

US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (TS-767)
WASHINGTON, DC 20460

EPA REGISTRATION NO.

DATE OF ISSUANCE

11474-62

OCT 11 1988

TERM OF ISSUANCE

Until Reregistered

NAME OF PESTICIDE PRODUCT

Sungro Turf & Garden Insecticide

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Sungro Chemicals, Inc.
P.O. Box 24632
Los Angeles, CA 90024

161/233115
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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 section 3(c)(2)(B) provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency receives all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment:

- a. Add the phrase "EPA Reg. No. 11474-62."
- b. Change "Do not contaminate water by cleaning, maintenance or disposal of wastes" to "Do not contaminate water when cleaning or equipment washwater."
- c. Change "Not to Phytotoxic" to read:

Phytotoxic is an Organophosphorus insecticide. If the toxic characteristics of this insecticide are present, atropine sulfate by injection is antidote. Phytotoxic is a highly toxic insecticide. Do not use on ornamentals, fruit trees, or other plants.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

[Handwritten Signature]

October 11, 1988

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atropine. Solvent presents aspiration hazard.
Gastric lavage is indicated if material was
taken internally.

- d. Delete or identify Bermudagrass Thrips.
- e. Qualify European Chafer and Southern Chafer by adding "larvae" or "grubs."
- f. Either add Holly to the list of trees and shrubs or delete Holly bud moths and Holly leaf miner.
- g. Delete Euonymus scale. This pest does not occur on any of the hosts named.
- h. Change "Hemlock Chermas" to "hemlock Woolly Adelgid."
- i. Change "Drosophila spp." to "Drosophila spp."

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

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.

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (TS-767C)

Enclosures

P.S. (Paragraph 2 continued)

- j. The statements "Causes irreversible eye damage. Do not get in eyes or on clothes" should appear as the first statements under the precautionary statements paragraph.

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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND
DOMESTIC ANIMALS
DANGER**

Keep out of reach of children. Harmful if swallowed, inhaled or absorbed through the skin. Do not breathe spray mist. Avoid contact with skin, eyes, and clothing. Causes irreversible eye damage. Do not get in eyes or on clothes. Wear goggles, face shield or safety glasses. Wash thoroughly with soap and water after handling. Avoid contamination of feed and foodstuffs. Do not use on household pets or humans. Do not permit children or pets to go on the sprayed grass until the spray has completely dried. Keep out of reach of domestic animals.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and wildlife. Do not apply directly to water. Do not apply where runoff is likely to occur. Do not apply when weather favors drift from treated areas. 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 to residues remaining on the treated area. Do not apply when bees are actively visiting to crop, cover top or weeds blooming in the treatment area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

PHYSICAL OR CHEMICAL HAZARDS

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

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

TORAGE: If container is damaged: Stop any leaks by caulking the container or by patching or otherwise repairing the leaks. Take care to avoid contact with pesticide and wear protective gear. On cleanup of spilled liquids, wear protective equipment as required to prevent contact with the product or its vapors. Cover the spilled areas with generous amounts of absorbent material, such as clay, diatomaceous earth, sand or sawdust. Sweep the contaminated absorbent on to a shovel and put the sweepings into a salvage drum. Dispose of wastes as below. Place any leaking container into a similar drum or glass container. Do not store, use, pour or spill near heat or open flame.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or waste 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 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.

**SUNGRO TURF & GARDEN
INSECTICIDE**

LAWN & GARDEN INSECT CONTROL

This product must not be used on golf courses and sod farms.

ACTIVE INGREDIENTS:	%By Wt.
Diazinon [0,0-diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate]	12.50
INERT INGREDIENTS:	87.50
TOTAL:	100.00

Contains Xylene range aromatic solvent.

**KEEP OUT OF REACH OF CHILDREN
DANGER**

STATEMENT OF PRACTICAL TREATMENT

If in eyes: Rinse eyes with plenty of water and call a physician immediately

If swallowed: Call a physician or poison control center immediately. Do not induce vomiting. Vomiting may cause aspiration pneumonia.

If inhaled: Remove person to fresh air and apply respiration if indicated.

If on skin: Wash promptly with soap and water. Rinse thoroughly.

Note to physician: If symptoms of cholinesterase inhibition occur, Atropine Sulfate is antidotal and may be administered in conjunction with 2-PAM.

EPA REG NO. 11474-
EPA EST NO 11474CA01

Manufactured By:
SUNGRO CHEMICALS, INC.
P.O. Box 24632 Los Angeles, Ca. 90024

NET CONTENTS.....GALLONS

It is a violation in a manner

Determine size measure the applications, applications when as needed or as

Use clean spray of Insecticide and

Spray as directed lawns, soil and fine mist spray is important. use.

BENT, BER
FESCUE, M
Armyworms, E
Cutworms, Ear
Webworms),
Sowbugs (Pillb
wet down grass
rate of 2 fl. oz.
or 16 fl. oz.
Brown Dog T
animals in p
grass next to h
Chinch Bugs:
Bugs are the o
1 fl. oz. in 3 g
Millipedes: Tho
applying. Appl
to cover 125 sq
Rhodegrass Sc
of water to co
first emerge.
Ants, Digger W
gals. of water t
wasp ground n
application whe
European Chaf
of 2 fl. oz. in
grass thoroughl
Billbugs: Appl
to cover 125
observed or w
indicating dam
White Grubs:
water to cover
between late J
Hyperodes W
of 1 1/2 fl. oz
Water grass th
areas in mid-A

TREES & SHRUBS

ARBORVITAE, AZALEA, BIRCH, BOXWOOD, CAMELLIA, DOUGLAS FIR, ELM HAWTHORN, OAK, PINE, PLUM, POPLAR, RHODODENDRON, SPRUCE, WILLOW - Aphids, Bagworms, European pine shoot moths, Holly Bud Moths, Dipterous Leaf Miners, (Arborvitae, Azalea, Birch, Boxwood, Holly, Oak), Leafhoppers, Mealybugs, Mites, (Clover, Cyclamen, European Red, Privet, Two-spotted Spider), Obacure Root Weevils, Omniverous Leaf Tiers, Scale Crawlers, (Cottony-cushion, Euonymus, Lacanium, Pine needle, pit Scale, San Jose, Soft), Webworms (Juniper), Whiteflies: Dilute 2 fl. oz. in 3 gal. of water and apply as thorough foliar spray.

Mimosa Webworms: Dilute 2 fl. oz. in 3 gal. of water and apply as a thorough foliar spray when adults first appear. two additional applications at 4-5 week intervals.

Apple-and-Thorn Skeletonizer, Hemlock Chermas, Oak Loopers Oblique-banded Leaf Rollers, Pear Slugs, Tent Caterpillars, Webworms (Cotoneaster, Fall): Dilute 6 fl. oz. in 3 gal. of water and apply as a thorough foliar spray.

ROSES AND FLOWERS

AZALEAS, CAMELLIAS, CHRYSANTHEMUMS, CARNATIONS, GLADIOLI, LILAC, RHODODENDRON, ROSES - Aphids, Euonymus Scale Crawlers, Flea Beetles, Dipterous Leaf Miners, Leafhoppers, Mealybugs, Mites (Carnation Bud, Carnation Shoot, Cyclamen, European Red, Two-spotted Spider), Thrips, Whiteflies: Dilute at the rate of 2 fl. oz. for each 3 gal. of water and apply as a thorough foliar spray. Wet the plants to the dripping point. Try to hit the underside of leaves and penetrate dense foliage.

Do not use on certain ferns, hibiscus, poinsettia, papaya, pilea, gardenia, and orchids since injury may occur.

FRUITS AND NUTS

Start spraying after blooming. Application should be made according to infestation or when aphids, mites, and crawler stages of scale insects are first noted. If infestations ant, repeat applications at 7 to 10 day intervals. Unless otherwise noted dilute at the rate of 2 fl. oz. for each 3 gals. of water and apply as a full cover spray.

ALMONDS, FILBERTS, PECANS, WALNUTS - Mites: Dilute at the rate of 1/2 fl. oz. for each 3 gals. of water. Apply as a full cover spray. Do not apply after husks open or split.

APPLES, PEARS - Aphids, Coddling Moths, Eye-spotted Bud Moths, Fruit Tree Leaf Rollers, Leafhoppers, Tentiform Leaf Miners (pears), Maggots (apples), Mealybugs, Mites (European Red, Clover (brown), Pacific, Two-spotted Spider), Psylla (pears), Scale Crawlers (Cottony-cushion, San Jose, Forbes, Soft): On apples, slight russeting may occur on some varieties such as Golden Delicious. Do not spray fruit within 14 days of harvest.

APRICOTS, PEACHES, NECTARINES - Aphids, Apricot Mealybug (apricot), Mites (Clover (brown), Two-spotted), Scale Crawlers (Olive, San Jose): Do not spray apricots and nectarines within 10 days of harvest and peaches within 21 days of harvest.

CHERRIES - Black Cherry Aphid, Cherry Fruit Fly, Cherry Fruitworm (Maggot), Fruit Tree Leaf Roller, Mites (Cherry Rust), Scale Crawlers (San Jose): Do not spray cherries within 10 days of harvest.

FIGS - Dried Fruit Beetle, Vinegar Flies (*Drosophila* spp.): Do not spray figs within 5 days of harvest.

PLUMS, PRUNES - Aphids (Leaf Curl, Plum, Mealy Plum, Thistle), Mites (Clover (brown), European Red): Do not spray plums and prunes within 10 days of harvest.

CANE BERRIES (BLACKBERRIES, BOYSENBERRIES, DEWBERRIES, LOGANBERRIES, RASPBERRIES) - Aphids, Leafhoppers, Raspberry Sawfly, Raspberry Fruitworm, Two-spotted Mites, Thrips: Do not spray caneberries within 7 days of harvest.

BLUEBERRIES - Aphids, Blueberry Maggot, Cranberry Fruitworm, Cherry Fruitworm, Cherry Fruitworm (Maggot), Two-spotted Mites, Thrips: Do not spray blueberries within 7 days of harvest.

STRAWBERRIES - Aphids, Two-spotted mites, Strawberry Leaf Rollers: Do not spray strawberries within 5 days of harvest.

GRAPES - Aphids, Grape Berry Moths, Grape Leafhoppers, Leafhoppers, Scale Crawlers: Do not spray grapes within 10 days of harvest.

GRAPEFRUIT, LEMONS, ORANGES - Citrus Thrips, Scale Crawlers (Cottony-cushion): Do not spray fruit within 21 days of harvest.

Scale Crawlers (Citrus Snow): Dilute at the rate of 4 fl. oz. for each 3 gals. of water. Apply as a full cover spray after blooming and again in summer. Thorough spray coverage of tree trunk, limbs and twigs is essential.

VEGETABLES - FOLIAR APPLICATION

Thoroughly spray all plant parts. Generally, applications at 7 to 10 day intervals may be required. Dilute at the rate of 2 fl. oz. for each 3 gals. of water and apply to approximately 1,000 sq. ft. of garden unless otherwise noted. Do not feed treated vines to livestock.

BEANS, PEAS - Aphids, Cucumber Beetles, Grasshoppers, Leafhoppers, Mexican Bean Beetles, Mites: Do not spray beans within 7 days of harvest or peas within 1 day of harvest.

CABBAGE, CAULIFLOWER, COLLARDS, BROCCOLI, KALE, RADISHES, TURNIPS - Aphids, Diamondback Moths, Flea Beetles, Imported Cabbage Worms, Dipterous Leaf Miners: Do not spray cabbage within 7 days of harvest, cauliflower and broccoli within 5 days of harvest or collards, kale, radishes and turnips within 10 days of harvest.

CARROTS, CELERY, ENDIVE, LETTUCE, PARSNIPS, SPINACH - Aphids, Flea Beetles, Leafhoppers, Dipterous Leaf Miners, Mites: Do not spray vegetables within 10 days of harvest.

CANTALOUPE, CUCUMBERS, MUSKMELON, SQUASH, WATERMELON - Aphids, Thrips, Mites: Do not spray cucumbers within 7 days of harvest or cantaloupe, muskmelon, squash and watermelon within 3 days of harvest.

PEPPERS, POTATOES, TOMATOES - Aphids, Colorado Potato Beetles, Fall Armyworms (tomato), Flea Beetles, Leafhoppers, Southern Armyworms (potato and tomato), Vinegar flies (*Drosophila* spp. (tomato)): Do not spray peppers within 7 days of harvest, potatoes within 35 days of harvest or tomatoes within 1 day of harvest.

ONIONS - Onion Thrips: Do not spray onions within 10 days of harvest.

SWEET CORN - Aphids, Flea Beetles, Grasshoppers, Mites: Do not spray sweet corn within 1 day of harvest.

VEGETABLES - PREPLANT SOIL APPLICATION

CABBAGE, CARROTS, CORN, LETTUCE, PEAS, POLE BEANS, RADISHES, RED BEETS, SNAP BEANS, TOMATOES, TURNIPS
Cutworms (Surface, Subterranean): Apply at the rate of 12 fl. oz. per 1,000 sq. ft. in sufficient water to achieve thorough coverage. Apply broadcast just before planting. Immediately work into soil 2-3 inches for Surface Cutworms, 3 inches for Subterranean Cutworms.

Garden Symphylans (Garden Centipedes): Apply at the rate of 30 fl. oz. per 1,000 sq. ft. in sufficient water to achieve thorough coverage. Apply broadcast just before planting. Immediately work into soil 4-8 inches.

CARROTS, CORN, PEAS, POLE BEANS, RED BEETS, SNAP BEANS

Mole Crickets: Apply at the rate of 3 fl. oz. per 1,000 sq. ft. in sufficient water to achieve thorough coverage. Apply broadcast just before planting. Apply 1-2 days before sowing or transplanting. Immediately work into soil 1-2 inches.

CABBAGE, CARROTS, CORN, LETTUCE, PEAS, SNAP BEANS, AND TOMATOES

Wireworms: Apply at the rate of 12 fl. oz. per 1,000 sq. ft. in sufficient water to achieve thorough coverage. Apply broadcast just before planting. Immediately work into soil 4-8 inches.

CABBAGE
Root Maggots: Apply at the rate of 9 fl. oz. per 1,000 sq. ft. in sufficient water to achieve thorough coverage. Apply broadcast just before planting. Immediately work into soil 3-4 inches before seeding, either in seed bed or in field or before transplanting.

NUISANCE PESTS IN OUTSIDE AREAS - Ants, Boxelder Bugs, Brown Dog Ticks, Chiggers, Clover Mites, Cockroaches, Crickets, Earwigs, Fleas, Flies, Millipedes, Sowbugs (Pillbugs), Spiders, Springtails (Collembola): Mix at the rate of 16 fl. oz. in 3 gals. of water. Thoroughly spray window and door screens, sills, foundations, porch and patio walls and ceilings, entranceways, walks, garbage cans, tree trunks, and into cracks and other places where insects can hide.

Do not treat plants or animals. For Ants, Dog Ticks, Clover Mites, Crickets, Earwigs, Fleas, Flies, Millipedes, Sowbugs (Pillbugs) and Springtails (Collembola) spray a 3 ft. band of soil around the house next to the foundation and spray the foundation of the house to a height of 2-3 feet.

See lawn recommendations for other control measures for chiggers and these pests.

FIRE ANTS - To aid in the control of fire ants in lawns and other recreation areas, apply 2 fl. oz. (4 tbsp.) in a minimum of 1 gal. of water as a drench. Apply over and 6 inches around each mound. Apply gently to avoid disturbing ants. Reapply as necessary. Larger quantities of solution can be prepared for multiple mound treatments. Use equipment capable of delivering the diluted product as a gentle rain at the rate of 1 gal. per mound. High pressure sprays may disturb the ants and cause migration, reducing product effectiveness. Note: For best results, apply in cool weather, 65-80 F, or in early morning or late evening hours. Treat new mounds as they appear.

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