 gallons to control thrips. Do not apply within 21 days of harvest. Do not use over 3 pints per acre.

NECTARINES, PEACHES: Use $\frac{1}{2}$ pint per 100 gallons for the control of plum curculio, oriental fruit moth, San Jose scale, and catfacing insects, and $\frac{1}{2}$ pint per 100 gallons water for the control of peach twig borer. For the control of fruit tree leaf roller, cottony peach scale, green peach aphid and spider mites, use $\frac{1}{2}$ pint per 100 gallons. Areas other than California — do not apply over 4 pints per acre of Parathion. Full coverage spray for control of scale insects. Do not apply within 14 days of harvest. Do not apply more than 2 $\frac{1}{2}$ lbs. actual Parathion per acre for each year. California — do not apply more than 2 $\frac{1}{2}$ pints per acre. Do not apply within 21 days of harvest. Do not apply more than once after bloom. Do not apply more than 2 $\frac{1}{2}$ lbs. actual Parathion per acre between January 1 and harvest.

PEAR: For control of pear leaf blister mite, use $\frac{1}{2}$ pint per 100 gallons in pre-bloom spray. For pear psylla, use $\frac{1}{2}$ pint per 100 gallons either in pre-bloom or post-blossom sprays. Use dosages listed under apple for codling moth, mealybug, 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 3 $\frac{1}{2}$ pints per acre.

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

OLIVE: For control of parlatoria, oleander and black scales, use $\frac{1}{2}$ pint per 100 gallons, or $\frac{1}{2}$ pint with regular oil spray during June or July. No applications after August 1. Full coverage spray for control of olive scale. Do not apply over 5 pints per acre.

WALNUTS, ALMONDS: For control of aphids and red spider mite, $\frac{1}{2}$ pint per 100 gallons water. Repeat at 7 to 10 days for red spider mite. Use $\frac{1}{2}$ gallon per acre for codling moth control (walnuts). Do not apply after husks open. Do not exceed 2.6 pints per acre on almonds, 5 pints per acre on walnuts.

VEGETABLES

ARTICHOKE: For plume moth and aphid control, use $\frac{1}{2}$ pint per 100 gallons. Do not apply within 7 days of harvest. Maximum dosage $\frac{1}{2}$ pint per acre.

BEANS: For control of Mexican bean beetles, leafhoppers, aphids, red spider, armyworm, leafroller, and leafminers, use $\frac{3}{10}$ to $\frac{1}{2}$ pint per acre. Repeat applications at 7- to 10-day intervals until controlled. Do not apply within 15 days of harvest. By Air: $\frac{1}{2}$ pint per acre in water to cover.

CARROTS: For control of aphids, use $\frac{1}{2}$ pint per 100 gallons. Apply 200 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 $\frac{1}{2}$ pint per acre. By Air: $\frac{1}{2}$ pint per acre in water to cover.

CELERY: For control of celery looper, celery leaf tier, saltmarsh caterpillar, variegated cutworm and aphids, use $\frac{1}{2}$ to $\frac{1}{4}$ pint per acre. Do not apply within 21 days of harvest. By Air: $\frac{1}{2}$ to $\frac{1}{4}$ pint per acre in water to cover.

CUCUMBERS, MELONS, SQUASH, PUMPKINS: Apply $\frac{1}{2}$ to $\frac{1}{4}$ pint per acre to control aphids, cucumber beetle, melon worm, pickleworm, serpentine leaf miner. 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 — $\frac{1}{2}$ pint per acre in water to cover.

CORN: Apply $\frac{1}{2}$ pint per acre to control European corn borer. Consult your State Agricultural Experiment Station for proper timing of treatments. $\frac{1}{2}$ to $\frac{1}{4}$ pint per acre to control armyworms. Do not apply within 12 days of harvest or cutting for forage.

BEST DOCUMENT AVAILABLE

AUG 3 1984

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

Dear Mr. Fray:

Subject: Puregro Parathion GE
EPA Registration No. 1202-265
Submission Dated June 13, 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.

However, the parathion content indicated on the Confidential Statement of Formula does not quite meet the label claim. According to our calculations the maximum label claim is 80.2% (rounded from 80.248).

Sincerely yours,

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

Enclosure

RD/IRD:Ellenberger:DCR-28567:WANG-0315K:adb:Raven:479-2013:7/25/84del.8/10
/84

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SEARCHED	SERIALIZED	INDEXED	FILED	DATE	TIME	OFFICE	AGENT

EPA Form 100-4-84

OFFICIAL FILE COPY

ACCEPTED
BY THE STATE DEPARTMENT OF AGRICULTURE
IN THE COUNTY OF LOS ANGELES

1209 265

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**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 accident or spill, 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 book 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 Mine Safety and Health 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
CERTIFIED APPLICATOR'S CERTIFICATION



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 amablemente.

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 turning 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 immersion. If patient is not breathing GET MEDICAL ATTENTION IMMEDIATELY. IF SWALLOWED: Call a physician and induce vomiting by touching anything by mouth to air unless told otherwise. 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. Repeat at 5 to 10 minute intervals. Also, antidotal and may be administered MORPHINE OR TRANQUILIZER. Central and peripheral nervous system. At first sign of pulmonary edema, treat symptomatically. Coma have been reported after initial treatment. IS INDICATED FOR AT LEAST 48 HOURS.

**LOS ANGELES POISON CONTROL CENTER: (213) 644-2121
SEE LEFT SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS**

DISTRIBUTED BY



EMERSON LABORATORIES, INC.
P.O. BOX 1000, CHICAGO, ILL. 60601

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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 here on 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.



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RQ Parathion Mixture, Liquid
NA 2783

USE ONLY ACCORDING TO DIRECTIONS

LOT NO

DATE