



4-435

09/02/2003

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

SEP 2 2003

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Rebecca Horton  
Bonide Products, Inc.  
6301 Sutliff Road  
Oriskany, NY 13424

Dear Ms. Horton:

Subject: Amendments per PR Notices 2001-1 and 2001-6  
Kleenup Systemic Weed and Grass Killer  
Registration Number: 4-435  
Your Submission Dated: 08/22/03

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. The HAZARDS TO HUMANS AND DOMESTIC ANIMALS section under PRECAUTIONARY STATEMENTS should read, "Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling. Keep children and pets away from treated area until the spray has dried. Avoid contamination of food."
2. In the STORAGE AND DISPOSAL section, add "Do not contaminate water, food or feed by storage or disposal" immediately following the STORAGE AND DISPOSAL heading. Also in this section, add "Pesticide" in front of Storage and "Container" in front of Disposal.
3. Delete "No extra chemical used like Kleraway Concentrated Weed and Grass Killer or Roundup", "50% less chemical required to kill weeds than Kleraway Concentrate or Roundup", "Makes the same amount of spray as Kleraway or Roundup without the extra wasted active ingredient", "Makes the same amount of spray as Kleraway Concentrated Weed and Grass Killer or Roundup" from the OPTIONAL MARKETING STATEMENTS on the front of the label.
4. Add a statement of the maximum amount of glyphosate containing product that can be used on a particular site per year.

Submit three (3) copies of final printed labeling incorporating the above changes before you release the product for shipment. Amended labeling will supercede all previously accepted labels. A stamped copy of labeling is enclosed for your records.

Sincerely,

Jim Tompkins  
Product Manager, Team 25  
Herbicide Branch  
Registration Division

Enclosure



# KLEENUP® SYSTEMIC WEED & GRASS KILLER

Optional Marketing Statements:

- For General Weed Control
- Kills Weeds – Roots and All
- Kills in 2 to 4 Weeks
- Biodegradable
- Contains Wetting Agent for Added Value
- Concentrate Makes up to 24 Gallons Spray
- Contains the Same Active Ingredient as Roundup®  
Roundup is a Trademark of Monsanto Co.
- New! Contains Blazon® Spray Indicator Marker (Biodegradable Dye)  
With Blue Marker to Show Where You Have Sprayed
- 25% More Free – 5 Quarts For the 1 Gallon Price
- No Odor
- Water Based Formula
- New! Improved Formula
- Is Not Active in the Soil
- Multi-purpose Grass & Broadleaf Weed Control
- Use to Prepare Site for Planting Fruit Trees, Ornamentals and Vegetables
- Can be Applied With a Tank Sprayer, Sprinkling Can, or Hose-end Applicator
- Makes xx Gallons of Spray
- Concentrated for Extra Value
- Treats up to xx Sq. Ft.
- Use for Lawn Renovations
- Can Reseed Lawn 7 Days After Treatment
- Lawns & Gardens Can Be Reseeded Soon After Treatment
- No Extra Chemical Used Like Klearaway™ Concentrated Weed & Grass Killer or Roundup®
- 50% Less Chemical Required to Kill Weeds than Klearaway™ Concentrate or Roundup®
- Makes the Same Amount of Spray as Klearaway™ or Roundup® Without the Extra Wasted Active Ingredient
- Makes the Same Amount of Spray as Klearaway™ Concentrated Weed & Grass Killer or Roundup®

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

SEP 2 2003

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

4-435

**ACTIVE INGREDIENT:**

Isopropylamine salt of \*glyphosate ..... 5.0%

**OTHER INGREDIENTS:**..... 95.0%

**TOTAL**..... 100.0%

\*N-(phosphonomethyl)glycine

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

See back/side/other panel(s) for additional Precautionary Statements.

**NET CONTENTS:** \_\_\_\_\_

Made in USA

EPA Reg. No. 4-435  
8/21/03 – amendment

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**FIRST AID**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Telecommunications Network at 1-800-858-7378 for emergency medical treatment information.

**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.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Avoid contact with eyes. Keep children and pets off treated areas until spray has dried. Avoid contamination of food.

**ENVIRONMENTAL HAZARDS**

Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters.

**DIRECTIONS FOR USE**

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

**READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.**

**STORAGE AND DISPOSAL**

**Storage:** Store and transport in an upright position. Store in a cool dry area inaccessible to children or pets. Do not store diluted spray.

**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.

**FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC – DAY OR NIGHT 1-800-424-9300.**

**What is this product and what will it do?**

Kleenup Systemic Weed & Grass Killer is a weed killer that kills all vegetation contacted. It moves throughout the weed, killing roots and all. Gives complete kill of tough weeds in flower beds, around trees, shrubs, walks, driveways, and mulch, and for spot treatment in lawns. It can be used to prepare sites for planting fruit trees, ornamentals and vegetables.

**What will I see?**

Weeds will show browning, yellowing, and wilting usually within 5 – 7 days with complete browning and kill in 2 – 4 weeks.

(Kleenup contains a blue marker that allows you to see treated weeds. The marker is non-staining and will fade away with exposure to sunlight and water.) (If marker contacts skin or clothing, it is easily removed by washing with soap and water.)

**CONTROLS:**

Bahiagrass	Evening Primrose	Pennywort
Bentgrass	False Dandelion	Perennial Ryegrass
Bermudagrass	Fennel	Poison Ivy
Bindweed	Fescue	Poison Oak
(Wild Morningglory)	Fiddleneck	Primrose
Blackberries	Filaree	Prostrate Spurge
Black Medic	Florida Pusley	Puncture Vine
Bluegrass	Garden Spurge	Quackgrass
Blue Toadflax	Henbit	Ragweed
Brassbuttons	Johnsongrass	Sandspur
Broadleaf Plantain	Knotweed	Shepherdspurse
Bromegrass	Lambsquarters	Smooth Cat's Ear
Bur Clover	Little Bitter Cress	Sowthistle
Canada Thistle	London Rocket	Spotted Spurge
Chickweed	Maiden Cane	St. Augustinegrass
Common Groundsel	Mallow	Tall Fescue
Common Plantain	Mayweed	Tansy Ragwort
Crabgrasses	Mouseear Chickweed	Torpedograss
Creeping Beggarweed	Nimblewill	White Clover
Creeping Bentgrass	Oldenlandia	Whitetop
Creeping Charlie	Orchardgrass	Wild Barley
Curly Dock	Oxalis	Yellow Nutgrass
Dandelion	Pennsylvania Smartweed	Zoysia
Diffuse Lovegrass		
Dog Fennel		

**WHEN TO APPLY**

Apply any time that vegetation is actively growing. Warm, sunny weather will accelerate weed control. Heavy lawn grass or difficult to control weeds, such as Bermudagrass, nimblewill, dandelion or Canada thistle may require a repeat application.

For best results, apply on a sunny day when daytime temperature is at least 60°F. Avoid application when wind may cause spray mist to drift from target area.

**HOW TO APPLY**

**GENERAL WEED & GRASS CONTROL:** To apply with a plastic, aluminum or stainless steel tank type sprayer, mix 8 fluid ounces (1 cup) of KLEENUP Systemic Weed and Grass Killer per 1 to 1½ gallons of water and spray to wet undesirable vegetation. NOTE: We do not recommend a galvanized or unlined steel sprayer. Never store unused spray. Rinse sprayer used.

To apply with an ORTHO® Lawn & Garden Sprayer (foliage setting) or ORTHO® SPRAY-ETTE® Hose-End Sprayers, add amount of product indicated to the sprayer jar and apply to specified areas. Do not add water to jar. Do not use the ORTHO® Lawn Sprayer. For other brands of hose sprayers follow manufacturers directions to mix 8 fluid ounces of this product per 1 to 1½ gallons of sprayer output.

**DILUTION TABLE**

<b>Amount of KLEENUP® Systemic Weed And Grass Killer to Use</b>	<b>Water to Use</b>	<b>Area to Treat</b>
8 fl. oz. (1 cup)	1 – 1½ gallons	250 sq. ft.
1 pint	2 – 3 gallons	500 sq. ft.
1 quart	4 – 6 gallons	1,000 sq. ft.

**IMPORTANT**

For spot treating in lawns and around trees and shrubs, a tank type sprayer is recommended. Spray carefully. Avoid spray or drift contact with desirable lawn grasses, shrubs or trees. If accidental drift contacts desirable foliage, wash off immediately with water. Do not apply when rainfall is expected within 24 hours of application as weed control will be reduced.

**WHERE TO APPLY**

**General Weed Control:** Apply this product to control undesirable plants growing in fences, around physical ornaments, buildings, tool sheds or other areas where control is desired.

**Landscaping:** Apply this product to control undesirable weeds or grasses growing in areas where plantings of ornamentals, trees, shrubs, desert landscapes, rock gardens, flower beds or similar plantings will be made.

**Ornamentals:** Apply this product to control undesirable plants growing around ornamentals, trees or shrubs. Spray contact other than with mature bark of desirable plants may cause injury.

**Lawns:** This product may be applied to control undesirable weeds growing in lawns. Spot treating undesirable weeds in a lawn will cause a dead spot until sufficient growth occurs to close the areas. Larger spots will require reseeding to provide complete grass cover and help protect reinfestation by undesirable plants. If dead spots are unacceptable, use a lawn weed killer than does not affect grasses.

Use to eliminate old, undesirable, or weed infested lawns or to change to a more desirable grass type. For best results, skip at least one mowing prior to spraying. Delay reseeding, tilling, or sodding for 7 days after spraying.

**For Vegetables, Small Fruits, and Berries:** The following vegetables, small fruits and berries may be planted (by seed, rooted cuttings or transplants) 7 days after spraying. For unlisted vegetables, small fruits and berries, wait 30 days after spraying to plant.

**Vegetables:** Jerusalem artichoke, asparagus, beans, beet greens, broccoli, Brussels sprouts, cabbage, cantaloupe, carrot, cauliflower, casaba melon, celery, chard (Swiss), chicory, collards, corn, crenshaw melon, cucumber, eggplant, endive, garlic, gourds, ground cherry, honeydew melon, honey ball melon, horseradish, kale, kohlrabi, leek, lentils, lettuce, mango melon, melons, muskmelon, mustard greens, okra, onion, rape greens, rhubarb, rutabaga, spinach, squash (summer, winter), tomatillo, tomato\*, turnip, watercress, watermelon, and yams.

\*Tomatoes planted from seed only. Wait 30 days for rooted transplants.

**Small Fruits and Berries:** Blackberry, blueberry, boysenberry, cranberry, currant, dewberry, elderberry, gooseberry, huckleberry, loganberry, olallieberry, raspberry (black & red), and strawberry.

**To prepare ready-to-use spray solution:** Add 1 part of KLEENUP® Systemic Weed and Grass Killer and 9 parts of clear tap water to make a 0.5% spray solution. Example: 2 oz. of product plus 18 oz. of water. Follow label use directions on this label.

For information on pesticide products (including health concerns, medical emergencies, or pesticide incidents, call the National Pesticide Telecommunications Network at 1-800-858-7378.

**NOTICE**

**IT IS IMPOSSIBLE TO ELMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE USE OF THIS PRODUCT. CROP INJURY, INEFFECTIVENESS, OR OTHER UNINTENDED CONSEQUENCES MAY RESULT BECAUSE OF SUCH FACTORS AS WEATHER CONDITIONS, PRESENCE OF OTHER MATERIALS, OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BEYOND THE CONTROL OF BONIDE, THE MANUFACTURER OR SELLER. IN NO CASE SHALL BONIDE, THE MANUFACTURER OR SELLER BE LIABLE FOR CONSEQUENTIAL SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER. EXCEPT AS EXPRESSLY PROVIDED HEREIN, BONIDE, THE MANUFACTURER OR SELLER MAKES NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO, MRCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND BONIDE'S, THE MANUFACTURER'S OR SELLER'S TOTAL LIABILITY, SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.**

**REPACKAGING OR REFORMULATING PROHIBITED**

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Bonide Products, Inc., Oriskany, NY 13424