

67760-49

11/1/2012

1/12



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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

11-1-12

Jennifer DeCarlo  
Cheminova, Inc.  
1600 Wilson Boulevard  
Suite 700  
Arlington, VA 22209

Subject: EPA Reg. 67760-49 / Glyphos Concentrate 41% Weed and Grass Killer Notification

Dear Ms. DeCarlo:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 10-2-12 for the product EPA Reg. 67760-49 / Glyphos Concentrate 41% Weed and Grass Killer. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions please call Erik Kraft at 703-308-9358 or email at [Kraft.Erik@epa.gov](mailto:Kraft.Erik@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Kable 'Bo' Davis".

Kable "Bo" Davis  
Product Manager 25  
Herbicide Branch  
Registration Division (7505P)

2/12

<b>EPA</b> United States Environmental Protection Agency Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other - <b>NOTIFICATION</b>	OPP Identifier Number <b>XXXXXX</b>
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**Application for Pesticide - Section I**

1. Company/Product Number <b>67760-49</b>	2. EPA Product Manager <b>Kable Davis</b>	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) <b>Glyfos Concentrate 41% Weed &amp; Grass Killer</b>	PM# <b>25</b>	
5. Name and Address of Applicant (Include ZIP Code) <b>Chemnova, Inc.          One Park Drive, Suite 150          Research Triangle Park, NC 27709</b>		6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(I), my product is similar or identical in composition and labeling to: EPA Reg. No. Product Name

Check if this is a new address

**Section - II**

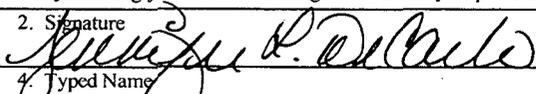
<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below

**Explanation:** Use additional page(s) if necessary. (For Section I and Section II.)  
**Notification of Minor Label Changes per PR Notice 98-10.**  
 This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and may be subject to enforcement action and penalties under Sections 12 and 14 of FIFRA.

**Section - III**

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No <i>*Certification must be submitted</i>	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Unit Packaging wgt.    No. per container	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Package wgt.    No. per container		<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify)	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Other _____ <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled					

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)		
Name <b>Jennifer L. DeCarlo</b>	Title <b>Registration Manager</b>	Telephone No. (Include Area Code) <b>973-356-5557</b>
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received  (Stamped)
2. Signature 		
3. Title <b>Registration Manager</b>		
4. Typed Name <b>Jennifer L. DeCarlo</b>		5. Date <b>October 2, 2012</b>



Cheminova, Inc.  
Washington Office  
1600 Wilson Boulevard  
Suite 700  
Arlington, VA 22209

3/12  
Phone: (703) 373-8883  
Fax: (703) 373-8887

October 2, 2012

Kable Davis, Product Manager, Team 25  
Document Processing Desk (NOTIF)  
Office of Pesticide Programs  
U.S. Environmental Protection Agency  
Room S-4900, One Potomac Yard  
2777 South Crystal Drive  
Arlington, VA 22202-4501

**Subject: Notification per PR Notice 98-10  
Glyphos Concentrate 41% Weed and Grass Killer; EPA Reg. No. 67760-49**

Dear Mr. Davis,

Cheminova, Inc. hereby submits the enclosed Notification per PR Notice 98-10, Section II, Labeling Notifications, Subparagraph E, Changes in Packaging and Related Labeling Statements. The following changes were made to the enclosed label:

1. Added "213" to the following marketing claim: "Makes up to [ ] gallons"
2. Added "63,900" to the following marketing claim: "Covers up to [ ] sq ft"
3. Revised company address
4. Added "320 fl oz (2.5 gallon)(9.4L)" to the net contents section
5. Added "63,900 sq ft (approx. size of 30 tennis courts) – for 2.5 gallon size" under the Consumer Information section

No additional changes have been made to the enclosed label.

To support this notification, enclosed, please find the following documents:

- Application for notification (Form 8570-1)
- One copy of revised labeling highlighting the requested changes
- One copy of revised labeling

If you have any questions or require any additional information, please contact me at 973-356-5557 or by e-mail at [jennifer.decarlo@cheminova.com](mailto:jennifer.decarlo@cheminova.com).

Sincerely,

Jennifer L. DeCarlo  
Registration Manager

Enclosures

c: Eric Smith (United Industries Corp.)

not in it. on 4/12

# Glyfos® Concentrate 41% Weed & Grass Killer

[Optional proposed text appears in brackets – the final label may include some or all of the optional text]

[Ultra formula] [Concentrated for extra value] [Concentrated and economical]

[Super concentrate]

[Built in measuring cap and pour spout]

[Now/New measuring cap and pour spout included]

[Easy Measure] [Easy Pour.]

[Water-based formulation]

[Low odor] [No roots] [No weeds] [No problem]

[Makes up to [21] [35] [85] [213] gallons [of spray solution] [varies with container size]

[Covers up to [6,300] [10,500] [25,500] [63,900] sq ft [varies with container size]

[One gallon of spray solution covers 300 sq ft] [75 sq ft per qt] [55 sq ft per 24 oz]

[Kills weeds and grasses] [ in 1 to 2 weeks] [right down to the root]

[See results in 2-4 days]

[Kills [even] the [hardest] [toughest] of weeds and grasses]

[Multi-purpose Grass & Weed Killer]

[A general purpose broadleaf weed & grass killer]

[Kills undesirable weeds and grasses]

[Kills the weed above and the root below]

[Kills weeds & grasses to the root]

[Kills weeds & grasses down to the root]

[Kills unwanted vegetation right down to the root]

[Apply using] [For application with] [Standard Tank Sprayer; BIG SHOT® Multi-purpose sprayer; ORTHO® Dial 'n Spray®; ORTHO SPRAY-ETTE®; other ORTHO hose-end sprayer or other hose-end sprayer]

[Use for site preparation for large plantings, such as flower beds, fruit trees, ornamentals, vegetables, garden sites and to renovate or replace lawns]

[Kills many of the weeds you don't want] [Rid weeds] [Get rid of weeds] in

flowerbeds, along fences, around trees, shrubs, driveways, walkways, in and around fences, patios, paths, sidewalks and curb cracks, walkways and trails]

Use to refill **Glyfos Ready-to-Use [specific product number] Weed and Grass Killer**

[Reseed or sod new lawns 7 days following treatment]

[Ornamentals can be planted or transplanted the day following treatment]

## PRODUCT USAGE

<i>Kills</i>	Kills unwanted weeds and grasses
<i>Use On</i>	Driveways, walkways, curbs, patios Around fruits, trees, shrubs, flowers, vegetable gardens Along fences and sidewalks
<i>Amount to Use</i>	Use 2 ½ fl. oz. (5 Tbs.) per gallon of water for 300 sq. ft.

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**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**ACTIVE INGREDIENT :**

\*Glyphosate, [N-(phosphonomethyl) glycine], in the form of its isopropylamine salt.....41.0%

**OTHER INGREDIENTS**.....59.0%

**TOTAL** 100.0%

\*Acid equivalent or glyphosate content = 30.34%

**READ PRECAUTIONS AND DIRECTIONS ON [BACK] [SIDE] [INSIDE] LABEL.**

or

**SEE {[BACK] [SIDE] [INSIDE] PANEL} [BOOKLET] FOR ADDITIONAL PRECAUTIONARY STATEMENTS**

or

**PEEL OPEN FOR USE DIRECTIONS AND FURTHER INFORMATION.**

**NET CONTENTS:**

32 oz (1 quart)(946 mL)  
53.7 fl oz (0.42 gallon)(1.5 L)  
128 fl oz (1 gallon)(3.7L)  
320 fl oz (2.5 gallon)(9.4L)

EPA Reg. No: 67760-49

EPA Est. No

THIS IS AN END-USE PRODUCT. CHEMINOVA, INC. DOES NOT INTEND AND HAS NOT REGISTERED IT FOR REFORMULATION OR REPACKAGING.

Manufactured for:

Cheminova, Inc.

P.O. Box 110566

One Park Drive, Suite 150

Research Triangle Park, NC 27709

**Deleted:** Oak Hill Park  
1700 Route 23  
Wayne, New Jersey 07470

[Product of Denmark] [Product of USA]

**PRECAUTIONARY STATEMENTS  
Hazards to Humans and Domestic Animals**

**CAUTION**

Harmful if absorbed through the skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Keep children and pets away from treated areas until spray has dried. Avoid contamination of food. Do not contaminate water supplies.

**FIRST AID**

- IF ON SKIN:**
- Take off contaminated clothing. Rinse skin with plenty of water for 15–20 minutes.
  - Call a poison control center or doctor for treatment advice.
- 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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

You may also call 1-866-303-6950, [or other designated medical emergency toll free number] for emergency medical treatment information.

**ENVIRONMENTAL HAZARDS**

To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

**[CONSUMER INFORMATION**

[This product will treat up to:

- 6,300 sq ft (approx. size of 3 tennis courts) – for quart size
- 10,500 sq ft (approx. size of 5 tennis courts) – for 53 fl oz size
- 25,500 sq ft (approx. size of 12 tennis courts) – for 1 gallon size
- 63,900 sq ft (approx. size of 30 tennis courts) – for 2.5 gallon size

**Mixing directions:** For best results use 2½ fl oz (5 Tbs) per gallon of water. One gallon of water will treat approximately 300 sq ft.

[**Glyphos Concentrate 41% Weed and Grass Killer** eliminates nearly all common weeds, grasses and unwanted vegetation.] [Illustrations]

[Add water and use along fences, in driveways, sidewalks, brick and gravel walkways, next to trees and shrubs, and around buildings to control weeds and unwanted vegetation. Use **Glyphos** for edging landscapes. **Glyphos** is suited for lawn renovation or to prepare large sites for planting of flower beds, vegetable gardens or wildlife food plots. **Glyphos** can also be used for large jobs such as lawn renovation and vegetable and flower garden preparation.

[For edging around lawns] [For lawn replacement/renovation] [For garden plot preparation] [Do not use on or around edible feed or food crops.]

[**Important:** This product is a non-selective herbicide that will kill all vegetation contacted. This herbicide kills unwanted plants by inhibiting the production of a substance found only in plants. It enters plants through the sprayed foliage and moves down to the roots. Avoid direct spray or drift onto desirable plants, lawn grasses, shrubs and trees. Protect desirable plants and vegetation with a piece of plastic or cardboard. If desirable plants are accidentally sprayed, wash plants with water immediately. Any **Glyphos** not absorbed by the plant is broken down into natural materials. This product has no soil activity and thus will not affect nearby untreated plants. Do not mow, cut or otherwise disturb treated vegetation for at least 7 days following application.

[For product information and a complete list of weeds controlled] [For more information] [For

questions or comments], call toll-free 1-800-xxx-yyyy or visit [www.xxxxx.xxx](http://www.xxxxx.xxx).]

**CONTROLS ALL TYPES OF WEEDS AND GRASSES INCLUDING:**

**[Annual weeds and grasses:**

Annual ryegrass, annual bluegrass, banyardgrass, beggarweed, black medic, blue medic, blue toadflax, brassbuttons, blue mustard, bromegrass, bur clover, buttercup, cheeseweed, chickweed, clover, common groundsel, common lambsquarters, common plantain, common ragweed, crabgrass, creeping beggarweed, diffuse lovegrass, dog fennel, evening primrose, false dandelion, fall panicum, fennel, fiddleneck, field pennycress, field sandbur, filaree, Florida pusley, foxtail, garden spurge, goosegrass, green foxtail, hemp sesbania, henbit, horseweed/marestail, ironweed, knotweed, lambsquarters, little bitter cress, London rocket, maiden cane, mallow, mayweed, mouseear chickweed\*, oxalis\*, Pennsylvania smartweed, pennywort, pigweed, prickly lettuce, prostrate spurge, puncture vine, purslane, redroot pigweed, sandspur, shepherdspurge, smartweed, smooth cat's ear, smooth pigweed, sowthistle, spotted spurge, sprangletop, spurges, tansy mustard, tansy ragwort, teaweed, Texas panicum, tumble mustard, velvetleaf, wild geranium\*, witchgrass, wild mustard, yellow nutgrass, yellow oxalis] [and many other annual grasses and weeds] [controls many unwanted plants] [kills most types of weeds and grasses].

**[Perennial weeds, grasses and brush [Tough weed control]:**

Alder, artichoke thistle, bahiagrass, banyardgrass, bentgrass, Bermuda grass, blackberries, bluegrass, broadleaf plantain, brownseed paspalum, buckhorn plantain, bull thistle, Canada thistle, cattail, ceanothus, centipede grass, cherry, cocklebur, cogongrass, common mullein, common ragweed, coralbead, coyote brush, creeping bentgrass, creeping Charlie, creeping lantana, curly dock, dallisgrass, dandelion, dewberry, dog fennel, elderberry, false dandelion, fescue species, field bindweed, guineagrass, hairy crabgrass, honeysuckle, horsetail, horseradish, iceplant, Johnsongrass, Kentucky bluegrass, kikuyugrass, knapweed, knawel, kudzu, lantana, maiden cane, milkweed, mouseear chickweed\*, multflora rose, nimblewill, nutgrass (nutsedge), oak species, oldenlandia, orchardgrass, oxalis\*, pampasgrass, pennywort, perennial ryegrass, plantain, poison oak, poison ivy, poison hemlock, primrose, purple cudweed\*, purple nutsedge, quackgrass, quaking aspen, ragweed, raspberry, red clover, smooth bromegrass, sourdock, sowthistle, St. Augustinegrass, sumac, tall fescue, tansy ragwort, thistle, timothy, torpedograss, trumpet creeper, vaseygrass, Virginia creeper, white clover, whitetop, wild barley, wild blackberry, wild carrot, wild morning-glory, wild oats, wild sweet potato, willow, yarrow, yellow nutgrass, yellow starthistle, zoysia] [and many other perennial grasses, weeds, brush and sedges] [controls many unwanted weeds/plants] [kills most types of weeds and grasses].

\*Annual or Perennial

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. {Read the entire panel before using this product.} [Use only according to label instructions observing all precautions].

**Note:** See the **CONSUMER INFORMATION** section of this label for important information on protecting plants you like.

**[When to use] [When to apply]:**

Apply to actively growing weeds, preferably before the seed heads form. Completely spray the

foliage of the weeds and grasses you want to kill until thoroughly wet. It's best to apply on a warm sunny day when daytime temperatures are above 60° F. Weed control is accelerated by warm sunny weather. Apply when the wind is calm. [Rainfast in 2 hours.] [Rain or watering 2 hours after application will not wash away effectiveness.] Most treated weeds usually show initial symptoms in 2-4 days and complete kill in 1-2 weeks. Hard-to-control weeds may require a second application if not completely dead in 4 weeks.

**[How to use][How to apply]**

This product is formulated for "spot" treatment of individual weeds and grasses or for treatment of large areas as instructed on this label (see specific site areas below). Apply with a plastic, aluminum or stainless steel tank-type sprayer.

Do not apply with galvanized or unlined steel sprayer, or through any irrigation system or sprinkling can.

Use a tank-type sprayer with a coarse spray nozzle for spot treatments. Use [the ORTHO Dial 'n Spray] [a hose-end sprayer] to treat large areas such as for lawn renovation or to prepare sites for planting flower beds or vegetable gardens.

Apply to evenly and thoroughly wet weeds and grasses.

Apply **Glyfos** using any of the following equipment:

- Plastic, aluminum or stainless steel tank sprayer
- ORTHO Dial' N Spray®
- ORTHO Spray-Ette®
- A hose-end sprayer recommended for weed killers
- Hand-trigger pump sprayer

**Cleaning Application Equipment:**

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

**[Directions if container has a measuring cap:]**

**Measuring Cap:** To open, squeeze the sides at the points indicated while unscrewing. There are [four] or [n] levels marked inside the measuring cap. Use the following table and the measuring cap to determine the amount of **Glyfos** to mix. Close cap tightly after use. No need to rinse cap.

Level 1 = 1 teaspoon (tsp)

Level 2 = 1 Tablespoon (Tbs) = 3 tsp

Level 3 = 1 fl oz (2 Tbs)

Level 4 = 2 fl oz (4 Tbs)

Level *n* = *n* fl oz

*[Note to reviewer: The measuring cap may have more than 4 levels or at different intervals than noted above. If necessary, additional levels will be mentioned with appropriate conversions]*

APPLICATOR	MIXING INSTRUCTIONS		AREA TO TREAT
	General Weed Control Annuals	Tough Weed Control Perennials or Brush or Lawn Renovation	
Standard Tank Sprayer	Fill cap to Level 2 three times (3 Tbs) [or equivalent depending on cap size]. Add this to 1 gallon of water.	Fill cap to Level 2 five times (5 Tbs) [or equivalent depending on cap size]. Add to 1 gallon of water.	300 sq ft (30 ft x 10 ft)

ORTHO Dial 'n Spray Hose-End sprayer; or [Dial-type] Hose-End Sprayer	Fill cap to Level 2 three times (3 Tbs) [or equivalent depending on cap size] and add to sprayer jar. DO NOT ADD WATER. Set dial to 1½ oz and spray.	Fill cap to Level 2 five times (5 Tbs) [or equivalent depending on cap size] and add to sprayer jar. DO NOT ADD WATER. Set dial to 2½ oz and spray.	300 sq ft (30 ft x 10 ft)
ORTHO Spray-Ette; or 6 Gallon Hose-End Sprayer	Fill cap to Level 4 three times (6 oz) [or equivalent depending on cap size] and add to sprayer jar. Fill to the 4 gallon mark and spray.	Fill cap to Level 4 five times (10 oz) [or equivalent depending on cap size] and add to sprayer jar. Fill to the 4 gallon mark and spray.	1200 sq ft (30 ft x 40 ft)
Hand trigger sprayers	Fill cap to Level 1 two times (2 tsp) [or equivalent depending on cap size]. Add this to 24 oz of water.	Fill cap to Level 2 one time (1 Tbs). Add this to 24 oz of water.	Use for spot treatments or application to single weeds.

**[Directions for use when measuring cap packaging is not used]**

Use the following table to determine the amount of **Glyfos** to mix with water. Close cap tightly after use. No need to rinse cap.

- 1 teaspoon (tsp)
- 1 tablespoon (Tbs) = 3 tsp.
- 1 fl oz (2 Tbs)
- 2 fl oz (4 Tbs)

APPLICATOR	MIXING INSTRUCTIONS		AREA TO TREAT
	General weed control annuals and seedling weeds	Tough weed control perennials or brush or lawn renovation	
Tank Sprayer	Use 1½ oz (3 Tbs) Glyphos in 1 gallon of water.	Use 2½ oz (5 Tbs) Glyphos in 1 gallon of water.	300 sq ft (30 ft x 10 ft) or use for spot treatments
ORTHO Dial 'n Spray Hose-End sprayer; or Hose-End Sprayer	Add 1½ oz (3 Tbs) Glyphos to sprayer jar. DO NOT ADD WATER. Set dial to 1½ oz and spray.	Add 2½ oz (5 Tbs) Glyphos to sprayer jar. DO NOT ADD WATER. Set dial to 2½ oz and spray.	300 sq ft (30 ft x 10 ft)
ORTHO Spray-Ette; or 6 Gallon Hose-End Sprayer	Add 6 oz Glyphos to sprayer jar. Fill to the 4 gallon mark and spray.	Add 10 oz Glyphos to sprayer jar. Fill to the 4 gallon mark and spray.	1200 sq ft (30 ft x 40 ft)
Hand trigger sprayers 24 oz capacity	Use 2 tsp in 24 oz of water.	Use 1 Tbs in 24 oz of water.	Use for spot treatments or apply to single weeds
Hand trigger	Use 2 2/3 tsp in 32 oz of	Use 1 1/3 tbs in 32 oz of	Use for spot

sprayers 32 oz capacity	water	water	treatments or apply to single weeds.
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This product can be used to refill **Glyfos Ready-To-Use [specific product number] Weed & Grass Killer**, following mixing directions on the label. Use the mixed solution within 2 weeks.

**[Where to use] [Use sites] [Use situations]**

**General weed control:** Use near fences, in paths, patios, sidewalks, curbs and driveways, around ornamental trees, shrubs, flower beds and plantings, around buildings. Controls weeds in brick and gravel walks. Use for trimming and edging landscapes. NOT recommended for spot weed treatment in lawns, since **Glyfos** kills all green plants, including lawn grasses. If replacing a lawn or parts of a lawn, see **For lawn renovation/replacement** recommendations on this label.

**Spot treatments:** Direct spray on undesirable weeds and grasses in and around flower beds, ornamental trees, fruit and nut trees, grapevines, shrubs, fences, driveways and walkways. Spray when air is calm. Prevent **Glyfos** spray from contacting the leaves, green stems, or exposed roots of plants you like. Use a cardboard or plastic shield to protect desirable plants from spray or drift. **Glyfos** will not move in or on the soil to untreated plants. If **Glyfos** is used to control weeds around fruit or nut trees or grapevines, wait **21 days** before eating the fruit or nuts.

**Landscapes:** For use in preparing areas for planting of ornamentals, trees, shrubs, desert landscapes, rock gardens, flower beds or similar plantings. Treated areas can be planted **1 day** after treatment.

**Wildlife areas site preparation:** Use **Glyfos** to prepare areas for planting wildlife food plots. Exotic or undesirable plants can be controlled with **Glyfos** to allow for planting or recovery of native plant species. Spot treatments may be directed to selectively remove unwanted plants. Avoid spray drift to desirable plants.

**For lawn renovation/replacement:**

Use **Glyfos** to kill existing vegetation (weeds and grasses and the old lawn).

Apply in spring or fall, when daytime temperatures are at least 60° F for best results.

If the lawn is dry, water lawn every other day for 7 days before applying **Glyfos**.

Do not mow for 7 days before or after treatment.

Use 2½ fl oz per gallon of water for each 300 sq ft of area to treat.

Wait 7 days after application to prepare the soil by raking, leveling or rototilling.

Rake up and remove loosened thatch or debris.

Work in starter fertilizer and soil amendments, if needed. Level the soil.

Sow new seed according to directions on seed package, or install sod. Grass seed must have good contact with soil to germinate and grow. Use temporary mulch such as straw to conserve moisture.

Keep area moist for 2 weeks to establish new lawn. Water as needed.

**To Control Brush or Vines:** Apply to green and actively growing brush or vines. For plants taller than 5 feet, cut them back and spray the regrowth. Fall applications to brush may delay control to the following season. A second application may be required on hard-to-control species such as blackberry, kudzu, or poison oak.

To kill vines growing up a pole, fence or mature tree trunk, cut vine to a height of 3 to 4 feet and spray thoroughly covering remaining vine. If vine is climbing a shrub or immature (green) tree trunk, to avoid damage to these plants, cut vine at base and treat as directed for stumps or spray regrowth. If spraying regrowth shield shrub and green trunk from drift with a sheet of plastic or cardboard.

**Stump Treatment:** Stumps can be treated to prevent regrowth. Apply **Glyfos** when vegetation is actively growing or immediately (within 5 minutes) after being cut down.

- Cut stump close to the soil surface.
- Make 4-5 nail holes into the stump.
- Flood the stump with undiluted product.

This treatment will suppress or control many types of woody brush and trees, such as alder, bluegum eucalyptus, madrone, oak, giant reed, saltcedar, sweetgum, and tan oak.

**[When to replant][Re-Planting instructions]  
[Reseeding and replanting in treated areas]**

All ornamental flowers, trees and shrubs [and the following berries, fruits, vegetables and herbs] may be planted **1 day after** application.

[Artichoke (Jerusalem), beans (all), beet greens, blackberry, blueberry, boysenberry, broccoli, brussels sprouts, cabbage (all), carrot, cauliflower, celery, chard (Swiss), chicory, collards, cranberry, currant, dewberry, elderberry, endive, gooseberry, horseradish, huckleberry, kale, kohlrabi, leek, lentils, lettuce, loganberry, mustard greens, okra, olallieberry, onion, parsley, parsnips, potato, radish, rape greens, raspberry (black and red), rhubarb, rutabaga, spinach, sweet potato, turnip and yams.]

The following fruits, vegetables and herbs may be planted **3 days after** application:

Corn, cucumber, eggplant, garlic, gourds, melons (all), peas (all), peppers (all), pumpkin, squash (summer and winter), tomatillo, tomato\* (by seed) and watercress.

\*Note: Wait 3 days before planting tomatoes from seed and **30 days** for rooted tomato transplants. For tomato transplants or vegetables not listed, wait **30 days** after spraying before planting into treated soil.

**Fruit and Nut Trees, Caneberries and Grapevines:** Allow **21 days** before eating the fruits or nuts when using **Glyfos** to control weeds around fruit or nut trees, caneberries and grapevines.

**STORAGE AND DISPOSAL**

**Pesticide Storage:** Use and store this product only in its original container. Store product in a secure storage area away from sources of heat or open flame. Protect product from freezing.

**Pesticide Disposal:**

Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

Call your local solid waste agency [or 1-800-CLEANUP] for disposal instructions. Never place unused product down any indoor or outdoor drain.

**Spill or leak:** In case of spill or leak, soak up with paper towels and discard in trash.

**DISCLAIMER**

The label instructions for the use of this product reflect the opinion of experts based on field uses and tests. The directions are believed to be reliable and should be followed carefully.

However, it is impossible to eliminate all risks inherently associated with use of this product. Desirable plant 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 Cheminova. All such risks shall be assumed by the user.

Cheminova warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use therein described when used in accordance with the Directions for Use set forth in the label, subject to the risks referred to above.

Any damage arising from a breach of this warranty shall be limited to direct damages and shall not include consequential commercial damages such as loss of profits or values or any other special or indirect damages.

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