

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (75-767)
WASHINGTON, DC 20460

EPA REGISTRATION NO.

59144-1

DATE OF ISSUANCE

6/8/90

TERM OF ISSUANCE

NAME OF PESTICIDE PRODUCT

Malathion 50% Insect Spray

NOTICE OF PESTICIDE: REGISTRATION
 REREГИSTRATION

(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

GRO Tac Inc.
P.O. Box 290
Madison, GA 30650

160
18
265,396
1

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec 3(c)(7)(C) provided that you

1. Submit and/or cite all data required for registration or reregistration of your product under FIFRA sec 3(c)(7)(C) when the Agency requires all registrants of similar products to submit such data.
2. Add the phrase "EPA Registration No. 59144-1" to your label before you release the product for shipment.
3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-711 Manual for a further description of final printed labeling.

If these conditions are complied with, the registration of this product is subject to cancellation in accordance with FIFRA sec 3(c)(7)(C) if the use of the product constitutes a violation of these conditions.

A statement of the label is enclosed for your records.

BEST AVAILABLE COPY

William H. Miller
Product Manager (111)
Insecticide/Rodenticide Branch
Registration Division (7504C)

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

William H. Miller

DATE

6/8/90

DISCONTINUED

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **STORAGE:** Store product in its original labeled container in a cool, dry, locked place out of reach of children. **PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved wastes disposal facility. **CONTAINER DISPOSAL:** GLASS- Triple rinse (or equivalent). Then dispose of in a sanitary landfill or by other approved State and local procedures. METAL- 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. **HOUSEHOLD:** Do not reuse empty container. Wrap in several layers of newspaper and discard in trash.

NOTICE: This product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use. Manufacturer is not responsible for the use of this product contrary to the label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to the manufacturer and/or seller, and buyer assumes the risk of any such use.

IMPORTANT NOTICE FOR HOUSEHOLD USE

Read Before Applying This For Household Insect Control: The solvent in this product may stain certain fabric, plastic, rubber and asphaltic materials such as tiles, carpet, and floor coverings. Avoid treating them or treat a very small inconspicuous area first to see if the material is affected by the spray. If unaffected treat them sparingly and clean area after the insecticide has dried. Otherwise do not treat. Use only with adequate ventilation. After using this product indoors, ventilate thoroughly before occupying enclosed spaces. Do not allow contact with treated surfaces until sprays have dried.

HOUSEHOLD INSECTS INSIDE DWELLINGS

INSECTS	AMOUNT OF MALATHION 50% PER QUART OF WATER
FLEAS: Contact Spray (See Below for How To Apply)	1 teaspoonful / Qt.
Residual Spray	3 teaspoonfuls / Qt.
On Dogs & Cats	1 1/2 teaspoonfuls / Qt.
Animal Quarters	3 teaspoonfuls / Qt.
LICE & BROWN DOG TICKS:	
Residual Spray	3 teaspoonfuls / Qt.
ANTS, CLOVER MITES, CRICKETS, EARWIGS, PANTRY PESTS (Sawtoothed Grain Beetles, Rice Weevils, Dermestids, Indian Meal Moth larvae), ROACHES, SCORPIONS, SILVERFISH AND SPIDERS. (See Below for How To Apply)	4 teaspoonfuls / Qt.

After mixing the spray apply as a coarse wet mist. Thoroughly clean, sweep and vacuum all areas before the treatment and also after the area has been ventilated and the spray has dried.

HOW TO APPLY: For 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 (see IMPORTANT NOTICE FOR HOUSEHOLD USE). Replace quarters with fresh animal bedding after treatment. For Bedbugs, mix 3 teaspoonfuls in 1 quart of Dabbase Kerosene. Apply lightly to mattress surfaces in sufficient quantities to mist the fabric, the bed, and framework making sure to wet all possible insect hiding places. Repeat applications as needed for insect control.

FOR FLEAS ON DOGS AND CATS

Mix as indicated in the chart and thoroughly wet the animal using a hand "Trigger" sprayer or by sponge bathing. Animals that run outside may need to be retreated in 2 to 3 weeks. Examine for Fleas before re-treating. Do not treat animals under one month of age. Wear rubber gloves to protect against contact with spray mix when treating animals. **FOR ANIMAL QUARTERS:** Mix as for a "residual spray" (3 tsp./Qt. of water) and treat kennels, pens, yards, and under houses or porches for Fleas and Brown Dog Ticks. Apply 1 quart of ready to use spray to cover approximately 250 sq. ft. of surface. Wash and replace treated bedding. Out-of-doors, thoroughly treat pet runways and surrounding soil and grass.

FRUIT INSECT CONTROL

To protect most fruit a regular spray schedule should be set at 10 to 14 day intervals after the trees have bloomed and the small fruit has formed. Consult your local Agricultural Extension Service for spray schedules and proper timing of applications for your locality.

APPLES: To control Aphids, Bud Moth, Forbe Scale, Coding Moth, Plum Curculio, Red Banded Leafhopper and Spider Mites, mix 2 teaspoonfuls in 1 gallon of water. Make two or more applications for mites and one or more for aphids spaced at 7 to 10 day intervals or as a "trigger spray" for "trigger spray". Do not apply later than 3 days before harvest. This product may injure Citrus and other trees in summer sprays.

GRAPES: For Leafhoppers, Spider Mites and Mosy Shrub, mix 1 teaspoonful in 1 gallon of water. Do not apply later than 3 days before harvest. May cause injury to foliage of certain varieties. As a first spray several leaves of the plant first and observe in 2-4 days. If no damage occurs proceed with sprays.

CHERRIES: For Black Cherry Aphids and Fruit Tree Leafhoppers, mix 1 teaspoonful in 1 gallon of water and thoroughly spray trees. Do not apply later than 3 days before harvest. May injure foliage in some varieties. Before making complete cover spray applications, test spray on a few leaves.

MALATHION 50%

INSECT SPRAY

FOR HOUSEHOLD INSECTS - FLEAS ON DOGS AND CATS -
ORNAMENTAL PEST CONTROL - FRUIT INSECT CONTROL - VEGETABLE
GARDENS - LIVESTOCK PEST CONTROL - STORED GRAINS -
CITRUS INSECT CONTROL - PEANUTS IN STORAGE - FLOWER GARDENS
GREENHOUSE VEGETABLES - MUSHROOMS

ACTIVE INGREDIENT:

Malathion: O,O dimethyl phosphorodithioate
of diethyl mercaptosuccinate - - -

INERT INGREDIENTS: * - - - - - 50.0%
Total 100.0%

Contains "CYTHON Insecticide" "The Premium Grade Malathion"
Registered Trade Marks American Cyanamid Company

KEEP OUT OF REACH OF CHILDREN CAUTION

STATEMENTS 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. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

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

IF ON SKIN: Remove contaminated clothing and wash affected area with soap and water. Get medical attention if irritation persists.

IF INHALED: Remove victim to fresh air and apply artificial respiration if indicated. Get medical attention.

NOTE TO PHYSICIAN: Malathion upon exposure may cause cholinesterase inhibition. Atropine is antidotal. *Product contains aromatic solvent which may present aspiration hazard. Gastric lavage indicated if product was swallowed.

SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA REG. NO. 58144-

EPA EST. NO. 58144-GA-1

NET CONTENTS 1 QUART

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Avoid breathing spray mist or vapors. Avoid contact with skin. Wash thoroughly after handling and before eating or smoking. Avoid contamination of feed and foodstuffs. Do not treat areas frequented by children and do not allow children in treated areas until the spray has 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. **NOTE TO PHYSICIAN:** Malathion upon exposure may cause cholinesterase inhibition. Atropine is antidotal.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates and aquatic life stages of amphibians. Do not apply directly to water or wetlands (e.g. 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

Keep away from fire. Do not use near heat or open flame.

DIRECTIONS FOR USE

Do not apply this product in a manner inconsistent with its labeling. Do not apply this product through any type of irrigation system.

GRO TEC, INC.

P.O. BOX 290
MADISON, GA 30650

MALATHION 50%

INSECT SPRAY

FOR HOUSEHOLD INSECTS - FLEAS ON DOGS AND CATS -
 ORNAMENTAL PEST CONTROL - FRUIT INSECT CONTROL -
 VEGETABLE GARDENS - LIVESTOCK PEST CONTROL - STORED
 GRAINS - CITRUS INSECT CONTROL - PEANUTS IN STORAGE -
 FLOWER GARDENS - GREENHOUSE VEGETABLES - MUSHROOMS

ACTIVE INGREDIENT:

Malathion: O,O dimethyl phosphorodithioate
 of diethyl mercaptosuccinate - - - 50.0%

INERT INGREDIENTS: - - - - - 50.0%

Total 100.0%

Contains "CYTHON Insecticide" "The Premium Grade Malathion"
 Registered Trade Mark American Cyanamid Company

KEEP OUT OF REACH OF CHILDREN CAUTION

STATEMENTS OF PRACTICAL TREATMENTS

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. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

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

IF ON SKIN: Remove contaminated clothing and wash affected area with soap and water. Get medical attention if irritation persists.

IF INHALED: Remove victim to fresh air and apply artificial respiration if indicated. Get medical attention.

NOTE TO PHYSICIAN: Malathion upon exposure may cause cholinesterase inhibition. Atropine is antidote. Product contains an aromatic solvent which may present aspiration hazard. Gastric lavage indicated if product was swallowed.

SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA REG. NO. 50144-

EPA EST. NO. 50144-GA-1

NET CONTENTS 1 GALLON

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Avoid breathing spray mist or vapors. Avoid contact with skin. Wash thoroughly after handling and before eating or smoking. Avoid contamination of feed and foodstuffs. Do not treat areas frequented by children and do not allow children in treated areas until the spray has 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. **NOTE TO PHYSICIAN:** Malathion upon exposure may cause cholinesterase inhibition. Atropine is antidote.

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

Do not apply this product through any type of irrigation system.

NOTICE: This product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions and in normal conditions of use. Manufacturer is not responsible for the use of this product contrary to the label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to the manufacturer and/or seller, and buyer assumes the risk of any such use.

04-01-90

GRO TEC, INC

P.O. BOX 290
 MADISON, GA 30650

BEST AVAILABLE COPY

ACCEPTED

JUN 08 1995

Under the Federal Insecticide, Fungicide, and Rodenticide Act, the Administrator of the EPA has determined that this pesticide is in compliance with the Act. EPA Reg. No. 59144-1

ONLY AS A CRACK AND CREVICE TREATMENT

For control of insects as listed in the chart under HOUSEHOLD INSECTS INSIDE DWELLINGS, (found on the basic label affixed to the container), 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. Do not contaminate milk, milking equipment or utensils. Do not use in edible product areas of food processing plants, restaurants, or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed. Not for use in USDA meat and poultry plants.

LIVESTOCK PEST CONTROL

BEEF CATTLE, GOATS, AND NON-LACTATING DAIRY ANIMALS: For control of Lice, Ticks and Horn Flies mix @ 1/2 ounces in 5 gallons of water and with the use of a power sprayer apply thoroughly to animals with enough pressure to part the hair. **NOTE:** Do not treat during lactation or within 2 weeks of freshening. Repeat treatment if needed at two week intervals.

SWINE: For Lice mix @ 1/2 ounces in 5 gallons 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, food containers nor watering troughs. Treated animals should be kept out of the sun and weather for a few hours after treatment.

CONTROL OF STORED GRAIN INSECTS

CONTROLS: 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, and Cadella.

PROTECTION OF STORED GRAIN AND MIXING RATE: For Wheat, Oats, Rice, Corn, Rye, Barley and Grain Sorghum. Mix 1 pint in 2 to 5 gallons of water to spray each 1,000 bushels of grain as it is being loaded or turned into final storage. This is best done by moving the sprayer nozzle over a conveyor belt and adjusting the flow to the movement of the grain.

PROTECTION OF FIELD OR GARDEN SEEDS: Mix 1/2 pint in 1 to 2 1/2 gals of water to spray treat 500 bushels of seed at the time it is being turned into final storage.

SURFACE TREATMENT FOR INDIAN MEAL MOTH LARVAE: Mix 1/2 pint in 1 to 2 gallons of water to spray treat 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 pint in 3 gallons of water and spray treat walls, ceilings, floors, augers and machinery by forcing spray into cracks and crevices where insects may hide. Also apply to truck beds, boxcars, and any other mobile unit used for the movement of grain. Spray to point of run-off.

PEANUT STORAGE - EMPTY BINS: For control of listed insects in empty storage bins 1 to 2 weeks prior to filling, clean inside and out, sweeping up old trash and refuse. Mix 1 pint in 2 1/2 gallon of and thoroughly spray walls inside and out to a height of 6 to 8 feet and the surrounding ground premises 4 to 8 feet from the bin. Apply to point of spray run-off.

PROTECTION OF PEANUTS GOING INTO STORAGE: Mix 2 1/2 pints in 5 gallons of water to treat 15 tons of farmers' stock peanuts as they go into storage. Apply as a coarse spray adjusted with suitable mechanical equipment regulated to the flow of peanuts over the conveyor equipment. The nozzle should be protected against wind and air currents to assure that the spray will be applied on peanuts.

CITRUS INSECT CONTROL

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 mix 1 to 1 1/2 teaspoons per gallon of water. For control of Florida Red & Purple Scale and the Mediterranean Fruit Fly use 2 teaspoons per gallon of water. For Thrips and Aphids use 1 1/2 teaspoons per gallon of water. This spray will also suppress Spider Mites that may be present. Apply spray to give thorough coverage of fruit and the upper and lower sides of leaves and twigs when insects are present or their damage is anticipated. Do not apply when trees are in bloom or within 7 days of harvest.

FOR USE IN THE GREENHOUSE

All plants listed in the VEGETABLE GARDEN INSECT CONTROL chart and on the basic label affixed to the product, may be treated for the listed insects when grown in a greenhouse. Observe proper ventilation procedures and treat plants in early morning during cool temperatures. Thoroughly treat all portions of the plant. Observe the pre-harvest spray intervals as listed. Certain vegetable may be injured if sprayed when humidity and temperatures are very high. Test spray leaf or two and observe later before applying to entire crop, otherwise treat freely when greenhouse temperatures are moderate at 70 to 75 degrees F.

MUSHROOM HOUSES

For control of Mites, Phorid and Sciard Flies, mix 2 tsp in 3 gallon of water and apply to treat 1,000 sq. ft. of mushroom beds. Make a thorough application as soon after harvest as possible. Repeat applications as necessary, usually twice per week until insects are under control. Do not spray within 1 day of mushroom harvest.