



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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

JUL 24 2008

Ms. Dawn Fee-White.
Monsanto Company, Lawn & Garden Products
1300 I (Eye) Street, NW, Suite 450 East
Washington, DC 20005

Dear Ms. Fee-White

Glyphosate
Subject: ~~Roundup~~ Residual Concentrate (Update Master Label)
EPA Registration No. 71995-40
Application Dated May 14, 2008

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended is acceptable. Amended labeling supersedes all previously approved ones. A stamped copy of labeling is enclosed for your records.

Sincerely,

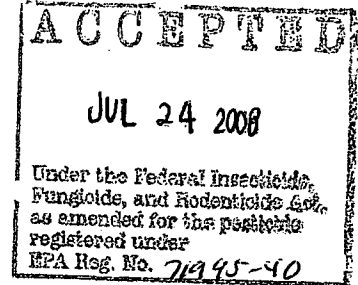
Vickie K. Walker for
James A. Tompkins
Product Manager 25
Herbicide Branch
Registration Division (7505P)

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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.]



Glyphosate Residual Concentrate

Alternate Brand Names: Roundup Concentrate Extended Control Weed & Grass Killer Plus Weed Preventer
 Roundup Concentrate Weed & Grass Killer Plus Extended Weed Control

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 []

PPN #

LF #

OPEN (booklet for details)
Resealable Label for Directions and (&) Precautions
Press to Reseal

Product Facts (Container) makes up to [] gallons and treats up to [] sq ft (approx. size of [] tennis court(s)) <i>[See Appendix 2 for values and calculations.]</i>	
WHAT IT DOES	<i>[Optional Illustration of grassy, broadleaf and woody weeds]</i> KILLS & PREVENTS ALL TYPES OF (TOUGH) WEEDS & GRASSES
HOW IT WORKS	IMPORTANT: To prevent new weeds and grasses from growing YOU MUST SPRAY THE ENTIRE AREA you want to control (keep free of weeds), NOT JUST the emerged (existing) weeds. <i>[Insert brand name] (Dual Action (Formula))Works 2 (Two) Ways:</i> <ol style="list-style-type: none"> One ingredient enters plants through foliage and moves systemically to the roots, killing weeds by stopping the production of a substance found in plants. Weeds begin to yellow and wilt within hours (24 hours) with complete kill in 1 to 2 weeks. (Kills existing weeds & grasses, roots & all) <i>[alternate 1. text]</i> Glyphosate, the primary active ingredient in this product <i>[Insert Brand Name]</i> is absorbed by the weed leaves. It moves through the weed to the root, stopping the function of an essential enzyme found in plants (but not in humans or animals). Weeds die, roots and all – so they (weeds) don't grow back. (Weeds begin to yellow and wilt within hours (# hours) with complete kill in 1 to 2 weeks.) The other ingredient (Contains a second active ingredient that) creates (provides) an invisible barrier in the soil that prevents growth of (new, sprouting) weed(s) (seeds) (and grasses) (from sprouting, appearing, growing) for up to 4 (2, 3) months. <i>[Alternate text]</i> Prevents new weeds from growing for up to 4 (2, 3) months by creating an invisible barrier (in the soil). <i>[Optional illustration examples]</i> <ol style="list-style-type: none"> <i>Person applying product to patio</i> <i>Cutaway weed seed/tap root underground</i> <i>Cutaway of weed germination/growth inhibition</i>
FOR BEST RESULTS	Use 6 fl oz per gallon of water Use 8 fl oz to refill a 1.33 gallon container
WHERE (AND) (HOW) TO USE	(Apply only where you want to kill existing weeds AND prevent future weed growth for up to 4 (2, 3) months, such as): <i>[Optional illustrations of where / how to use]:</i> Treated (insert color) areas stay weed free for up to 4 (2,3) months. <i>[Alternate text]</i> Spray (apply <i>[Insert brand name]</i> to) both existing weeds and (weed-prone) areas where weeds have not yet appeared) (Treated (insert color) areas stay weed free for up to 4 (2, 3) months.) <i>[Optional text]</i> Note: Product goes on clear and will not stain. (Insert color) color shown for illustration purposes only. <i>[Alternate text]</i> <i>[Insert color]</i> color

	<p>represents area to be sprayed to receive 4 (2, 3) month weed-free control.</p> <ul style="list-style-type: none"> • On walkways, driveways, gravel pathways (gravel areas), (RV and boat) parking areas, and brick patios (paths) • Along fences, foundations, retaining walls, curbs, and edge of lawns • On cracks and crevices in sidewalks, driveways, walkways, patios, and tennis courts • Around the base or in mulched beds of well established (at least one year old) (ornamental) plants, shrubs or trees • Decorative rock (mulch) or bark landscapes <p><i>[Alternate text]</i></p> <ul style="list-style-type: none"> • Driveways, Patios, Sidewalks & Paths • Tree Rings & Mulched Areas • Along Fence Lines • Gravel Areas <p>NOTE: Product goes on clear and will not stain. <i>[Insert color]</i> highlight shown for illustration purposes only.</p>
<p>WHERE NOT TO USE</p>	<ul style="list-style-type: none"> • DO NOT USE on your lawn (in lawns or for lawn renovation) as <i>[Insert brand name]</i> prevents desirable grasses from growing too. • DO NOT USE to prepare vegetable garden plots (for vegetable garden preparation) or in your (annual) vegetable garden (in and around fruits and vegetables). • DO NOT SPRAY landscaped areas with young plants (around young plants) or (in) an area that will be planted (seeded) within 4 (1, 2, 3) months. • Do not spray plants or grasses you like - they will die. <p><i>[Alternate text]</i> In areas that will be planted or seeded within 4 (1, 2, 3) months Around un-established plants, shrubs, or trees (See inside booklet for details.)</p> <p>Note: For weed control in these areas use Roundup Weed & Grass Killer Ready-To-Use (or Roundup Weed & Grass Killer Super Concentrate).</p>
<p><i>[Re-entry icon]</i></p>	<p>People and pets may enter treated area after spray has dried.</p>
<p>cell phone computer icons</p>	<p align="center">Questions, Comments or Medical Information</p> <p>call <i>[Insert contact telephone number]</i></p> <p align="right">Visit us on the web at www.roundup.com</p>

[For products where an anti-theft device has been added] This bottle contains an anti-theft device, either inside or on the back of the bottle. It does not affect Roundup's (this product's) performance.

DIRECTIONS FOR USE	
It is a violation of Federal law to use this product in a manner inconsistent with its labeling.	
MIXING INSTRUCTIONS	

<p>1.33 Gallon Roundup Container</p>	<p>Add 8 fl oz (16 Tbs) to 1.33 gallons of water or Add the entire contents of the 8 oz [Insert Brand Name of 71995-40] to the 1.33 gallon Roundup brand (Pump 'N Go) (Insert Brand Name of 71995-47) sprayer (container) and fill slowly with water to prevent foaming.</p>
<p>Tank Sprayer</p>	<p>Use of a Roundup® Brand tank sprayer is recommended. A plastic, aluminum, fiberglass, plastic-lined steel or stainless steel sprayer may also be used.</p> <ul style="list-style-type: none"> • Add 6 fl oz (12 Tbs) to 1 (per) gallon of water • One gallon treats 300 sq ft <p style="text-align: center;">1 Tablespoon (Tbs) = 3 teaspoons (tsp) 1 fl oz = 2 Tbs</p> <p>Do not (mix, store or) apply in a galvanized or unlined steel (except stainless steel) sprayer or through any irrigation system.</p>
<p>HOW TO APPLY</p>	<ul style="list-style-type: none"> • Spray the existing weeds AND the entire surrounding weed-prone area you want to keep weed free (free of weeds) (for up to 4 (2, 3) months). Spray until THOROUGHLY WET. <p><i>[Alternate text]</i> To keep areas weed free for up to 4 (2, 3) months, spray the (entire) (desired) (weed-prone) area until thoroughly wet.</p> <p><i>[Alternate text]</i> Spray existing (emerged) weeds and the entire surrounding (weed-prone) area where weeds or grasses you want to kill normally appear until thoroughly wet. Spray only the areas you want keep free of weeds (for up to 4 (2, 3) months).</p> <ul style="list-style-type: none"> • When spraying around the base of well-established at least 6 months old (at least one year old) 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). • <i>[Optional text]</i> When making applications around desirable trees or ornamental plants, wait until desirable plants have become well established and deeply rooted.
<p>WHEN TO APPLY</p>	<ul style="list-style-type: none"> • Spray (apply) when air is calm to prevent drift to desirable plants • For best (fastest visual) results, apply during warm, sunny weather (above 60 °F) (to accelerate systemic movement from foliage to root). • (RAIN-PROOF PROTECTION:) Rain or watering (within) 30 minutes (30, 45, 60, or 90 minutes; 1 hour; less than 1 hour; less than 60 minutes; less than 30 minutes) after (of) application will not wash away effectiveness. • <i>[Optional text]</i> Wait (at least) (1, 2, 3) months before spraying a previously treated area unless weeds reappear then respray (area) as needed. • <i>[Optional text]</i> Weeds usually yellow and wilt within hours (1-3 days) with complete kill in 1 to 2 weeks.
<p>WHEN TO REPLANT</p>	<ul style="list-style-type: none"> • All ornamental bedding plants (annuals and perennials), trees, shrubs, sod and seed (flowers and grasses) may be planted 4 (1, 2, 3, 3-4) months after application.

HOW TO CLEAN SPRAYER	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) REFILL <i>[Optional section]</i>	Use <i>[Insert brand name for Reg. No. 71995-40]</i> to refill <i>[Insert brand name for Reg. No. 71995-47]</i> containers. Follow the instructions below: [24 fl oz container] To empty container add 1 oz (3 Tbs) of <i>[Insert brand name for Reg. No. 71995-40]</i> then fill with water very slowly to avoid foaming. [½ Gallon] To empty container add 3 fl oz of <i>[Insert brand name for Reg. No. 71995-40]</i> then fill with water very slowly to avoid foaming. [1 Gallon] To empty container add 6 oz of <i>[Insert brand name Reg. No. 71995-40]</i> then fill with water very slowly to avoid foaming. [1.33 Gallon] To empty container add 8 fl oz of <i>[Insert brand name for Reg. No. 71995-40]</i> then fill with water very slowly to avoid foaming. [6L] To empty container add 10 fl oz of <i>[Insert brand name for Reg. No. 71995-40]</i> then fill with water very slowly to avoid foaming. [2 Gallon] To empty container add 12 fl oz of <i>[Insert brand name for Reg. No. 71995-40]</i> then fill with water very slowly to avoid foaming.

KILLS ALL TYPES OF WEEDS & GRASSES <i>[Optional Section]</i>		
Bahiagrass	Bentgrass	Bermudagrass
Bindweed	Black Medic	Blue Toadflax
Bluegrass	Brassbuttons	Broadleaf Plantain
Bromegrass	Bur Clover	Canada Thistle
Chickweed	Common Plantain	Common Groundsel
Crabgrass	Creeping Bentgrass	Creeping Charlie
Creeping Beggarweed	Curly Dock	Dandelion
Diffuse Lovegrass	Dog Fennel	Evening Primrose
False Dandelion	Fennel	Fescue
Fiddleneck	Filaree	Florida Pusley
Garden Spurge	Henbit	Johnsongrass
Knotweed	Lambsquarters	Little Bitter Cress
London Rocket	Maiden Cane	Mallow
Mayweed	Mouseear Chickweed	Nimblewill
Oldenlandia	Orchardgrass	Oxalis
Pennsylvania Smartweed	Pennywort	Perennial Ryegrass
Primrose	Prostrate Spurge	Puncture Vine
Quackgrass	Ragweed	Sandspur
Shepherdspurse	Smooth Cat's Ear	Sowthistle
Spotted Spurge	St. Augustinegrass	Tall Fescue
Tansy Ragwort	Torpedograss	White Clover
Whitetop	Wild Morning Glory	Wild Barley
Yellow Nutgrass	Zoysia	

NOTE: Heavy lawn grass or well established difficult to control weeds, such as Bermudagrass, Nimblewill, Dandelion, or Canada Thistle may require a repeat application.

STORAGE AND DISPOSAL <i>[Optional trash can illustration]</i>
PESTICIDE STORAGE: Store in original container in a safe place away from direct sunlight. Keep from freezing. If frozen, allow to thaw and shake well before using.
DISPOSAL: Nonrefillable container. Do not reuse or refill this container. If Empty: 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.

PRECAUTIONARY STATEMENTS <i>[optional illustration]</i>	
HAZARDS TO HUMANS & DOMESTIC ANIMALS	
CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.	
<i>[Optional, re-entry statement appears earlier in label]</i>	People and pets may enter treated area after spray has dried.
<i>[Re-entry icon]</i>	

FIRST AID <i>[Optional First Aid icon]</i>	
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after first 5 minutes, then continue rinsing eyes. • Call a poison control center (insert contact telephone #) 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 (insert contact telephone #) for emergency medical treatment information. • This product is identified as <i>[Insert brand name]</i>, EPA Reg. No. 71995-40 	
ENVIRONMENTAL HAZARDS	
Do not apply directly to any body of water. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.	
<i>[Optional statement]</i> 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.	

Roundup Lawn & Garden products have the best solutions to your toughest weed problems

Visit the Roundup website, www.roundup.com, to learn more about the Roundup family of products

- **Roundup Extended Control - kills & prevents for up to 4 months**
- **Roundup Weed & Grass Killer Plus - ready to use, no mixing, no mess**
- **Roundup Poison Ivy Plus Tough Brush Killer - kills tough, brushy, hard to control weeds**
- **Roundup Concentrate Plus - fast visible results**
- **Roundup Super Concentrate - best Roundup concentrate value**

This product is protected by U.S. Patent No. *[Insert relevant patent number(s)]*. 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 it for reformulation or repackaging.

Roundup *[insert other relevant brand names]* is a trademark of Monsanto Technology LLC
© MONSANTO COMPANY
(Produced) Manufactured for
Monsanto Company
PO Box 418
Marysville, OH 43041-0418

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PPN #

LB #

EPA Reg. No. 71995-40

EPA Est. 239-IA-3¹; 58996-MO-1^A

Superscript is first letter of lot number

Made in USA

APPENDIX 1 – Consolidated List of Label Claims

- 2 in 1 (kills and prevents)
- All-Season Formula (Delivers 12 hour results all year (even in cool and cloudy weather))
- All-temperature Roundup – Always 12 hour results!
- All-weather Formula (Results in (less than) 12 hours)
- Before [*weed graphics*] / After [*weed graphics*]
- Begins working in hours
- (Contains) (Now with) FastAct (II) Technology
- **Consumer Guarantee:** If for any reason you are not satisfied after using this product, simply send us original proof of purchase and we will replace the product or refund the purchase price.
- Contains FastAct™ (Technology) (with Foam)
- Controls tough weeds longer
- Dead Weeds Guaranteed * [*qualify guarantee*] (See booklet for details) (or Your Money Back)
- Dead in a day
- Delivers maximum performance: Kills tough weeds and grasses to the root, prevents new weeds and grasses for up to 4 (2,3) months, visible results in (12, 24) hours, rain-proof protection in 30 minutes, great value – covers up to [insert calculation per container] sq. ft.
- Did You Know? People and (&) pets may enter treated area after spray has dried?
- Dual (2-way) Action (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)
- 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)
- Fast acting (formula)
- Fast-acting formula moves to the root faster (is absorbed fast)(more quickly)
- Fast results
- Great value – makes up to [] gallons and covers (treats) up to [] sq. ft.
- Guaranteed Satisfaction * [*qualify guarantee*]
- 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 1 (2, 3, 4, 1-2, 2-3, 2-4, 3-4 months) (seasonally) (all season long)
- (One application) Kills (existing) weeds (& grasses) (roots & all) and prevents (new) weed(s) (seeds) (from sprouting, appearing, growing) for up to 3 (2, 4) months (60, 90, 120 days)
- How to Use

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- 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 (2, 4) months
- Kills (to) the roots
- Kills existing tough weeds & grasses to the root
- Kills more weeds in more places.
- Kills over 100 weeds
- Kills weeds, roots and all
- Kills weeds dead
- Kills and prevents (for up to (2, 3, 4) months)
- Longer lasting formula
- NEW
- Next day results: Begins killing on contact, visible results in hours (less than 9, 12, 24 hours)
- No Root, No Weed, No Problem
- NOW
- One step protection
- One application kills weeds (to the root) and prevents (new) weeds for up to (1, 2, 3, 4 months) (30, 60, 90, 120 days)
- Only Roundup's effectiveness (exclusive formula) won't be washed away by rain or watering 30 minutes (45, 60, 90 minutes; 1 hour; less than 1 hour; less than 60 minutes; less than 30 minutes) after treatment
- Patented FastAct (II) Technology
- Provides seasonal (extended) (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.
- Quality that lasts
- Rainproof in (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)
- RAINPROOF Protection in 30 (45, 60, 90) minutes
- Results in (less than) 12 (4,6,8,10) hours (even when it's cool) (even in the Spring)
- Results that show
- Results in 12 (9, 24) hours!
- Roundup's exclusive (patented) (FastAct) formula (technology) kills to the root so weeds don't come back
- Same day results
- Satisfaction guaranteed * [*qualify guarantee*] (See booklet for details)
- Season long weed control
- Seasonal weed control
- (See) (Visual) Results in hours (less than 9, 12, 24 hours) – Prevents for up to (30, 60, 90, 120 days)(1, 2, 3, 4 months)
- (See) (visual) results in 24 hours (1 day)
- (See) (visual) results in hours (less than 9, 12, 24 hours)
- Speedy results
- Spray today, dead tomorrow
- Starts working overnight
- Starts working in (24) hours

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- Starts to kill overnight
- Starts to kill in hours (same day)
- The fast weed killer (starts working immediately)
- This Roundup formula targets an enzyme in plants but not in people or pets.
- Tougher than the toughest weeds
- Trusted protection
- Use to trim and edge landscape areas
- Visible results in 12 (9, 24) hours
- Weeds start dying in 1 day (less than 9, 12, 24 hours)
- Where to Use
- What to Know

[Promotional options]

- Save up to \$[x] on (your) next purchase
- Free weed guide inside
- Free [] with this purchase of Roundup Ready-To-Use (container size)
- FREE SAMPLE
- SAMPLE NOT FOR SALE
- Value sized
- X% free (more)
- Bonus Pak = 4 Gallons *
- * 1.33 gallons of Ready-to-Use product and 2.66 diluted gallons from the attached 16 oz. Concentrate

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

Treats (covers) up to 'Y' sq. ft. (approximate size of 'Z' tennis court(s))

Mix with water to treat (cover) up to 'Y' sq. ft.

[X = net contents ÷ 6]

*[Y = X * 300]*

[Z = Y ÷ 2808]

[Pint]

Makes up to 2.6 gallons

Mix with water to make 2½ gallons of spray solution

Covers up to 750 sq. ft. (approximate size of 1/4th tennis court)

Mix with water to cover up to 800 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. (approximate size of half a tennis court)

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. (approximate size of one (a) tennis court)

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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. (approximate size of one (a) tennis court)

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. (approximate size of two tennis courts)

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

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

With (the convenient) measuring cup, mixing *[Insert Brand Name]* (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

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Description of Changes for 071995-00040.20080514.pdf

This Master Label Amendment incorporates the following changes:

Added alternate wording in sections "How it Works", "Where to Use", "Where not to Use" consistent with other 71995 registered products

Added Anti theft marking device warning

Added Mixing instructions for refilling the new 1.33 gal container

Added new wording around the Roundup family of products.

Amend marketing claims in Appendix 1