

# GLYGRAN WDG

- A Non-selective and Systemic Postemergent Herbicide for Weed Control on Commercial, Industrial & Residential Sites.
- Provides Systemic Control of Listed Broadleaf Weeds, Grasses, Woody Brush and Trees.

**ACTIVE INGREDIENT:**

Glyphosate: N-(phosphonomethyl) glycine ..... 80.0%

**INERT INGREDIENTS:** ..... 20.0%

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

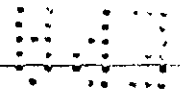
**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

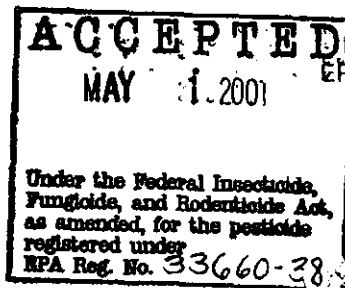
Si Usted no entiende la etiqueta, busque a alguien para que se la explique a Usted en detalle.  
(If you do not understand this label, find someone to explain it to you in detail).

**SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND COMPLETE DIRECTIONS FOR USE**

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EPA Reg. No. 33660-38  
EPA Est. No. 11773-IA-01

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS

### CAUTION

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wear long-sleeved shirt and long pants, socks and shoes, and waterproof gloves. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

### FIRST AID

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

<b>If On Skin:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If In Eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses if present, after the first 5 minutes, then continue rinsing.</li> </ul>
<b>If Swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water.</li> <li>• Avoid alcohol.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> </ul>
<b>If Inhaled:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>

**Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

### ENVIRONMENTAL HAZARDS

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 contaminate water by cleaning of equipment or disposal of equipment washwaters.

### PHYSICAL OR CHEMICAL HAZARDS

Spray solutions containing this product should be mixed, stored and applied using only stainless steel, aluminum, fiberglass, plastic or plastic-lined steel containers. **DO NOT mix, store or apply this product or spray solutions of this product in galvanized steel or unlined steel (except stainless steel) containers or spray tanks.** This product or spray solutions containing this product react with such containers and tanks to produce hydrogen gas, which may form a highly combustible gas mixture. This gas mixture could flash or explode, causing serious personal injury, if ignited by open flame, spark, lighted cigarette, welder's torch or other ignition source.

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## DIRECTIONS FOR USE

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

**READ AND FOLLOW ALL DIRECTIONS AND USE PRECAUTIONS ON THIS LABEL PRIOR TO APPLICATION. NOT FOR USE ON PLANTS BEING GROWN FOR SALE, OR OTHER COMMERCIAL USE ON SOD, OR FOR COMMERCIAL SEED PRODUCTION, OR FOR RESEARCH PURPOSES.**

## STORAGE AND DISPOSAL

**Prohibitions:** Do not contaminate water, food or feed by storage or disposal. Do not store under conditions which might adversely affect the container or its ability to function properly. Such conditions include, but are not limited to, positioning of the container in storage, storage temperature, potential for crushing or damage due to stacking, and penetration of moisture.

**Storage:** Store in a safe manner. Store in original container only. Store in a cool, dry place. Reduce stacking height where local conditions, such as humidity or pallet overhang can affect package strength.

**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<sup>1</sup>:** Completely empty contents of bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**Container Disposal<sup>2</sup>:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke

**DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.**

**NOTICE:** Apply this product in a manner to avoid drift. Extreme care must be used when applying this product to prevent injury to desirable plants. This product is a non-selective herbicide and can injure or destroy all vegetation contacted. Avoid spray contact with the foliage of desirable turf, ornamentals, shrubs or trees. Avoid spray contact with green bark or exposed non-woody roots of desirable trees and shrubs. If spray contacts desirable plants, they should be rinsed immediately with water. Do not apply during gusty or windy conditions. Use pressure and nozzle types that will not result in splatter or fine particles (mist) which are likely to drift.

**General Information:** This product mixes readily with water and should be used as a foliar spray to control listed plants. This product may be applied through equipment providing a broadcast spray or hand-held and high-volume spray equipment such as knapsack and backpack sprayers, pump-up pressure sprayers, handguns, handwands and other hand-held and motorized spray equipment to direct spray onto weed foliage. Refer to the appropriate sections below for specific equipment use instructions and rates of application

GLYGRAN WDG is recommended for noncrop or nonplanted areas such as right-of-ways, including railroads, dividers and medians; pipelines, public utility lines, including pumping stations, transformer stations and substations; around electric yards, fence

lines and parkways. Also, around ornamental plantings and trees, walkways, patios, along driveways and around golf courses, parking areas, industrial sites, parks, playgrounds, petroleum farms, fence posts, schools, signposts, and storage areas.

Apply this product when plants are actively growing and sufficient foliage is available. Unless otherwise directed, allow 7 days or more after application before tillage, mowing or removal of treated weeds. Watering or irrigation should be delayed for 24 to 48 hours following treatment. Repeat treatments may be necessary to control plants regenerating from underground plant parts or seed. Application to undesirable deciduous species containing some autumn color development is acceptable provided no major leaf drop has occurred. Reduced performance may result if fall treatment is made following a severe frost

GLYGRAN WDG is a non-selective herbicide that, upon foliar contact, is translocated throughout the plant system into the roots. Visible effects on most annual weeds will be observed within 2 to 4 days. For perennial weeds, visible effects may not be observed for 7 days or more. Cool or overcast conditions following application may slow activity of this product, resulting in a delay of visible effects. Visible effects include wilting and yellowing or browning of above ground plant growth and deterioration of underground plant parts

Rainfall or irrigation shortly after application may reduce the effectiveness of this product and a repeat application may be needed for desirable control.

This product does not provide residual weed control. For extended weed control, re-applications of this product will be necessary or tank mixture use of a residual herbicide will be needed such as, Oust™, Karmex DF™, Krovar I DF™, Arsenal™, and Escort™ †. (not in California)

## PREPARATION OF SPRAY SOLUTION

**Broadcast Applications:** When applied as directed and under conditions described, GLYGRAN WDG will control weeds listed below. Apply the recommended rates in 20 to 50 gallons of water per acre by ground application. See the "Weeds Controlled" section of this label for specific rates. As density of weed growth increases, spray volume should be increased within the recommended range to ensure adequate coverage. For best results with ground application equipment, use flat fan nozzles. Check for even distribution of spray droplets.

To prepare the spray solution, completely fill the mixing or spray tank with the required amount of water and start agitation. Add the recommended amount of this product and surfactant if used. If foaming occurs, use an approved anti-foam or defoaming agent.

**Hand-Held and High-Volume Equipment Applications:** Fill spray tank with clean water and add the recommended amount GLYGRAN WDG. Agitate the mixture until product is thoroughly mixed. Apply on a spray-to-wet basis. Spray coverage should be uniform and complete. Do not spray to the point of run-off

**For control of annual weeds** listed on this label, apply 1/2 oz. GLYGRAN WDG plus 0.5% solution of a nonionic surfactant per gallon of desired spray volume for weeds under 6 inches in height. Apply prior to seedhead formation in grass or bud formation in broadleaf weeds. For annual weeds over 6 inches tall, or when not using additional surfactant, apply 2/3 oz. GLYGRAN WDG per gallon of desired spray volume

<sup>1</sup> For product packaged in plastic bags

<sup>2</sup> For product packaged in plastic containers/jugs/pails

† Oust™, Karmex DF™, Krovar I DF™, and Escort™ are registered trademarks of E.I. DuPont. Arsenal™ is a registered trademark of American Cyanamid

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**For control of perennials, woody brush and trees**, apply 1 oz. GLYGRAN WDG per gallon of desired spray volume.

Agriculturally approved colorants and marking dyes may be added to this product as desired. Follow manufacturer's recommendations when using colorants or dyes.

Nonionic surfactants which are labeled for use with herbicides may be used with this product to increase effectiveness for hard to control weeds. Follow manufacturers labeled recommendations for appropriate use rates. Do not reduce the rate of this product when adding additional surfactant.

**Equipment Maintenance and Cleaning:** Triple-rinse sprayer and flush all sprayer components with water to remove residues of this product. Check sprayer nozzles and seals prior to and after each use to remove foreign debris and confirm integrity of seals. After thorough cleaning, spray equipment may be used to apply other chemical products.

**Commercial/Residential Site Treatment:** This product is inactive in the soil and following removal of weeds, any ornamental species, bedding plant, turfgrass, tree or shrub species may be planted. Where treated vegetation will not be disturbed, planting may be done 1 day following treatment.

**Lawn/Turf Area Renovation:** Seedbed preparation and seeding, sodding or sprigging of turfgrass species may take place 7 days following treatment of undesirable weeds or turfgrass. Where treated vegetation will not be disturbed by seedbed preparation (tillage, aeration, power raking, etc.), seeding may take place 1 day following treatment.

**Post-Directed Treatments:** This product can be used for spot-treatment of weeds and undesirable vegetation existing in shrub beds, around ornamental plantings, and ground covers.

Avoid spray contact with desirable plants. To avoid injury on desirable plants, avoid spray or drift contact with foliage, stems, bark or exposed non-woody roots. Do not spray into, or over the top of, desirable plants, trees or shrubs.

**Edge Treatments:** GLYGRAN WDG can be used to control weeds for trimming and edging around many structures, including buildings, sidewalks, roadways, park benches, golf course markers, trees, light posts, signs, fence posts, patios, fence rows, gravel and bark mulch beds, etc.

## WEEDS CONTROLLED

### Annual Weeds:

Apply to actively growing annual grass and broadleaf weeds. Allow at least 3 days following treatment before disturbing treated vegetation. After 3 days, treated weeds and grass may be removed.

For broadcast applications, apply at the rate of 0.9 to 1.35 lbs. GLYGRAN WDG per acre. Use the lower rate on weeds less than 6" in height and the higher rate on weeds over 6" in height or if weeds are growing under stressed conditions.

When applied as directed, this product will control the following annual weeds:

Barley: little, wild	Foxtails	Ragweed, giant
Barnyardgrass	Geranium, Carolina	Rye
Bassia, fivehook	Goosegrass	Ryegrass, Italian
Bedstraw, catchweed	Groundsel, common	Sandbur, field
Bluegrass, annual	Hemp sesbania	Shattercane
Bluegrass, bulbous	Henbit	Shepherdspurse
Bromes	Horseweed/Marestail	Signalgrass, broadleaf
Buttercup	Johnsongrass, seedling	Smartweed, Pennsylvania
Cheat	Kochia	Sowthistle, annual
Chervil	Lambsquarters, common	Spanishneedles
Chickweed: jagged, mouseear	Lettuce, prickly	Speedwell, corn
Clovers	Morningglory (Ipomoea spp.)	Spurry, umbrella
Cocklebur	Mustards	Stinkgrass
Crabgrass	Oats	Sunflower
Dwarf dandelion	Panicum	Thistle, Russian
Falseflax, smallseed	Pennycress, field	Velvetleaf
Fiddleneck	Pigweeds	
Flaxleaf fleabane	Purslane, common	Wheat
Foxtail, giant	Ragweed, common	Witchgrass

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**Biennial/Perennial Weeds:**

Apply to actively growing weeds. Allow at least 7 days following treatment before disturbing treated vegetation. After 7 days, treated weeds may be mowed, tilled or burned. Re-treatments may be needed to control weeds regenerating from underground plant parts or seeds.

For broadcast applications, apply at the rate indicated below. Use the higher recommended rate for larger plants and/or dense areas of growth.

When applied as directed, this product will control the following biennial/perennial weeds:

	Rate - lbs./acre		Rate - lbs./acre
Alfalfa	0.9	Knapweed	3.6
Alligator weed*	3.6	Kudzu	2.7 - 3.6
Bahiagrass	2.7 - 4.5	Lantana	2.7 - 3.6
Bentgrass	1.35	Lespedeza	2.7 - 4.5
Bermudagrass	4.5	Milkweed	2.7 - 3.6
Bindweed, field	3.6 - 4.5	Muhly, wirestem	1.8
Bluegrass, Kentucky	1.8	Mullein, common	2.7
Bluestem, silver	0.9 - 2.7	Napiergrass	2.7 - 4.5
Blueweed, Texas	3.6 - 4.5	Nightshade, silverleaf	1.8
Brackenfern	2.7 - 3.6	Nutsedge, purple, yellow	2.7
Bromegrass, smooth	1.8	Orchardgrass	1.8
Broomsedge	1.8 - 2.7	Pampasgrass	2.7 - 4.5
Canarygrass, reed	1.8 - 2.7	Paragrass	2.7 - 4.5
Cattail	2.7 - 4.5	Phragmites*	2.7 - 4.5
Clovers	2.7 - 4.5	Puncturevine	0.9 - 2.7
Cogongrass	2.7 - 4.5	Quackgrass	1.8 - 2.7
Dallisgrass	2.7 - 4.5	Raspberry	3.6 - 4.5
Dandelion	2.7 - 4.5	Redvine*	1.8
Dewberry	0.9 - 2.7	Reed, giant	3.6 - 4.5
Dock, curly	2.7 - 4.5	Ryegrass, perennial	1.8 - 2.7
Dogbane, hemp	3.6	Smartweed, swamp	2.7 - 4.5
Fescues	0.9 - 2.7	Starthistle, yellow	1.8 - 2.7
Fescue, tall	0.9 - 2.7	Thistle, artichoke	1.8 - 2.7
Guineagrass	2.7	Thistle, Canada	1.8 - 2.7
Honeysuckle	2.7 - 3.6	Timothy	1.8 - 2.7
Horsenettle	2.7 - 4.5	Torpedograss*	3.6 - 4.5
Horseradish	3.6	Trumpet creeper	3.6 - 4.5
Ice Plant	1.8	Vaseygrass	2.7 - 4.5
Johnsongrass	1.8 - 2.7	Velvetgrass	2.7 - 4.5
Kikuyugrass	1.8 - 2.7	Wheatgrass, western	1.8 - 2.7

\*Partial control

**Woody Brush and Trees:**

For broadcast applications, apply at the rate indicated below. Use higher recommended rates for larger plants and/or dense growth. Ensure thorough coverage when using spray-to-wet treatments.

When applied as directed, this product will control or partially control the following woody brush, plants and trees:

	Rate - lbs./acre		Rate - lbs./acre
Alder	3.6 - 3.9	Oak, southern red	2.7 - 3.6
Ash	1.8 - 4.5	Oak, white	2.7 - 4.5
Aspen, quaking	1.8 - 2.7	Persimmon*	1.8 - 4.5
Bearmat (Bearclover)	1.8 - 4.5	Pine	2.7 - 4.5
Birch	1.8	Poison Ivy	3.6 - 4.5
Blackberry	2.7 - 3.6	Poison Oak	3.6 - 4.5
Cascara*	1.8 - 4.5	Poplar, yellow*	1.8 - 4.5
Ceanothus*	1.8 - 4.5	Redbud, eastern	2.7 - 4.5
Chamise	1.8 - 4.5	Rose, multiflora	1.8
Cherry: bitter, black, pin	1.8 - 2.7	Russian-olive	1.8 - 4.5
Elderberry	1.8	Sage, Black	2.7 - 4.5
Elm*	1.8 - 4.5	Sagebrush, California	2.7 - 4.5
Hawthorn	1.8 - 2.7	Salmonberry	1.8
Eucalyptus	3.6 - 4.5	Sassafras	1.8 - 4.5
Hazel	1.8	Sourwood	1.8 - 4.5
Locust, Black*	1.8 - 3.6	Sumac	1.8 - 3.6
Manzanita	1.8 - 4.5	Sweetgum	1.8 - 2.7
Oak	1.8 - 3.6	Swordfern*	1.8 - 4.5
Oak, northern	3.6 - 4.5	Sycamore	2.7 - 4.5
Oak, pin	3.6 - 4.5	Thimbleberry	1.8
Oak, post	4.5	Waxmyrtle, southern	1.8 - 4.5
		Willow	2.7

\*Partial Control

**Time of Application**

For best results, in arid climates make treatments in the spring or early summer when brush species are at a high moisture content. In areas of spring and summer rainfall, best results are obtained when application is made in late summer or early fall after fruit formation.

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## CONDITION OF SALE

The label instructions and directions for use on this product reflect the opinion of experts based on field use 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 the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, soil composition, type of vegetation, presence of other materials, or the manner of use or application, all of which are beyond the control of I.P.I.CI. [AUSTRITAL]

ALL SUCH RISKS ARE ASSUMED BY THE BUYER.

## LIMITED WARRANTY AND DISCLAIMER

I.P.I.CI. [AUSTRITAL] warrants 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. I.P.I.CI. [AUSTRITAL] makes NO OTHER warranty, expressed or implied, concerning the use of this product other than as indicated on the label. Buyer assumes all risk of use and/or handling that is contrary to label instructions.

The warranty does not extend to use of this product contrary to the label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to I.P.I.CI. [AUSTRITAL], and the buyer assumes the risk of any such use.

## READ THE LABEL BEFORE USING

Neither I.P.I.CI. [AUSTRITAL] nor any seller of this product makes, and their employees and agents are not permitted to make, any representations or warranties, express or implied by law, not specifically set forth herein.

Buyer assumes the risk to persons or property arising from the use of handling this product not in strict accordance with the directions given herewith, and ACCEPTS THE PRODUCT ON THAT CONDITION.

## USES WITH OTHER PRODUCTS (TANK MIXES)

Glygran WDG does not provide residual vegetation control. Weeds germinating from seed after treatment will not be controlled. For residual vegetation control, follow a label approved herbicide program. When tank mixing Glygran WDG with other herbicides, all applicable directions, restrictions, and precautions for the additional herbicides must be followed. Use the most restrictive limitations stated on the product labels. Before initiating full scale tank mix application, the physical compatibility of the proposed mixture should be evaluated on a small scale of recommended spray mixture concentrations. Also, such mixtures should be evaluated for vegetation control before expanding commercial use.

## LIMITATIONS OF LIABILITY AND DAMAGES

The liability of I.P.I.CI. [AUSTRITAL] and any other seller for any loss or injury, whether based on negligence, breach of warranty, strict liability in tort, or any other cause of action, shall be limited to the purchase price of the product. Prompt notice of any claim must be given by the buyer to I.P.I.CI. [AUSTRITAL] within ninety days after the application of the product or ninety days after the first planting, whichever is later. Notification to I.P.I.CI. [AUSTRITAL] should be at this address: Industria Prodotti Chimici, S.p.A. (I.P.I.CI.) Via F. Beltrami, 11, 20026 Novate Milanese, Italy [AUSTRITAL, Avenida Arringa 77 - 506, PT-9000-060 Funchal, PORTUGAL].

I.P.I.CI. [AUSTRITAL] and any other seller of the product shall not be liable, and any and all claims against I.P.I.CI. [AUSTRITAL] and any other seller are waived, for special, indirect, incidental, or consequential damages or expenses of any nature, including, but not limited to, loss of profits or income, and crop or property loss or damage resulting from use of the product not in strict accordance with the directions, whether or not based on negligence, breach of warranty, strict liability in tort or any other cause of action.

I.P.I.CI. [AUSTRITAL] OFFERS THIS PRODUCT AND THE BUYER AND USER ACCEPT IT SUBJECT TO THE FOREGOING CONDITIONS OF SALE AND LIMITATIONS OR WARRANTY, LIABILITY AND DAMAGES, WHICH MAY BE VARIED ONLY BY AGREEMENT IN WRITING SIGNED BY A DULY AUTHORIZED REPRESENTATIVE OF I.P.I.CI. [AUSTRITAL].