

Reg # 829-282

PM-14

135

Please read instructions on reverse before completing form.

Form Approved OMB No 2070-0060 Approval expires 11-30-93

(A) 	United States Environmental Protection Agency Office of Pesticide Programs (H7505C) Washington, DC 20460	<input type="checkbox"/> Registration <input checked="" type="checkbox"/> Amendment <input type="checkbox"/> Other	OPP Identifier Number 189411
	Application for Pesticide:		
	Section I		

1. Company/Product Number 829-282	2. EPA Product Manager Rob Forrest	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) SA-50 Malathion 50% E.C.	PM# 14	
5. Name and Address of Applicant (Include ZIP Code) Southern Agricultural Insecticides, Inc. P.O. Box 218 Palmetto, FL 34220 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section II

<input type="checkbox"/> Amendment - Explain below	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - explain below.

Explanation: Use additional page(s) if necessary (For section I and Section II)

Label Change in accordance with PR Notice 93-3

NOTIFICATION
PER PR NOTICE 93-3
DATE 7/17/93

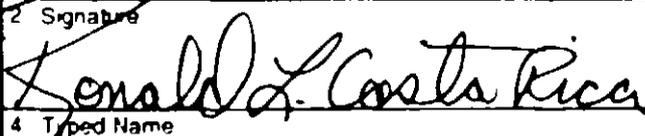
Section III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes," Unit Package wgt. _____ No per container _____	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes," Package wgt. _____ No per container _____	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted.			
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container	4. Size(s) of Retail Container	5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner In Which Label Is Affixed To Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other (_____)			

Section IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)

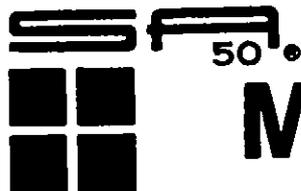
Name Ronald L. Costa Rica	Title Registration Specialist	Telephone No. (Include Area Code) 813-722-3285
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Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamp)
2. Signature 	3. Title Registration Specialist	
4. Typed Name Ronald L. Costa Rica	5. Date 6/3/93	

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DOWN TO OPEN



MALATHION 50% E.C.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Avoid breathing spray mist. Avoid contact with skin. Wash thoroughly after handling and before eating and smoking. Avoid contact with eyes. Do not contaminate food or feed.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, and aquatic life stages of amphibians. For terrestrial uses, do not apply directly to water, or 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 washwater.

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.

MIX WITH WATER
For Household Insects (4 tsp./qt.) - Fleas on Dogs & Cats (1½ tsp./qt.) -
Ornamental Pest Control (1-4 tsp./gal.) - Fruit Insect Control (1-2 tsp./gal.) -
Vegetable Gardens (1-2 tsp./gal.) - Livestock Pests (2½ Tbls./gal.) -

ACTIVE INGREDIENT:	BY WT.
Malathion: O,O-dimethyl phosphorodithioate of diethyl mercaptosuccinate	50%
INERT INGREDIENTS:	50%
*Contains xylene range aromatic solvent. *Contains 4.4 lbs. malathion per gallon.	

KEEP OUT OF REACH OF CHILDREN CAUTION

STATEMENT OF PRACTICAL TREATMENTS

IF SWALLOWED: Call a physician or Poison Control Center immediately. Do not induce vomiting because of aspiration hazard. Never give anything by mouth to an unconscious or convulsing person. This product contains an aromatic petroleum solvent. Treat symptomatically. **IF SWALLOWED Remove clothing to fresh air at once. Apply respiration if indicated.**
IF ON SKIN: Wash thoroughly with soap and hot water. **IF IN EYES:** Wash with plenty of water for 15 minutes. Call a physician.
NOTE TO PHYSICIAN: Malathion upon repeated, prolonged and careless use may cause cholinesterase inhibition. Aropare is anticholinergic.

See Side Panel for Additional Precautionary Statements.

EPA EST. NO. 829-FL-1 (3); 829-NC-1 (4); 829-NC-2 (5) Number following Est. No. corresponds to first digit in Lot No. on bottle.

Southern Agricultural Insecticides, Inc.

Palmetta, FL 34228
EPA REG. NO. 829-282

Hendersonville, NC 27833
J3

Boone, NC 28607
Net Contents Liquid: 1 Quart

STORAGE:
Do not contaminate feed by storage.
STORAGE: Store in original container in a cool, dry place out of reach of children. **PESTICIDE:** Wrap original container in layers of newspaper or other suitable material before discarding.

DIRECTIONS:
It is a violation of law to use this product in a manner inconsistent with labeling. THE SPECIFIC DIRECTIONS OF THIS PRODUCT ARE LISTED ON THE INSIDE OF THIS CONTAINER. FOLLOW DIRECTIONS ON LABEL TO OBTAIN BEST RESULTS.



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**NOTIFICATION
LABEL NOT REVIEWED
PER FR NOTICE 88-8
DATE 7/1/93**

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DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. **RE-ENTRY AND WORKER SAFETY STATEMENT:** Do not use 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.

NOTE: DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM

HOUSEHOLD INSECTS INSIDE DWELLINGS

HOW TO MIX:

INSECT	AMOUNT CONC. PER QUART WATER
FLEAS:	
Contact Spray	1 teaspoonful per quart
Residual Spray	3 teaspoonfuls per quart
On Dogs & Cats	1½ teaspoonfuls per quart
Animal Quarters	3 teaspoonfuls per quart
LICE:	
Residual Spray	3 teaspoonfuls per quart
BROWN DOG TICK:	
Residual Spray	3 teaspoonfuls per quart
ANTS, CLOVER MITES, CRICKETS, EARWIGS, PANTRY PESTS (Saw Toothed Grain Beetle, Rice Weevil, Dermestids, Indian Meal Moth larva), ROACHES, SCORPIONS, SILVERFISH, SPIDERS	3 teaspoonfuls per quart

3 teaspoonfuls (tsp.) = 1 tablespoonful (tbl)

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

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.

IN THE HOME: 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. Replace animal quarters with fresh bedding after treatment. **For 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.

IN AND AROUND HOMES, DAIRIES, FOOD PROCESSING PLANTS: For the insects as listed 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. Do not contaminate food utensils, milk, milk equipment or water. Repeat applications as needed for insect control.

FLEAS ON DOGS AND CATS: Mix as indicated in chart 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 re-treating. Do not treat animals under one month of age. Wear rubber gloves when treating animals.

FLEAS AND TICKS IN ANIMAL QUARTERS: Mix as indicated in chart 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.

IMPORTANT: The solvent used in this product may stain certain fabrics, plastic, rubber and asphalt materials such as tiles, carpets, and floor coverings. Treat them sparingly and clean them after the insecticide has dried. Do not treat areas frequented by children and do not allow them in treated areas until the spray has dried.

LIVESTOCK PEST CONTROL

BEEF, CATTLE, GOATS, and NON-LACTATING DAIRY ANIMALS: For control of Lice, Ticks, and Horn Flies — Mix 1 gallon of this product in 100 gallons of water and, using a power sprayer, apply thoroughly to animals with enough pressure to part the hair. Small dilution rate (6½ ounces in 5 gallons 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 gallon of this product in 100 gallons of water (6½ ounces per 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 containers or watering troughs. Treated animals should be kept out of the sun and "weather" for a few hours after treatment.

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VEGETABLE GARDEN INSECTS

Thoroughly spray plants particularly the undersides of leaves and the developing fruit. Use approximately 1 gallon of the ready-to-use spray per 500 sq. ft. of garden plants. Treat plants when insects are first seen and damage is noticed. Do not spray later than days shown till harvest.

BEANS: For Aphids, Spider Mites, Cucumber Beetles, Leaf Hoppers — Use 2 tsps per gallon 1 day to harvest.

CELERY: For Aphids, Spider Mites — Use 2 tsps. per gallon. 7 days to harvest.

CUCUMBER, SQUASH, MELONS: For Aphids, Spider Mites, Cucumber Beetle, Leaf Hopper — Use 2 tsps. per gallon. 1 day to harvest. Do not apply unless plants are dry.

CABBAGE, BROCCOLI, KALE, MUSTARD, TURNIPS, HEAD LETTUCE: For Aphids, Imported Cabbage Worm, Cabbage Looper, Leaf Hopper — Use 2 tsps. per gallon. 7 days to harvest.

EGGPLANT: For Aphids, Spider Mites — Use 1 tsp. per gallon. 3 days to harvest.

ONIONS: For Thrips — Use 2 tsps. per gallon. 3 days to harvest

PEPPERS: For Aphids — Use 1 tsp. per gallon. 3 days to harvest.

POTATOES: For Aphids, Leaf Hoppers, Mealybugs — Use 1 tsp. per gallon. No waiting time till harvest.

RADISHES: For Aphids — Use 2 tsps. per gallon. 7 days to harvest

TOMATOES: For Aphids, Spider Mites — Use 2 tsps. per gallon. 1 day to harvest

MOSQUITO CONTROL

For control and reducing the annoyance of adult mosquitoes, flies and small flying insects in outdoor areas, apply spray mixture as a fine mist or fog. Dilute Malathion 50% E.C. at the rate of 4 1/2 oz. per gallon of water. Repeat application as necessary. Avoid spray contact with auto finishes as product may produce spotting.

FRUIT INSECT CONTROL

APPLES: To control Aphids, Bud Moth, Forbes Scale, Codling Moth, Plum Curculio, Red-Banded Leaf Roller, and Spider Mites — Mix 2 tsp in 1 gallon of water. 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: For Leaf Hoppers, Spider Mites, Mealybugs — Use 1 tsp. in 1 gallon 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: For Black Cherry Aphids and Fruit Tree Leaf Rollers — Mix 1 tsp. in 1 gallon of water and thoroughly spray trees. Do not apply later than 3 days before harvest. May injure foliage in some varieties.

PEARS: To control Codling Moth, Fruit Tree Leaf Roller, Pear Psylla, Plum Curculio, and Red-Banded Leaf Roller — Use 2 tsp. in 1 gallon of water. Do not apply later than 1 day before harvest. May injure Bosc pears under certain conditions in the Northeast.

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

PLUMS & PRUNES: For Mealy Plum Aphids — Use 1 tsp. in 1 gallon of water. Treat when insects first appear. Do not apply later than 3 days before harvest.

STRAWBERRIES: For the control of Spider Mites, and Aphids — Use 1 tsp. per gallon 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: To control Spider Mites, Aphids, Pecan Nut Casebearer and Pecan Phylloxera — Dilute 2 teaspoonfuls per gallon of water and apply with a pressure sprayer. Treat when insects are first seen or their damage is anticipated. Follow a spray schedule

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, Canari 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 gallons 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 Euonymus Scale — Use 1 1/2 pint per 100 gallons of water (1 1/2 tsps per gallon)

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

For Black Scale Crawlers, Monterey Pine Scale and Soft Scale — Use 2 1/2 pints per 100 gallons water (2 1/2 tsps. per gallon)

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

RICE (FIELD) INSECT CONTROL

For control of Grasshoppers, Rice Stink Bug and Rice Leaf Miner, use 1 1/2-3 pt. Malathion 50 E.C. per acre. Use higher rate for rice leaf miner. Apply as a coarse spray in sufficient water (usually 3-20 gal/A., depending on equipment) for thorough coverage. Apply when wind is 5 MPH or below to avoid drift. Do not apply within 7 days of harvest

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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 2 teaspoonfuls per gallon of water. For Control of Florida Red & Purple Scale and the Mediterranean Fruit Fly — Use 2 teaspoonfuls per gallon of water. For Thrips and Aphids — Use 2 teaspoonfuls per gallon of water. (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.

CONDITIONS OF SALE AND WARRANTY

Our recommendations for use of this product are based upon tests believed to be reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage, and handling not in strict accordance with the directions and precautions given herewith.

STORED GRAIN

INSECTS CONTROLLED: Cereal Leaf Beetle, Confused Flour Beetle, Flat Grain Beetles, 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 gallons 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 ½ pint of this product in 1 to 2½ gallons of water to spray treat 500 bushels of seed as it is being turned into final stage.

SURFACE TREATMENT FOR INDIAN MEAL MOTH: Mix ½ pint of this product in 1 to 2 gallons of water to spray each 1,000 sq. ft. of grain surface after the bin is filled. Repeat within 2 weeks if needed.

PROTECTION OF STORED PEANUTS: For list of insects see paragraph above under INSECT 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 or 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 2½ gallons of spray or mix 1 gallon in 19 gallons of water. Apply finished spray at the rate of 2 gallons per 1,000 sq. ft. or to point of run-off.

Bulk Spray Treatment — Peanuts Going into Storage, apply 2½ pints of this product in 5 gallons 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 spraying. Refer to Directions for Use on 25% Wettable Powder Malathion products for dilution and spraying directions. This treatment should be used in conjunction with the regular spray of this Emulsifiable Concentrate as outlined on this label.

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