



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

August 23, 2023

Laura Rankin
Registrations Department
Southern Agricultural Insecticides, Inc.
P.O. Box 218
Palmetto, FL 34220

Subject: Registration Review Label Amendments Incorporating Mitigation from the Fish and Wildlife Services (FWS) and the National Marine Fisheries Services (NMFS) Biological Opinions on the Effects of Malathion on Endangered and Threatened Species and Designated Critical Habitat and the Aliphatic Solvents Interim Decision
Product Name: SA-50 Brand Malathion-Oil Citrus & Ornamental Spray
EPA Registration Number: 829-175
Application Dates: 5/21/2020, 6/27/2022, and 10/27/2022
Decision Numbers: 563347, 585556, 589919

Dear Laura Rankin:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the FWS and NMFS' Biological Opinions on the effects of malathion on federally listed endangered and threatened species and designated critical habitat in accordance with section 7 of the Endangered Species Act (ESA) of 1973, as amended (16 U.S.C. 1531 et seq.) as well as the Interim Decision for aliphatic solvents. The Agency has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

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A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions, please contact Carolyn Smith by phone at (202) 566-2273 or via email at smith.carolyn@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Kelly Sherman", with a long horizontal flourish extending to the right.

Kelly Sherman
Chief, Risk Management Implementation Branch 3
Pesticide Re-evaluation Division
Office of Pesticide Programs

Enclosure



MALATHION GROUP 1B INSECTICIDE

ACCEPTED
08/23/2023
Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 829-175

MALATHION-OIL
CITRUS & ORNAMENTAL SPRAY
FOR RESIDENTIAL GARDEN USE ON CITRUS, AVOCADO, AND OUTDOOR ORNAMENTALS
FOR THE CONTROL OF SCALE, WHITE FLIES, SPIDER MITES, AND CITRUS MEALY BUG.

FOR OUTDOOR USE ONLY

ACTIVE INGREDIENT:

Malathion: 0,0 dimethylphosphorodithioate
of diethyl mercaptosuccinate 5.0%
Mineral Oil 75.0%
(Unsulfonated residue not less than 92%)

OTHER INGREDIENTS: 20.0%

TOTAL: 100.0%
Contains petroleum distillates.
Contains 0.37 pounds Malathion per gallon.

KEEP OUT OF REACH
OF CHILDREN
CAUTION

See inside of label for additional precautionary statements and directions for use.

For information and questions concerning this product please contact us by email at info@southernag.com.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Avoid breathing spray mist. Avoid contact with skin. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Avoid contact with eyes. Do not contaminate food or feed.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Reporting Ecological Incidents: To report ecological incidents, including mortality, injury, or harm to plants and animals, call 941-722-3285. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean highwater mark. Do not contaminate water when disposing of equipment wash water or rinsate. Avoid drift or run off into storm drains, drainage ditches, or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to maximize the chances that wind, or rain will not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Handlers must wear long-sleeve shirt, long pants, and shoes plus socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

USER SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

FIRST AID

If Swallowed: Immediately call a poison control center or doctor. Do not induce vomiting unless told to by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person. If In Eyes: Hold eyes open and rinse slowly and gently with water for 15- 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice. If On Skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. If Inhaled: Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIAN:

Contains petroleum distillate. May pose an aspiration pneumonia hazard. Atropine sulfate is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine. Have product container or label with you when calling a poison control center or doctor or going for treatment. For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

Southern Agricultural Insecticides, Inc.

EPA REG. NO. 829-175
EPA Est. No. 829-FL-1
J2A
PALMETTO, FL. 34220
HENDESONVILLE, N.C. 28793
BOONE, N.C. 28607
941-722-3285

Net Contents Liquid: 8 ounce, 1 pint, 1 quart, 1 Gallon

DIRECTIONS FOR USE

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

- For outdoor use only.
- Application equipment limited to hand-pump sprayers, hose-end sprayers, and sprinkler cans.
- Do not apply more than two applications per year.
- Minimum retreatment interval is 10 days.
- Do not apply within 25 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, permanent streams, wetlands or natural ponds, estuaries, and commercial fish farm ponds).
- Do not apply directly to sewers or storm drains, or to any area like a drain or gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur.
- Do not allow the product to enter any drain during or after application.
- Do not apply directly to impervious horizontal surfaces such as sidewalks, driveways, and patios except as a spot or crack-and-crevice treatment.
- Do not apply to vertical surfaces directly above pervious or impervious surfaces that drain into ditches, storm drains, gutters, or surface waters.
- Do not apply or irrigate to the point of runoff.
- Do not apply this product when a storm event likely to produce runoff from the treated area is forecasted (by NOAA/National Weather Service, or other similar forecasting service) to occur within 24 hours following application.

Following best management practices can help reduce risk to terrestrial pollinators. Examples of best management practices include applying pesticides in the evening and at night when pollinators are not foraging and avoiding applications to flowering plants. For additional resources on pollinator best management practices, visit <https://www.epa.gov/pollinator-protection/find-best-management-practices-protect-pollinators>.

Reporting Ecological Incidents: To report ecological incidents, including mortality, injury, or harm to plants and animals, call 941-722-3285.

Resistance-Management Recommendations: For resistance management, Malathion contains a Group 1B insecticide. Any insect population may contain individuals naturally resistant to malathion and other Group 1B insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

RESIDENTIAL USE ONLY

Shake well before using. Mix thoroughly with proper amount of water in spray tank and continue agitation during spraying. Do not allow mixture to stand. For scaleicides to be effective, thorough coverage is essential. Better scale control can be anticipated when applications are made when scale insects are in the crawler stage.

In general, woody ornamentals are more tolerant than tender succulent plants. If applications are made to tender succulent plants, they may be syringed off with clear water about an hour after application. Application to plants in bloom may cause injury. Do not apply to wet foliage or when drying conditions are poor.

PRECAUTIONS AND RESTRICTIONS

Do not apply this product in a way that will contact any person or pet, either directly or through drift.

KEEP PEOPLE AND PETS OUT OF THE AREA DURING APPLICATION.

Do not enter or allow others to enter until sprays have dried.

Do not allow pets to enter the treated area until sprays have dried.

Do not use indoors.

Do not apply oil sprays on plants that are wilting or near wilting from lack of moisture. Do not apply with sulfur or lime sulfur. Do not apply within 3 weeks before or after an application of sulfur or lime sulfur. Avoid spraying during periods of excessive high temperature (above 90° F). Do not apply within a minimum of 30 days of a previous application of this product for Avocado and Citrus.

Do not apply when temperatures fall below or are expected to fall below 42° within 3 weeks of application.

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

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

Handheld Technology Applications: Take precautions to minimize spray drift.

OUTDOOR AVOCADO (Do not use in CA)

For the control of Wax Scale, White Fly, and Latania Scale. Apply, preferably, in May, June, or July. Use at a rate of 2 Tablespoonfuls per gallon of water.

Do not apply within 7 days of harvest. Do not make more than one application every 30 days. **Restrictions:** • Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete. • Application equipment limited to hand-pump sprayers, hose-end sprayers, and sprinkler cans. • Do not apply more than two applications per year. • Minimum retreatment interval is 10 days.

OUTDOOR ORNAMENTALS (such as Camellia, Gardenia, Ligustrum, Palms and Ixora) (Do not use in CA)

For the control of Leaf Scale, White Fly, Citrus Mealy Bug, Soft Scales, Florida Red Scale, and Purple Scale. Use 2 Tablespoonfuls per gallon of water.

Apply after blooming, and a second application 14 days later.

Restrictions on Ornamental Plants, Vines, Shrubs, and Ornamental/Shade Tree application:

- Spot treatment only
- Do not apply more than two applications per year.
- Minimum retreatment interval is 10 days.

OUTDOOR CITRUS (Grapefruit, Lemon, Lime, Orange, Tangerine, Tangelo and Kumquat): (Do not use in CA)

For the control of Florida Red Scale, Purple Scale, Spider Mite, White Fly. Apply preferably in June or July using 2 ½ Tablespoonfuls per gallon of water.

Do not apply when trees are in bloom. Do not apply within 7 days of harvest. **Restrictions:** • Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete. • Application equipment limited to hand-pump sprayers, hose-end sprayers, and sprinkler cans. • Do not apply more than two applications per year. • Minimum retreatment interval is 10 days..

LEMONS, Florida Only - For the control of Florida Red Scale Purple Scale, Spider Mite, White Fly. Apply preferably in June or July using 2 ½ tablespoons per gallon of water. Do not apply when trees are in bloom. Do not apply within 7 days of harvest. Do not make more than one application every 30 days.

THE MAXIMUM APPLICATION RATE FOR CITRUS IN TEXAS AND FLORIDA IS 159 POUNDS ACTIVE INGREDIENT PER ACRE (MAXIMUM 1500 GALLONS OF SPRAY MIX PER ACRE).

NOTE: Do not apply to Hibiscus, Papaya, Sensitive Ferns, such as Boston, Maiden Hair, and Peteris and certain species of Crassula.

STORAGE AND DISPOSAL

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

Pesticide Storage: Malathion-Oil Citrus & Ornamental spray should be stored in the original unopened container in a secure dry place. Do not contaminate with other pesticide or fertilizers. The product should never be heated above 55°C (131°F), and should not be stored for long periods of time at a temperature in excess of 25°C (77°F).

Pesticide Disposal: If empty: Do not reuse this container. Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.