

PM-14 8660-49

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The Andersons
d/b/a Parker Fertilizer Company
201 4th Street
Sylacauga, AL 35150

Gentlemen:

Subject: 55% Malathion Concentrate
EPA Registration No. 8660-49
Malathion Grain Protectant
EPA Registration No. 8660-55
5% Malathion Dust
Patterson's Greenup 5% Malathion Dust
EPA Registration No. 8660-57
Your Labels Submitted July 24, 1992

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the revised labeling:
 - a. Change you Environmental Hazard statements on your EPA Registration No. 8660-57 to read as follows:

This pesticide is toxic to fish, aquatic invertebrates, and aquatic life stages of amphibians. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in areas near the application site. Do not contaminate water when disposing of equipment washwaters.

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This product is highly toxic to bees exposed to direct treatment on blooming crops of weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

Update the statement "Do not apply directly to water or Wetlands (i.e., swamps, bogs, marshes, and potholes)" appearing on your EPA Registration No. 8660-49 product to read as follows:

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark.

c. For your 8660-49 product, reinstate the claims for use on pears as it appeared on your labeling accepted April 21, 1989. As described in the enclosed copy of PR Notice 91-1, the Agency may not approve deletion of uses until 90 days after *Federal Register* publication of notice of receipt. Your request for deletion of uses must be submitted as a separate amendment in accordance with the procedures of the enclosed PR Notice.

d. Add the appropriate practical treatment statements to your labels for the products under EPA Registration No. 8660-57 and 8660-55 for the various routes of exposure as cited on your product label for EPA Registration No. 8660-49; i.e.,

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center immediately. Induce vomiting by giving victim 1 or 2 glasses of water and touching back of throat with finger. Never give anything by mouth to an unconscious or convulsing person.

IF ON SKIN: Wash thoroughly with soap and warm water.

IF IN EYES: Flush with plenty of water. Get medical attention.

IF INHALED: Remove victim to fresh air at once. Get medical attention.

NOTE TO PHYSICIAN: Malathion, upon repeated use, may cause cholinesterase inhibition. Atropine is antidotal.

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- e. Delete the words "prolonged" and "repeated" from the following statements appearing on your 8660-57 and 8660-55 product labels:

Avoid prolonged breathing of dust.
Avoid prolonged or repeated contact with skin or clothing.
Avoid repeated and prolonged contact with skin.

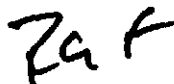
2. Submit your updated Confidential Statement of Formula showing the correct EPA Registration No. for the malathion used to formulate your subject products. The current registered label for the product listed on your CSP as your source of malathion does not include use in the formulation of end-use products.
3. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

You are reminded that you must submit your application for amended registration to remove those uses not being supported as specified in the letter of June 15, 1992 addressed to all registrants of malathion products. A copy of that letter is enclosed for your reference. Failure to do so will result in a Notice of Intent to Suspend for your product.

Sincerely yours,



Robert A. Forrest
Product Manager (14)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosures

PH14

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ACCEPTED
with COMMENTS
in EPA Letter Dated

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(FRONT PANEL)

Under the Insecticide, Fungicide, and Rodenticide Act as amended, this pesticide registered under EPA Reg. No. 8660-49

VERTAGREEN®
55% MALATHION®
CONCENTRATE
PREMIUM GRADE

For Household Insects, Fleas on Dogs & Cats,
Ornamental Pest Control, Fruit Insect Control,
Vegetable Gardens, Citrus, Livestock Pests, Stored Grain, Peanuts

ACTIVE INGREDIENT:

Malathion (O,O-dimethyl phosphorodithioate of diethyl mercaptosuccinate) 55.00%

INERT INGREDIENTS*: 45.00%

Total 100.00%

*Contains Xylene Range Aromatic Solvent
Contains CYTHION® Insecticide "The Premium Grade Malathion®" - Registered Trademarks - American Cyanamid Company

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE BACK PANEL FOR ADDITIONAL PRECAUTIONS

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center immediately. Induce vomiting by giving victim 1 or 2 glasses of water and touching back of throat with finger. Never give anything by mouth to an unconscious or convulsing person. This product contains an aromatic petroleum solvent. Treat symptomatically.
IF ON SKIN: Wash thoroughly with soap and warm water.
IF IN EYES: Flush with plenty of water. Get medical attention.
IF INHALED: Remove victim to fresh air at once. Get medical attention.
NOTE TO PHYSICIAN: Malathion, upon repeated use, may cause cholinesterase inhibition. Atropine is antidotal.

NET CONTENTS 1 GALLON

(BACK PANEL)

NET CONTENTS 1 GALLON.

VERTAGREEN®

55% MALATHION®

CONCENTRATE

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed. Avoid breathing of spray mist or vapors. Avoid contact with skin. Wash thoroughly after handling and before eating or smoking. Do not contaminate feed and foodstuffs. Do not apply to animals or in dwellings.

RE-ENTRY AND WORKER SAFETY STATEMENT

Use only with adequate ventilation. After using this product indoors, ventilate thoroughly before occupying enclosed spaces. Do not allow contact with treated surface until sprays have dried. 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 without protective clothing until sprays have dried.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, and aquatic life stages of amphibians. Do not apply directly to water or wetlands (i.e., swamps, bogs, marshes, and potholes). Drift and runoff may be hazardous to aquatic organisms in areas near the application site. Do not contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, spill or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

HOW TO MIX

INSECTS

AMT. CONCENTRATE PER QUART OF WATER

FLEAS

Contact Spray	1 teaspoonful per quart
Residual Spray	3 teaspoonfuls per quart
On Dogs & Cats	1-1/2 teaspoonful per quart
Animal Quarters	3 teaspoonfuls per quart

LICE

Residual Spray	3 teaspoonfuls per quart
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BROWN DOG TICK

Residual Spray	3 teaspoonfuls per quart
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**ANTS, CLOVER MITES, CRICKETS,
EARWIGS, PANTRY PESTS (SAW-
TOOTHED GRAIN BEETLE, RICE WEEVIL,
DERMESTIDS, INDIAN MEAL MOTH LARVAE),
ROACHES, SCORPIONS, SILVERFISH, SPIDERS**

4 teaspoonfuls per quart

Note: 3 teaspoonfuls = 1 tablespoonful

After mixing, apply as a coarse wet mist. Thoroughly clean, sweep and vacuum all areas possible before spraying. Remove dead insects afterwards.

IN THE HOME - FLEAS, LICE AND BROWN DOG TICKS: Thoroughly treat areas where insects may enter or congregate such as door sills, window frames, baseboards, closets, storage cabinets, openings around water pipes, in the home or other buildings. Treat pet sleeping quarters and adjacent areas of floor and carpeting. Replace animal quarters w' h fresh bedding after treatment.

BEDBUGS: Mix 3 teaspoonfuls in 1 quart of deodorized base oil (Kerosene). Apply lightly to mattress surfaces in sufficient quantities to mist the fabric and generously to beds and woodwork with special attention to wet all possible hiding places. Do not contaminate food utensils, milk, milk equipment or water. Repeat applications as needed for insect control.

IN AND AROUND HOMES, DAIRIES, & FOOD PROCESSING PLANTS: For the insects as listed above in chart, mix as indicated and apply to window frames, baseboards, under sinks, drainboards, stoves, cracks and crevices and other areas where insects may breed and hide. Repeat as needed for control.

FLEAS ON DOGS AND CATS: Mix as indicated above and thoroughly wet animals by a hand sprayer or sponge bathing. Animals that run outside may need to be retreated in 2 to 3 weeks. Examine for Fleas before retreating. Do not treat animals under one month of age. Wear rubber gloves when treating animals.

FLEAS AND TICKS IN ANIMAL QUARTERS: Mix as indicated above and spray kennels, pens, yards, and under houses and porches to control Ticks and Fleas. Apply one quart ready-to-use spray to cover approximately 250 sq. ft. Treat runways, soil and grass thoroughly. Replace treated bedding with fresh bedding. Remove manure and refuse.

LIVESTOCK PEST CONTROL

BEEF CATTLE, GOATS, AND NON-LACTATING DAIRY ANIMALS - Lice, Ticks and Horn Flies: Mix 1 gal. of this product in 100 gals. of water and, using a power sprayer, apply thoroughly to animals with enough pressure to part the hair. Small dilution rate - 6-1/2 oz. in 5 gals. of water. NOTE - Do not treat during lactation or within 2 weeks of freshening. Do not apply to calves under one month of age. Repeat treatment if needed at two week intervals.

SWINE - For Lice, mix 1 gal. of this product in 100 gals. of water (6-1/2 oz. per 5 gals. of water). Apply with a power sprayer as a complete spray to animals, pens, and litter. One treatment may be sufficient. Repeat only as needed. Do not contaminate feed, food containers or watering troughs. Treated animals should be kept out of sun and "weather" for a few hours after treatment.

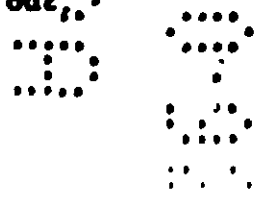
STORED GRAIN

INSECTS CONTROLLED - Cereal Leaf Beetle, Confused Flour Beetle, Flat Grain Beetle, Granary Weevil, Indian Meal Moth, Lesser Grain Beetle, Red Flour Beetle, Rice Weevil, Rusty Grain Beetle, Sawtoothed Grain Beetle.

PROTECTION OF STORED GRAIN - Wheat, Oats, Rice, Corn, Rye, Barley and Grain Sorghum: Mix 1 pint of this product in 2 to 5 gals. of water to spray treat each 1,000 bushels of grain as it is being loaded or turned into final storage.

PROTECTION OF FIELD OR GARDEN SEEDS: Mix 1/2 pint of this product with 1 to 2-1/2 gals. of water to spray each 1,000 sq. ft. of grain surface after the bin is filled. Repeat within 2 weeks if needed.

EMPTY BINS: Thoroughly clean inside and out by sweeping up old grain and removing refuse and debris. Mix 1 gal. of this product in 25 gallons of water. Spray walls, ceilings, floors, augers and machinery by forcing spray into cracks and crevices where insects may hide. This applies also to truck beds, boxes, and ships' holds. Spray to the point of run-off, inside and out.



PROTECTION OF STORED PEANUTS: For list of insects see paragraph above under **INSECTS CONTROLLED.** **RESIDUAL WAREHOUSE SPRAY (BEFORE STORING PEANUTS):** Clean warehouse thoroughly of trash and old remains of peanuts 1 to 2 weeks before new peanut crop is stored. Thoroughly spray with sufficient pressure, interior of empty warehouse (including cracks and protected places), outside walls to height of 6 to 8 feet and the ground to a distance of about 6 feet from warehouse by mixing 1 pint of this product in sufficient amount of water to make 2-1/2 gals. of spray or mix 1 gal. in 19 gals. of water. Apply finished spray at the rate of 2 gals. per 1,000 sq. ft. or to point of run-off.

BULK SPRAY TREATMENT (PEANUTS GOING INTO STORAGE): Apply 1-1/2 pints of this product in 5 gals. of water per 15 tons of farmers' stock peanuts, as they go into storage. Apply coarse spray uniformly. Preferably use suitable mechanical spray applicator which regulates rate of application to flow of peanuts. Otherwise, adjust pressure and size of nozzle opening to rate of flow of peanuts. Shield the nozzles from wind and air currents.

SUPPLEMENTAL SURFACE SPRAY: After the warehouse has been filled, level surface of peanuts before spray. Refer to Directions of Use on 25% Wettable Powder Malathion product for direction and spraying directions. This treatment should be used in conjunction with the regular spray of the emulsifiable concentrate as outlined on this label.

FRUIT INSECT CONTROL

APPLES - Aphids, Bud Moth, Forbes Scale, Codling Moth, Plum Curculio, Red-Banded Leaf Roller, and Spider Mites: Mix 2 tsp. in 1 gal. of water (1-1/2 pints per 100 gals.). Make two or more applications for Mites and one or more for Aphids. Do not apply later than 3 days before harvest. This product may injure Cortland and McIntosh varieties in summer sprays.

GRAPES - Leaf Hoppers, Spider Mites, Mealybugs: Use 1 tsp. in 1 gal. of water (1 pint in 100 gals. of water). Do not apply later than 3 days before harvesting. May cause injury to foliage of certain varieties. Check with local Agricultural authorities.

CHERRIES - Black Cherry Aphids and Fruit Tree Leaf Rollers: Mix 1 tsp. in 1 gal. of water and thoroughly spray trees. Do not apply later than 3 days before harvest. May injure foliage in some varieties.

PEACHES - Spider Mites, Oriental Fruit Moth, and Plum Curculio: Mix 2 tsp. in 1 gal. of water. Spray when damage is first seen or is anticipated. Do not apply later than 7 days before harvest.

PLUMS & PRINES - Mealy Plum Aphids: Use 1 tsp. in 1 gal. of water. Treat when insects first appear. Do not apply later than 3 days before harvest.

STRAWBERRIES - Spider Mites and Aphids: Use 1 tsp. per gal. of water (1 pint per 100 gals. of water). Treat when insects first appear. Do not apply later than 3 days before harvest.

NOTE: Do not apply when fruit is in bloom and bees are present. Plan on regular spray applications to fruit at 1 to 2 week intervals through the growing season to get best insect control.

PECANS - Spider Mites, Aphids, Pecan Nut Casebearer and Pecan Phylloxera: Dilute 2 pints in 100 gals. of water (2 tsp. per 1 gal.) and apply with a pressure sprayer. Treat when insects are first seen or their damage is anticipated. Follow a spray schedule.

CITRUS INSECT CONTROL

CITRUS - For use on Grapefruit, Kumquats, Lemons, Limes, Oranges, Tangerines, and Tangelos. For control of Black Scale, California Scale, Citricola Scale, Soft Scale and Yellow Scale: Use 1 to 1-1/2 pints per 100 gals. of water. For control of Florida Red & Purple Scale and Mediterranean Fruit Fly use 2 pints per 100 gals. of water. For Thrips and Aphids, use 1-1/2 pints per 100 gals. (This spray will also suppress Spider Mites that may be present).

Apply sprays to give thorough coverage of fruit and the upper and lower sides of leaves and twigs when insects are present or their damage is eminent. Do not apply when trees are in bloom or within 7 days of harvest.

ORNAMENTAL PEST CONTROL

Use on a wide range of plants and insects as listed, however, do not apply to Boston, Pteris or Maidenhair Ferns, Viburnum, Lantana, Crassula, Canaerti Junipers, Petunias, or small leaf Spirea since injury may result. The proper use of a spreader sticker will enhance insect control, especially with scale. Treat when insects are first seen and damage is anticipated.

For control of Lace Bugs and Oyster Shell Scale: Use 1 pint per 100 gals. water (1 tsp. per gallon). Apply when Scale Crawlers have settled on foliage.

For Aphids, Spider Mites, Mealybugs, Whiteflies, European Pine Shoot Moth, Four-lined Leaf Bug, Japanese Beetles, Potato Leafhopper, Rose Leafhopper, Tarnished Plant Bug, Thrips, and Euonymous Scale: Use 1-1/2 pints per 100 gals. water (2 tsp. per gallon).

For Bagworms, Birch Leaf Miner, Boxwood Leaf Miner, Oak Kermes, Tent Caterpillar, Scale insects such as: Azalea, Magnolia, Pine Leaf Scale, Fletchers, Florida Red Scale and Juniper Scale: Use 2 pints per 100 gals. water (2 tsp. per gallon).

For Black Scale Crawlers, Monterey Pine Scale, and Soft Scale: Use 2-1/2 pints per 100 gals. water (2 tsp. per gallon.)

For Pine Needle Scale and Wax Scale: Use 4 pints per 100 gals. of water (4 tsp. per gallon). Apply in the spring when crawlers are active. Repeat: 1 to 2 full-coverage sprays at 10-day intervals.

VEGETABLE GARDEN INSECTS

Thoroughly spray plants particularly the under sides of leaves and the developing fruit. Mix the per acre rate in 100 gals. and apply to one acre. Use approximately 1 gallon of the ready-to-use spray per 500 sq. ft. of garden plants for the small dilution rate. Treat plants when insects are first seen and damage is noticed. Do not spray later than days shown until harvest.

BEANS - Aphids, Spider Mites, Cucumber Beetles, Leaf Hoppers: Use 2 tsp. per gallon - 2 pints per acre - 1 day to harvest.

CELERY - Aphids, Spider Mites: Use 2 tsp. per gallon - 1-1/2 pints per acre - 7 days to harvest.

CUCUMBERS, SQUASH AND MELONS - Aphids, Spider Mites, Cucumber Beetle, Leafhoppers: Use 2 tsp. per gallon - 1-1/2 to 2 pints per acre - 1 day to harvest. No not apply unless plants are dry.

CABBAGE, BROCCOLI, KALE, MUSTARD, TURNIPS, & HEAD LETTUCE - Aphids, Imported Cabbage Worms, Cabbage Looper, Leaf Hopper: Use 2 tsp. per gallon - 2 pints per acre - 7 days to harvest.

EGGPLANT - Aphids, Spider Mites: Use 1 tsp. per gallon - 1 pint per acre - 3 days to harvest.

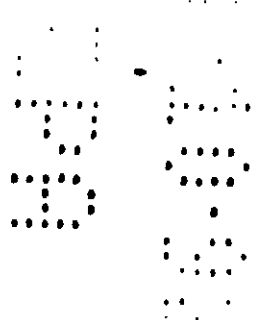
ONIONS - Thrips: Use 2 tsp. per gallon - 1-1/2 pints per acre - 3 days to harvest.

PEPPERS - Aphids: Use 1 tsp. per gallon - 1 pint per acre - 3 days to harvest.

POTATOES - Aphids, Leaf Hoppers, Mealybugs: Use 1 tsp. per gallon - 1 pint per acre - No waiting time until harvest.

RADISHES - Aphids: Use 2 tsp. per gallon - 2 pints per acre - 7 days to harvest.

TOMATOES - Aphids, Spider Mites: Use 2 tsp. per gallon - 1-1/2 pints per acre - 1 day to harvest.



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STORAGE AND DISPOSAL

FOR HOMEOWNER USE ONLY:

Do not contaminate water, food or feed by storage and disposal. Keep container closed and away from food, feedstuffs and domestic water supplies. **PESTICIDE DISPOSAL:** Securely wrap original container in several layers of newspaper and discard in trash. **CONTAINER DISPOSAL:** Do not reuse bag. Discard bag in trash.

FOR PROFESSIONAL/COMMERCIAL USE ONLY:

Do not contaminate water, food or feed by storage and disposal. Keep container closed and away from food, feedstuffs and domestic water supplies. **PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate, is a violation of Federal Law and may contaminate groundwater. If these wastes cannot be disposed of by use according to label instruction, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for Guidance. **CONTAINER DISPOSAL:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State or local authorities, by burning. If burned, stay out of smoke.

WARRANTY STATEMENT

MANUFACTURER warrants that this product (1) conforms to the ingredient statement on the label and (2) is reasonably fit for the purposes set forth in the Directions for Use. **EXCEPT AS SO WARRANTED, THE PRODUCT IS SOLD AS IS. MANUFACTURER MAKES NO OTHER WARRANTY EXPRESS OR IMPLIED.**

The manufacturer's directions regarding use of this product are based upon tests believed to be reliable. All statements made concerning this product apply only when used as directed, under normal use conditions. **FOLLOW DIRECTIONS CAREFULLY.** Timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the manufacturer. Buyer assumes all risks of use, storage or handling of this product.

Manufactured by:

**PARKER FERTILIZER CO.
201 4TH STREET
SYLACAUGA, AL 35150**

Date Printed: 06/10/92
Date Approved:
Supersedes:
Label Change:

