

829-268

10/18/2004

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OCT 18 2004

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Cynthia Huffman
Southern Agricultural Insecticides, Inc.
PO Box 218
Palmetto, FL 34220

Dear Ms. Huffman:

Subject: Atrazine 4L
EPA Registration Number 829-268
Application dated September 2, 2004
Amended label per Atrazine MOA

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act as amended is acceptable, provided you make the following changes before you release the product for shipment.

- 1) In the restricted use box on the front page of the label, remove the repeated sentence "This product is a restricted use herbicide due to ground and surface water concerns."
- 2) Add the following restriction to the section APPLICATION PRECAUTIONS: "Aerial application of this product is prohibited."
- 3) In the section ENVIRONMENTAL HAZARDS, in the first paragraph revise the statement "Users are advised not to apply atrazine to sand and loamy soils where the water table..." to "Users are advised not to apply atrazine to sand and loamy sand soils where the water table..."
- 4) Add an Agricultural Use Requirements Box in the DIRECTIONS FOR USE section with the following information:
"Agricultural Use Requirements
Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry interval. The requirements in this box apply to uses of this product that are covered by the Worker Protection Standard.

(Continued)

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4) (Continued) Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: Coveralls, Shoes plus socks, Chemical resistant gloves, made of any waterproof material."

5) Add a Non- Agricultural Use Requirements box after the Agricultural Use Requirements box with the following information:

"Non- Agricultural Use Requirements:

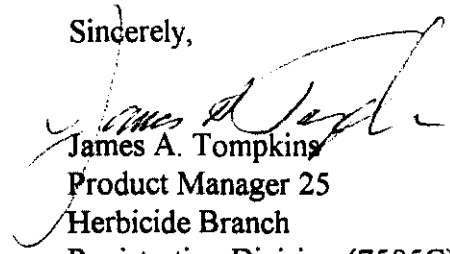
The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

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

6) Add the following restriction to the section APPLICATION PRECAUTIONS: "Do not apply this product through any type of irrigation system."

Submit one (1) copy of final printed labeling incorporating the above changes before you release the products for shipment. Amended labeling will supercede all previously accepted ones. A stamped copy of labeling is enclosed for your records. If you have any questions, please contact Hope Johnson at 703-305-5410.

Sincerely,



James A. Tompkins
Product Manager 25
Herbicide Branch
Registration Division (7505C)

RESTRICTED USE PESTICIDE

Due to ground and surface water concerns.

For retail sale to and use only by certified applicators or persons under their direct supervision, and only for those uses covered by the certified applicator's certification.

This product is a restricted use herbicide due to ground and surface water concerns. Users must read and follow all precautionary statements and instructions for use in order to minimize potential for atrazine to reach ground and surface water.

ATRAZINE 4L HERBICIDE

FOR THE CONTROL OF BOTH EMERGED WEEDS AND WEEDS FROM SEEDS IN ST. AUGUSTINEGRASS, CENTIPEDEGRASS, DORMANT BERMUDAGRASS, AND TURFGRASS GROWN FOR SOD (FLORIDA ONLY).

SA-50 Brand Atrazine 4L will Control or Suppress: Annual Bluegrass (*Poa Annua*), Chickweed (Common and Mouseear), Crabgrass (suppression only), Cransbill, Cudweed, Dichondra, Florida Betony, Henbit, Knotweed, Lespedeza, Moneywort, Mustards, Narrowleaf Vetch, Parsley-Piert, Sandspur, Smutgrass, Spurge, Spurweed, Swinecrest, Woodsorrel and various annual clovers.

Active Ingredients:

Atrazine: 2-chloro-4 ethylamino-6-isopropylamino-s-triazine	40.8%	•••••
Related compounds	2.2%	•••••
Inert Ingredients:	57.0%	•••••
Total:	100.0%	•••••

Contains 4 lbs. of active ingredient per gallon

SHAKE WELL BEFORE USING

KEEP OUT OF REACH OF CHILDREN - CAUTION

FIRST AID

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Never give anything by mouth to an unconscious person.

IF IN EYES: Hold eye 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 eye. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: 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 an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice.

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.

Palmetto, FL 34220
EPA REG. NO. 829-268

Hendersonville, NC 28793
J1

Boone, NC 28607
EPA EST. NO. 829-FL-1

Net Contents Liquid: 1 Gallon (3.785 liters)

ACCEPTED
with COMMENTS
in EPA Letter Dated

OCT 18 2004

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under FFA Reg No.

829-268

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Do not take internally. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Avoid breathing of spray. Flagmen or loaders should avoid inhalation of spray mist. Avoid application directly to animals or humans

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are polyethylene or polyvinyl chloride. If you want more options, follow the instructions for category A on an EPA Chemical-resistance category selection chart.

Applicators using spray equipment mounted on their backs must wear: Coveralls, over long-sleeved shirts and long pants, Chemical-resistant footwear plus socks, and Chemical-resistant gloves, such as barrier laminate, butyl rubber >14 mils, nitrile rubber > 14 mils, or Viton >14 mils.

Mixers, loaders, all other applicators, flaggers, and other handlers must wear:

Long Sleeved shirt and long pants, Chemical resistant gloves, such as barrier laminate, butyl rubber >14 mils, nitrile rubber > 14 mils, or Viton >14 mils. Shoes plus socks, and Chemical-resistant apron, when mixing/loading, cleaning up spills, cleaning equipment, or otherwise exposed to the concentrate.

See Engineering controls for additional requirements.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

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.

ENGINEERING CONTROLS

When applicators use enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(5), the handler PPE requirements may be reduced or modified as specified in the WPS.

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.

ENVIRONMENTAL HAZARDS

Atrazine can travel (seep or leach) through soil and can enter groundwater which may be used as drinking water. Atrazine has been found in groundwater. Users are advised not to apply atrazine to sand and loamy soils where the water table (groundwater) is close to the surface and where the soils are permeable, i.e., well drained. Your local agricultural agencies can provide further information on the type of soil in your area and the location of ground water.

This product must not be mixed or loaded within 50 feet of intermittent streams and rivers, natural or impounded lakes and reservoirs. This product must not be applied within 66 feet of points where field surface water runoff enters perennial or intermittent streams and rivers or within 200 feet of natural or impounded lakes and reservoirs. If this product is applied to highly erodible land, the 66 foot buffer or setback from runoff entry points must be planted to crop, or seeded with grass or other suitable crop.

This product must not be mixed or loaded, or used within 50 feet of all wells, including abandoned wells, drainage wells, and sink holes. Operations that involve mixing, loading, rinsing, or washing of this product into or from pesticide handling or application equipment or containers within 50 ft. of any well are prohibited, unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or equipment rinse or washwater, and rain water that may fall on the pad.

Surface water shall not be allowed to either flow over or from the pad which means the pad must be self-contained. The pad shall be sloped to facilitate material removal. All unroofed pads shall be of sufficient capacity to contain at a minimum 110% of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude precipitation from contact with the pad shall have a minimum containment of 100% of the capacity of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be maintained at all times. The above-specified minimum containment capacities do not apply to vehicles when delivering pesticide to the mixing/loading sites.

Additional State imposed requirements regarding well-head setbacks and operational area containment must be observed.

This pesticide is toxic to aquatic invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Runoff and drift from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash waters.

DIRECTIONS FOR USE:

ANY USE OF THIS PRODUCT IN AN AREA WHERE USE IS PROHIBITED IS A VIOLATION OF FEDERAL LAW. Before using this product, you must consult the Atrazine Watershed Information Center (AWIC) to determine whether the use of this product is prohibited in your watershed. AWIC can be accessed through [www.atrazine-watershed.info], or [1-866-365-3014]. If use of this product is prohibited in your watershed, you may return this product to your point of purchase or contact Southern Agricultural Insecticides, Inc. for a refund.

APPLICATION PRECAUTIONS

Do not use near adjacent desirable plants or in greenhouse, or injury may occur. To avoid spray drift, apply with a coarse low pressure spray. Do not apply under windy conditions. Avoid spray overlap. SA-50 Atrazine 4L is to be mixed with water. Combinations with other chemicals in the application mixture are not recommended.

Do not apply when temperatures exceed 90°F. Use only on healthy turfgrass which is not under heat or drought stress and reasonably free of infestations of insects, nematodes, and diseases. Use in the United States should be confined to Southeastern States only. Applications during the summer should be limited to spot treatment only.

Do not use on muck or alkaline soils (except for sod turfgrass). Do not use over rooting area of trees, ornamentals, vegetables or other desirable plants other than the indicated turfgrasses. Do not apply to areas where the natural drainage would carry the Atrazine to adjacent desirable plants. Do not replant treated areas within 12 months after treatment or injury may result. Do not overseed turf areas within 6 months after treatment. Sprigging of listed turfgrass is allowed in treated areas, some yellowing or stunting may occur.

Applications should be made only with a commercial sprayer or conventional compressed air sprayer equipped with a flat fan spray tip. Correct calibration of the sprayer is essential. Overdosing will cause severe plant injury and or death or the desired turf. Insufficient application may not give anticipated weed control. Hose-end type sprayers are not recommended because of difficulty with achieving precise calibration and application.

WEEDS CONTROLLED or SUPPRESSED:

Annual Bluegrass (Poa Annua), Chickweed (Common and Mouseear), Crabgrass (suppression only), Cransbill, Cudweed, Dichondra, Florida Betony, Henbit, Knotweed, Lespedeza, Moneywort, Mustards, Narrowleaf Vetch, Parsley-Piert, Sandspur, Smutgrass, Spurge, Spurweed, Swinecrest, Woodsorrel and various annual clovers.

Turfgrass at Residential Sites (including homes, daycare facilities, schools, playgrounds, parks, recreational areas, and sports fields):

Do not apply more than 1.0 pounds active ingredient per acre for any application

Do not apply more than 2.0 pounds active ingredient per acre per year.

ESTABLISHED ST. AUGUSTINEGRASS, CENTIPEDE GRASS and DORMANT BERMUDAGRASS. SA-50 Atrazine 4L may be applied during both dormant and growing seasons. Best results are usually obtained when applied in early spring or dormant periods when weeds are small or have not emerged. Do not apply more than two treatments per year. This product may be applied with any pump-up or compressed air type sprayer or with a hose-on type sprayer.

SA-50 ATRAZINE 4L controls Spurweed, Florida Betony, Annual Bluegrass and many other problem weeds in St. Augustinegrass and Centipedegrass turfs. SA-50 ATRAZINE 4L will control both emerged weeds and weeds from seeds. Rain or water within 2 or 3 days of application may decrease the effectiveness on emerged weeds. However, for the control of weeds from seeds, rainfall or watering is necessary within 7 to 10 days after treatment.

SPURWEED: Control of Spurweed can best be obtained by applying when Spurweed has newly emerged (December and January).

FLORIDA BETONY: This weed emerges in the fall. Apply SA-50 Atrazine 4L in mid to late October followed by a second application in mid to late February.

DICHONDRA, MONEYWORT: Apply SA-50 Atrazine 4L in early April followed by a second application in July.

Note: Applications for SPURWEED or FLORIDA BETONY generally will give control or suppression of the other listed weeds. However, as a general rule, SA-50 Atrazine 4L will give best control when applied to young tender weeds or just prior to weed emergence. Do not apply to growing Bermudagrass

Use precautions and Restrictions: Do not apply within the active root zone of vegetables or desirable ornamental plants such as Azaleas, Boxwoods, Camellias, etc. However, treatments using this product should not normally cause injury to medium or large shrubs or trees in the landscape. Do not plant any crop (flower or vegetable gardens) to treated areas for 18 months or injury may result.

Do not graze or feed turf clippings to animals or illegal residues may result.

Determine total area to be sprayed and base rate of application on the chart.

DORMANT BERMUDAGRASS

This product may be applied to Bermudagrass during the dormant season only. Applications to Bermudagrass during the growing season will cause injury. Follow the rates below.

RATE OF APPLICATION FOR ST. AUGUSTINEGRASS and CENTIPEDEGRASS.

Area to be treated	Amount of SA-50 Atrazine 4L	Suggested Amount of Water
1,000 sq. ft.	1 1/2 tablespoonfuls	2 gallons
3,000 sq. ft.	2.5 ounces	6 gallons
5,450 sq. ft.	4 ounces	10 gallons
10,900 sq. ft.	8 ounces	20 gallons
1 acre	1 quart	40-80 gallons

Shake SA-50 Atrazine 4L well before mixing. Avoid overlapping spray pattern while treating.

TURFGRASS FOR SOD (FL. ONLY)

Centipedegrass, St. Augustine grass and Zoysiagrass: Broadcast 4 to 8 pints per acre according to soil texture to control listed weeds.

Muck or Peat,	8 pints	Old Beds: Within 2 days after lifting sod.
		New Beds: 3 to 4 days after sprigging or plugging.
Sandy Soil	4 pints	Old Beds: within 2 days after lifting sod.
		New Beds: 7 to 10 days after sprigging or plugging.

If weeds regrow, apply an additional 4 pints per acre on Muck or Peat, or 2 pints per acre on Sandy soil.

Use precautions and Restrictions - To avoid illegal residues and crop injury:

1. For Muck or Peat soils, do not apply more than 4 pounds a.i. (8 pints) per acre for any application. Do not apply more that 6 pounds a.i. (12 pints per year.) For sandy soil, so not apply more than 2 pounds a.i. (4 pints) per acre for any application. Do not apply more than 3 pounds a.i.(6 pints) per year. Do not apply more than 2 times per season.
2. Do not apply within 30 days prior to cutting or lifting.
3. Do not apply in combination with surfactants or other spray additives.
4. Use only on Turfgrass reasonably free of infestations of insects, nematodes and diseases.
5. On newly-sprigged Turfgrass, temporary slowing of growth may follow application.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry location. Avoid storage at high temperatures. Keep container tightly sealed. Avoid contamination with acids or alkalis. Do not stack more than 2 pallets high to prevent crushing. Keep contrainers away from any source of puncture. Store in original container only.

Pesticides should be separated during storage to prevent cross-contamination of other pesticides, fertilizer, food and feed. Storage area should preferably be locked to prevent admittance by unauthorized or unknowledgeable persons. If the container is damaged and leaking or material has been spilled, follow these procedures:

1. Cover spill with absorbent material.
2. Sweep into disposal container.
3. Wash area with detergent and water and follow with clean water rinse.
4. Do not allow to contaminate water supplies.
5. Dispose of according to instructions below.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

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.