

71995-40

03-29-2004

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
71995-40

Date of Issuance:
MAR 29 2004

NOTICE OF PESTICIDE:
 Registration
 Reregistration

Term of Issuance:
Conditional

Name of Pesticide Product:
MON 79158 Herbicide

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):
Monsanto Company, Lawn & Garden Products
600 13th Street, N.W. Suite 660
Washington, DC 20005

Note: Changes in labeling 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 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.

Registration is in no way to be construed as an endorsement or recommendation of this product by the 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 section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) provided that you:

1. Submit/or cite the results of the one-year storage stability (830.6317) and corrosion characteristics (830.6320) studies once they are completed.
2. Submit/cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit such data.
3. Make the labeling changes listed below before you release the product for shipment.
 - a. Add the phrase "EPA Registration No. 71995-40".
 - b. Under Storage to read "Pesticide Storage".
 - c. Revise the last sentence under Disposal to read "Never place unused product down any indoor or outdoor drain."
4. Submit two (2) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec.6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of label is enclosed for your records.

Signature of Approving Official:


Date:
3-29-04

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[Editorial Notes: Bracketed text [] is for internal use or serves as a 'place holder' for graphics. Parenthetical text () denotes optional wording.]

[Refer to APPENDIX 1 for consolidated list of label claims.]

[Refer to APPENDIX 2 for packaging related claims/instructions]

MON 79158 HERBICIDE

Active Ingredients

Glyphosate, isopropylamine salt	18.00 %
Imazapic, ammonium salt	0.30 %
Diquat dibromide.....	0.73 %
Other Ingredients	80.97 %

KEEP OUT OF REACH OF CHILDREN

CAUTION

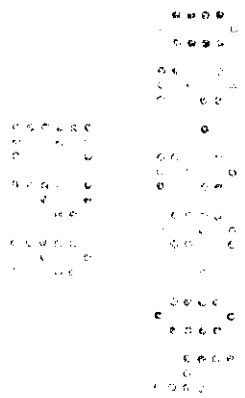
See back panel (booklet) for additional precautionary statements.
(Read precautions and directions on back label.)

NET []

**ACCEPTED
with COMMENTS
In EPA Letter Dated:**

MAR 29 2004

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
71995-40



71995-NEW UN

MON 79158 Herbicide Master Label
EPA submitted 4 Dec 2002

2/26/04

Product Facts	
<ul style="list-style-type: none"> • Dual (2 way) Action: <ol style="list-style-type: none"> 1. Kills existing weeds & grasses, roots & all 2. Creates a chemical barrier in the soil to prevent (new) weed(s) (seeds) (from sprouting, appearing) for up to 3 months <p>To prevent (new) weed(s) (seeds) (from sprouting, appearing) for up to 3 (2, 4) months, spray the existing weeds AND the entire surrounding area you wish to keep weed free. <i>[Illustration of spray pattern on emerged weed and surrounding area and compare to spray pattern of Roundup Weed & Grass Killer]</i></p> <p>This product may be used around the base of well-established trees, shrubs, and plants. However, DO NOT treat areas where you will be planting seeds within 120 days. Wait 90 (30, 60) days before transplanting ornamental bedding plants, trees, shrubs or sod into treated areas.</p> <p>Treats up to _____ sq ft (approx. size of ____ tennis courts) <i>[see Appendix 2 for calculation instructions]</i></p>	
KILLS & PREVENTS WEEDS	<i>[Illustrate grassy, broadleaf and woody weeds]</i> ALL TYPES OF WEEDS & GRASSES
WHERE TO USE	Apply only where you want to kill existing weeds AND prevent future weed growth for up to 3 (2, 4) months, such as: <ul style="list-style-type: none"> • Walkways, driveways, gravel pathways, (RV and boat) parking areas, and brick patios • Along fences, foundations, and curbs • On cracks and crevices in concrete sidewalks, driveways, patios, and tennis courts • Areas around the base of well established ornamental plants, shrubs or trees • Decorative rock (mulch,) or bark landscapes • Along the edge of lawns, tree rings, and retaining walls <p>Do not use on your lawn or in your (annual) vegetable garden. Do not use to prepare vegetable garden plot.</p> <p>This product prevents future plant growth for up to 3 (2,4) months. For weed control in (annual) vegetable gardens or landscaped areas with young plants or areas that will be planted within 90 (30, 60) days with bedding plants or 120 days with seed, use Roundup Weed & Grass Killer Super Concentrate or Roundup Weed & Grass Killer Ready-To-Use (instead of <i>[insert brand name for MON 79158]</i>).</p>
AMOUNT TO USE	6 fl oz (12 Tbs) per gallon of water
<p><i>[phone icon]</i> Questions, Comments or Medical Information call <i>[insert contact telephone number]</i> www.roundup.com</p>	

DIRECTIONS FOR USE

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

MIXING INSTRUCTIONS

[optional tank sprayer illustration]

Tank Sprayer (plastic, aluminum, fiberglass, plastic-lined steel or stainless steel.

- Add 6 fl oz (12 Tbs) to 1 gallon of water.
- (Spot treat)
- A gallon treats 300 sq. feet

1 Tablespoon (Tbs) = 3 teaspoons (tsp) 1 fl oz = 2 Tbs

Do not (mix, store or) apply with (in) a galvanized or unlined steel (except stainless steel) sprayer, or through any irrigation system.

To clean sprayer after use, rinse sprayer and all sprayer parts with water 3 times. Spray rinse water on bare soil or gravel. After cleaning, sprayer may be used for other products.

HOW TO APPLY *[optional illustration]*

- Spray the area where weeds or grasses you want to kill normally appear until **THOROUGHLY WET**. Spray only the areas (existing weeds AND the entire surrounding area) you want to keep weed free (free of weeds) (for up to 3 (2, 4) months)

[Alternate text] To keep areas weed free for up to 3 (2, 4) months, spray the entire desired area until thoroughly wet (or covered with foam), including the area surrounding emerged weeds.

[Alternate text] Spray existing weeds and the entire surrounding area where weeds or grasses you want to kill normally appear until thoroughly wet (or covered with foam). Spray only the areas you want keep free of weeds (for up to 3 (2, 4) months).

- If weeds and grasses have already sprouted, spray the plant and entire surrounding area until **THOROUGHLY WET**
- When spraying around the base of well-established ornamental plants, shrubs or trees, shield desirable plants from drift with a sheet of cardboard or plastic. If desirable plant is accidentally sprayed, rinse off immediately with water or cut off the treated area

IMPORTANT: Do not spray plants or grasses you like - they may die too. When making applications around desirable trees or ornamental plants, wait until desirable plants have become well established and deeply rooted. DO NOT use for weed control.

in lawns or (annual) vegetable gardens since *[insert brand name]* kills lawn grasses and prevents new plants from sprouting for up to 3 (2, 4) months.

WHEN TO APPLY *[optional illustration]*

- After a flush of small weeds have emerged, apply to the weeds and the entire surrounding area you want to keep free of weeds for up to 3 months
- For best results, apply during warm, sunny weather (above 60 F) (to accelerate systemic movement from foliage to roots).
- Spray when the air is calm to prevent drift to desirable plants
- *[Optional text]* Visible effects (yellowing or wilting) will occur in hours (1 to 3 days) with complete kill in 1 to 2 weeks.
- (RAIN-PROOF:) Rain or watering 2 hours (30, 45, 60, or 90 minutes; 1 hour; less than 1 hour; less than 60 minutes; less than 30 minutes) after application will not wash away effectiveness *[Alternate text]* *[insert brand name]* is Rainproof in 2 hours (30, 45, 60, or 90 minutes; 1 hour; less than 1 hour; less than 60 minutes; less than 30 minutes).
- Wait (at least) 2 (3) months between applications of *[insert brand name]*. If spray coverage on the originally treated area was not uniform, weeds may reappear within 2 (3) months- respray(spot treat) these areas if new weeds are present.

WHEN TO REPLANT *[optional illustration]*

- All ornamental bedding plants, trees, shrubs and sod may be planted 90 days (30, 60 days; 1 month, 2 months, 3 months) after application.
- Lawn grasses and flowers from seed may be planted 120 days (4 months) after application.

HOW IT WORKS *[optional illustration]*

[Insert brand name] has two-way action. One ingredient enters plants through foliage and moves systemically to the roots, killing weeds by stopping the production of a substance found in plants. The other ingredient provides an invisible barrier in the soil that prevents growth of sprouting weed(s) (seeds). Weeds begin to yellow or wilt within hours (1 to 3 days) (with complete kill in 1 to 2 weeks).

KILLS ALL TYPES OF WEEDS & GRASSES *[optional illustration]*

Weeds (including): Artichoke thistle, beggarweed, black medic, blue mustard, blue toadflax, brassbuttons, broadleaf plantain, burclover, buttercup, Canada thistle, cattail, chickweed, cocklebur, common groundsel, common mullein, common plantain, common ragweed, creeping beggarweed, creeping-charlie, curly dock, dandelion, dog fennel, evening primrose, false dandelion, fiddleneck, field pennycress, filaree, Florida

pusley, henbit, horsenettle, horseradish, horseweed/ marestalk, iceplant, knapweed, knotweed, lambsquarters, lantana, little bittercress, London rocket, mallow, mayweed, milkweed, mouseear chickweed, narrowleaf (buckhorn) plantain, nightshade (silverleaf), oldenlandia, oxalis, Pennsylvania smartweed, pennywort, poison hemlock, prickly lettuce, primrose, puncturevine, ragweed, red clover, redroot pigweed, shepherdspurse, smooth catsear, smooth pigweed, sowthistle, tansy ragwort, tansymustard, trumpetcreeper, tumble mustard, Virginia creeper, white clover, whitetop, wild barley, wild mustard, wild oats, wild sweet potato, and yellow starthistle

Grasses (including): Annual bluegrass, annual ryegrass, bahiagrass, barnyardgrass, bentgrass, Bermudagrass, bromegrass, Cogongrass, crabgrass, creeping bentgrass, dallisgrass, fall panicum, fescue, field sandbur, foxtail, goosegrass, guineagrass, Johnsongrass, Kentucky bluegrass, kikuyugrass, lovegrass, maidencane, nimblewill, nutsedge, orchardgrass, pampas grass, perennial ryegrass, quackgrass, sandspur, smooth bromegrass, sprangletop, St. Augustinegrass, tall fescue, Texas panicum, Timothy, torpedograss, vaseygrass, witchgrass, yellow nutgrass, zoysia

STORAGE AND DISPOSAL *[trash can illustration]*

STORAGE: Store in original container in a safe place away from direct sunlight.
DISPOSAL: Do not reuse container. **Empty Container:** Put in trash. (Recycle where available.) **Partially Full Container:** Call your local waste disposal service or 1-800-CLEANUP. Never pour product down any drain.

HOW TO REFILL *[insert brand name for MON 79146]* **READY-TO-USE CONTAINERS**

- **24 fl oz** *[insert brand name for MON 79146]:*
To empty container add 1.5 oz (3 Tbs) of *[insert brand name for MON 79158]* then fill with water very slowly to avoid foaming.
- **½ Gallon** *[insert brand name for MON 79146]:* To empty container add 4 fl oz of *[insert brand name for MON 79158]* then fill with water very slowly to avoid foaming.
- **Gallon** *[insert brand name for MON 79146]:* To empty container add 7 oz of *[insert brand name for MON 79158]* then fill with water very slowly to avoid foaming.
- **1.33 Gallon** *[insert brand name for MON 79146]* **PNS:**
To empty container add 9 fl oz of *[insert brand name for MON 79158]* then fill with water very slowly to avoid foaming.
- **6L** *[insert brand name for MON 79146]:*To empty container add 11 fl oz of *[insert brand name for MON 79158]* then fill with water very slowly to avoid foaming.
- **2 Gallon** *[insert brand name for MON 79146]:*
To empty-container add 14 fl oz of *[insert brand name for MON 79158]* then fill with

water very slowly to avoid foaming.

PRECAUTIONARY STATEMENTS [optional illustration]

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

[re-entry icon] People and pets may enter treated area after spray has dried.

FIRST AID	
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently for 15-20 minutes. • Remove contact lenses, if present, after first 5 minutes, then continue rinsing. • Call a poison control center (<i>insert contact telephone #</i>) or doctor for treatment advice.
Emergency Medical Information	
<ul style="list-style-type: none"> • Have the product container or label with you when calling a poison control center or doctor, or going for treatment. • You may contact [<i>insert contact telephone #</i>] for emergency medical treatment information. • This product is identified as [<i>insert brand name</i>], EPA Reg. No. 71995-NEW 	

ENVIRONMENTAL HAZARDS: Do not apply directly to any body of water. Do not contaminate water when disposing of equipment washwaters or rinsate.

This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soil is permeable, particularly where the water table is shallow, may result in ground-water contamination.

NOTICE: Buyer assumes all responsibility for safety and use not in accordance with directions.

This product is protected by U.S. Patents No. 4,798,619 and No. 5,683,958 and No. 5,703,015 and No. 6,063,733 and No. 6,121,199 and No. 6,121,200. Other patents pending. No license granted under any non-U.S. patent(s).

This is an end-use product. Monsanto does not intend and has not registered if for reformulation or repackaging.

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[*phone icon*] Questions, Comments or Medical Information
call [*insert telephone number*] www.roundup.com

[insert brand name] is a trademark of Monsanto Technology LLC
©[] Monsanto Company
Manufactured for
Monsanto Company, Lawn & Garden Products
P.O. Box 418
Marysville, OH 43041
Form []
EPA Reg. No. 71995-new
EPA Est. 239-IA-3¹; 58996-MO-1^A
Superscript is first letter of lot number
Made in USA

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APPENDIX 1 – Consolidated List of Label Claims
[Ordered alphabetically]

- Before [*weed graphics*] / After [*weed graphics*]
- Concentrated (formula) for extra value
- Contains FastAct™ (Technology) (with Foam)
- Controls tough weeds longer
- Dead Weeds Guaranteed (or Your Money Back)
- Dual Action (2-way) (kills and prevents)
- Dual (2-way) Action: Kills existing weeds (roots and all) and prevents new weeds from appearing for up to (30, 60, 90, 120 days) (1, 2, 3, 4 months)
- Easy (-ier) to use (convenient, handy, useful)
- (Economical) concentrate formula
- Eliminate(s) weeds
- Even if it rains – Roundup won't lose its effectiveness
- Exclusive (Roundup) formula
- Experience the Roundup Advantage (peel back this panel for detail) (see details inside / underneath this booklet) (see details on back panel)
- Extended performance
- Extended weed control
- FastAct™ (Technology) (results in 24 hours)
- Fast acting (formula)
- Fast-acting formula moves to the root faster (is absorbed fast)(more quickly)
- Fast results
- Ideal for killing and preventing unwanted weeds and grasses throughout your yard. Use along fences, retaining walls; in cracks of walks, drives and patios; and around flower (landscape) beds, rings around trees and shrubs
- Keep yards (areas of your yard) weed free longer
- Keeps driveways, walkways, landscape borders, tree rings, and other areas weed-free for 30 (60, 90, 120 (30-60, 30-90, 60-90, 60-120, 90-120) days) (1, 2, 3, 4, 1-2, 2-3, 2-4, 3-4 months) (seasonally)
- Provides seasonal (extended) (30, 60, 90, 120, 30-60, 30-90, 60-90, 60-120, 90-120 days) (1, 2, 3, 4, 1-2, 2-3, 2-4, 3-4 months) control of weeds in driveways, walkways, landscape borders, tree rings, and other areas.
- Kills (existing) weeds (& grasses) (roots & all) and prevents (new) weed(s) (seeds) (from sprouting, appearing) for up to 3 (2, 4) months (60, 90, 120 days)
- Kills (the toughest weeds and grasses) to the root so weeds (they) don't come back
- Kills the weeds (& grasses) you see (roots & all) and prevents (new) weed(s) (seeds) (from sprouting, appearing) for up to 3 months
- Kills (to) the root
- Kills more weeds in more places.
- Kills over 100 weeds
- Kills weeds, roots and all
- Kills weeds dead

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- Kills and prevents
- NEW
- Next day results: Begins killing on contact, visible results in 24 hours
- No Root, No Weed, No Problem
- NOW
- One step protection
- Only Roundup's effectiveness (exclusive formula) won't be washed away by rain or watering 2 hours (30, 45, 60, 90 minutes; 1 hour; less than 1 hour; less than 60 minutes; less than 30 minutes) after treatment
- Quality that lasts
- Rainproof in 6 hours (30, 45, 60, 90 minutes; 2 hours, 1 hour; less than 1 hour; less than 60 minutes; less than 30 minutes)) (for control that won't wash away)
- Roundup's exclusive (patented) (FastAct) formula (technology) kills to the root so weeds don't come back
- Results in 24 hours – Prevents for up to (30, 60, 90, 120 days)(1, 2, 3, 4 months)
- Season long weed control
- Seasonal weed control
- (See) results in 24 hours (1 day)
- (See) results in hours
- Satisfaction guaranteed
- Starts working overnight
- Starts working in (24) hours
- Starts to kill overnight
- Starts to kill [in] the same day
- Starts to kill in hours
- Tougher than the toughest weeds
- Trusted protection
- 2 in 1 (kills and prevents)
- Use to trim and edge landscape areas

[Promotional options]

- Save up to \$[x] on (your) next purchase
- Free weed guide inside
- Free [] with this purchase of *[insert brand name]*
- FREE SAMPLE
- SAMPLE NOT FOR SALE
- Value size

APPENDIX 2 – Packaging Related Claims

- NET xx fl oz (qt or gal) (xx mL or L)
- 6 fl oz (177 mL)
- 13 oz (384 mL)
- 16 fl oz (1 pt) (473 mL)
- 32 fl oz (1 qt) 946 mL)
- 53.7 fl oz (0.42 gal) (1.5 L)
- 64 fl oz (1/2 gal) (1.89 L)
- 128 fl oz (1 gal) (3.79 L)

[corner flap]

OPEN

Resealable Label for Directions & Precautions

PULL HERE TO OPEN LABEL

PEEL HERE

PEEL OPEN FOR USE DIRECTIONS AND FURTHER INFORMATION

PRESS TO RESEAL

[Net contents] Makes up to 'X' gallons

Mix with water to make 'X' gallons of spray solution

Covers up to 'Z' sq ft

Mix with water to cover up to 'Z' sq ft

$$[X = net\ contents + 6]$$

$$[Z = X * 300]$$

[Pint]

Makes up to 2½ gallons

Mix with water to make 2½ gallons of spray solution

Covers up to 750 sq ft

Mix with water to cover up to 750 sq ft

[Quart]

Makes up to 5 gallons

Mix with water to make 5 gallons of spray solution

Covers up to 1,500 sq ft

Mix with water to cover up to 1,500 sq ft

[0.42 Gallon] Makes up to 9 gallons

Mix with water to make 9 gallons of spray solution

Covers up to 2,700 sq ft

Mix with water to cover up to 2,700 sq ft

[Half Gallon] Makes up to 10 gallons

Mix with water to make 10 gallons of spray solution

-Covers up to 3,000 sq ft

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Mix with water to cover up to 3,000 sq ft

[Gallon]

Makes up to 21 gallons

Mix with water to make 21 gallons of spray solution

Covers up to 6,300 sq ft

Mix with water to cover up to 6,300 sq ft

New! Larger size, covers up to ['Z'] sq ft

With (the convenient) measuring cup, mixing MON 79158 (controlling weeds around your home) has never been easier

With (the convenient) measuring cup, controlling weeds all around your home has never been this fast and easy