



**GLORY™**  
EPA Reg. No. 66222-106  
Herbicide For Control of Certain Broadleaf Weeds  
EPA SLN PA-130003

**FIFRA 24(c) SPECIAL LOCAL NEED  
FOR CONTROL OF ALS-RESISTANT CHICKWEED**

**FOR DISTRIBUTION AND USE ONLY WITHIN THE STATE OF PENNSYLVANIA**

<b>ACTIVE INGREDIENT:</b>	<b>% BY WEIGHT</b>
Metribuzin: 4-Amino-6-(1,1-dimethylethyl)-3-(methylthio)-1,2,4-triazin-5(4H)-one.....	75.0%
<b>INERT INGREDIENTS:</b> .....	<u>25.0%</u>
	<b>Total 100.0%</b>

**DIRECTIONS FOR USE**

- It is a violation of Federal law to use this product inconsistent with its labeling.
- This labeling must be in the possession of the user at the time of pesticide application.
- Follow all applicable directions, restrictions, Worker Protection Standard requirements, and precautions on the EPA registered label.
- The full DIRECTIONS FOR USE can be found on the currently registered EPA Stamped Label.
- Expiration Date: December 31, 2015 or until otherwise amended, withdrawn, canceled, or suspended.

**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 the label, find someone to explain it to you in detail).

FAILURE TO STRICTLY FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN INJURY TO CROPS, INEFFECTIVE PEST CONTROL, AND/OR ILLEGAL RESIDUES.

**ENVIRONMENTAL HAZARDS**

For terrestrial uses, do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment wash waters.

**GROUND WATER ADVISORY**

Metribuzin is a chemical which can travel (seep or leach) through soil and can contaminate ground water which may be used as drinking water. Metribuzin has been found in ground water as a result of agricultural use. Users are advised not to apply Metribuzin where the water table (ground water) is close to the surface and where the soils are very permeable, i.e., well-drained soils such as loamy sands. Your local agricultural agencies can provide further information on the type of soil in your area and the location of ground water.

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**CEREALS- WINTER BARLEY AND WINTER WHEAT**

GLORY herbicide is recommended for control of ALS-Resistant Chickweed when applied postemergence to winter barley or winter wheat. GLORY may be applied alone or in tank mixture (see below).

**Mixing:** See the GENERAL INFORMATION section of the product label for specific mixing procedures. When tank mixing, carefully follow the instructions on this label. Refer to the other product labels

registered for use in barley and winter wheat for additional use directions, rates, weeds controlled, and restrictions.

**Application:** GLORY may be applied by aerial or ground application equipment. Use a minimum spray volume of 2 GPA by air and 10 GPA by ground. Uniform spray coverage is necessary to obtain optimum weed control and to minimize potential for crop injury. Do not exceed rate specified on this label. Do not apply GLORY through any type of irrigation equipment. Apply GLORY when the crop is healthy and actively growing. GLORY may be applied more than once per crop season. Allow a minimum of 21 days between applications if wheat is actively growing or allow 45 days between applications if wheat is growing in adverse conditions, has entered dormancy or is stressed due to frost damage, disease, drought, or excessive moisture. Do not use on soils containing less than 0.75% organic matter. Do not apply more than a total of 10.66 ounces GLORY (8 ounces active ingredient) per acre per year. On irrigated cereals, do not apply more than 0.5 inch of water for the first irrigation. The maximum amount for each additional irrigation should not exceed 1 inch. Allow a minimum of 14 days between the first irrigation and subsequent irrigations.

**Performance Factors:** Weed control may not be observed for 2 to 4 weeks under normal growth conditions and for 4 to 6 weeks under very dry conditions. Moisture (at least ½ inch) is required within 2 to 3 weeks after application to move GLORY into the weed root zone. Lack of adequate moisture after application may result in poor or erratic weed control. Control or suppression of listed weeds is dependent on weed size at time of application. Control or suppression may be reduced if broadleaf weeds are taller than 1 inch or grasses have more than 2 leaves.

**Tank mixtures:** GLORY may be tank mixed with Axial, Harmony, Harmony Extra, 2,4-D, MCPA, Banvel/Banvel SGF, Banvel/Clarity, Osprey, Powerflex herbicides. A nonionic surfactant containing at least 80% active ingredient may be used in GLORY tank mixes with sulfonyleurea herbicides. Do not use a crop oil concentrate or any adjuvant containing vegetable or petroleum oils with any GLORY mix as crop injury may result. Additional pesticides may also be tank mixed with GLORY unless specifically prohibited on the mix products' label. In some instances, combinations with organophosphate insecticides may cause temporary leaf yellowing and/or crop injury, especially when widely fluctuating day/night temperatures occur near application.

**Feeding Restrictions:** Do not graze wheat within 14 days of GLORY application or harvest grain within 21 days after last application. Do not graze or harvest barley before crop maturity. For tank mix combinations, follow the most restrictive label.

**SPECIAL PRECAUTIONS: Cereal Injury-Crop injury may occur if GLORY is applied:**

1. When the crop is under stress such as winterkill, frost damage, disease, drought or excessive moisture, severe grazing, or when these conditions follow the application.
2. In combination with fluid fertilizer especially with the addition of surfactant.
3. Prior to the growth stage specified on this label.
4. To soils high in lime or sodium, a pH greater than 7.7, calcareous, gravelly, thinly covered, or exposed subsoil areas.
5. To fields where cereal seeds have been planted less than 1 inch deep.
6. To a non-winter hardy wheat or barley variety.
7. To a sensitive wheat or barley variety as listed below.
8. To frozen soil or crop still in winter dormancy.

**Cereal Rotations Following Potatoes Treated with GLORY:** If planting a sensitive cereal variety (listed under the wheat and barley variety tolerance portion of this label), following potatoes treated with GLORY or metribuzin containing products, refer to the potato section of the GLORY label for special cultural practices to follow.

**APPLICATION RECOMMENDATIONS**

GLORY alone or in a tank mix with labeled broadleaf herbicides may be applied by aerial or ground spray equipment as a broadcast postemergence spray.

RECOMMENDED POSTEMERGENCE BROADCAST APPLICATIONS OF GLORY			
CROP GROWTH STAGE	SOIL TEXTURE	GLORY RATE (oz./A) % ORGANIC MATTER	
		0.75 TO 2.0	OVER 2.0
2 Leaf  To  2 Tiller	<b>Coarse</b>	1 to 2	1 to 3
	<b>Medium</b>	1 to 3	2 to 3
	<b>Fine</b>	2 to 3	2 to 4
	Use these rates on crops with secondary roots smaller than 1 inch.		
3 Tiller  To  4 Tiller	<b>Coarse</b>	3 to 4	4
	<b>Medium</b>	4	4 - suppression
	<b>Fine</b>	4 – suppression	4 - suppression
	Do not apply within 2 weeks after grazing or breaking of winter dormancy. Apply after the crop is at or beyond the 3-tiller growth stage but before jointing. Secondary roots should be developed and larger than 1-inch long. Do not apply before 75 days after planting.		

#### WHEAT AND BARLEY VARIETAL TOLERANCE\*

Varieties below are tolerant to and are recommended for use with GLORY:

**Winter Wheat:** Abe, AgriPro Mason, AgriPro Shiloh, Arthur, AS 7846, AS 7853, Baker Seed 32, Barbie VI, Basin, Batur, Bayles, Becker, Bintee V, Buchshot DS 2368, Caldwell, Cardinal, Cashup, Centurk, Cherokee, Cheyenne, Clark, Coker 747, Coker 762, Coker 797, Coker 68-15, Coker 9134, Coker 9543, Coker 9904, Coker 9907, Daws, DB 533W, DB 562W, DB 580W, Delta King 502, Delta King 9027, Dixie 952, Doublecrop, Dusty, Dyna-gro 426, Dynasty, Excel, Faro, FFR 525W, Florida 302, FS 432, FS 433, FS 435, Gains, Garst 64, Georgia 100, Genie V, Hatton, Hawk, Hill 81, Howell, Hunter, Hyak, Hyslop, Katie VI, KY 16-2, Larned, Lewis 833, Lewjain, Lisa, Longhorn, Luke, Madsen, Magnum, Malcom, McDermid, McNair 1003, McNair 1813, Molly, Moro, Neely, Nelson, Newton, Norstar, Norwin, Nugaines, Oasis, Omega 78, Paha, Peck, Pike, PI 2157, PI 2180, PI 2510, PI 2545, PI 2548, PI 2550, PI 2552, PI 2555, PI 2566, PI 2571, PI 2580, PI 2684, Quantum 577, Redwin, Rocky, Saluda, Sawyer, SC 104, Siouland, Sprague, Southern Belle, Stacy, Stallion, Stephens, TAM W101, TAM 105, TE 877, TE 2548, TE SR204, Timber, Tomahawk, TR 8555, TR 8557, TR 8768, Traveler, Tres, Tyee, Tyler, Verne, Victory, Wakefield, Wanser, Weston, Winalta, Wrangler.

**Barley:** Advance, Boyer, Clark, Compana, Hannchen, Hector, Hesk, Hudson, Lud, Luther, Kamiak, Klages, Olympic, Pirolina, Steptoe, and Triumph.

The following cereal varieties are sensitive to GLORY and are not recommended for use:

**Winter Wheat:** AgriPro Clemens, AT 90W, AT 91W, Arapaho, Baker Seed 33, Century, Cimarron, Coker 833, Coker 916, Coker 983, Coker 9024, Coker 9105, Coker 9323, Coker 9474, Coker 9663, Coker 9835, Coker 9766, Coker 9877, EK 102, EK 114, FFR 555, Florida 304, Freedom, FS 417, FS 423, FS 425, FS 430, Gore, Hazen, Hickory, Jackson, Julie III, KY 49-25, Linden, Madison, Mesa, Mustang, Pacer, PI XW 522, PI 2551, PI 2163, Pioneer 2691, Princeton 733, PSR W 71, PSR 226, PSR 278, Rosen, Savannah, Sierra, TAM 107, TR 101, TR 1011, TR 8822, Triumph 64, Vona, Wings, Winridge, Yamhill.

**Barley:** Glenn, Morex, Moravian 3, Larker, Summit, Bracken, Anheuser Busch B2601, and varieties with Morex parentage.

**Varieties Not Listed:** To avoid possible crop injury on any variety not mentioned in this label, contact MANA or your local agricultural extension herbicide expert for a variety recommendation prior to treatment or treat a small strip of the unlisted variety with the recommended GLORY rate to ascertain crop tolerance before treating an entire field.

**\*Abbreviated names of vendors:** AS (Agseco), AT (Agratech), DB (Diener Bros.), FS (Growmark FS), PI (Pioneer), PSR (Hybritech), SC (J.M. Schultz), TE (Terra), and TR (Terral).

**WEEDS CONTROLLED**

Used at recommended rates, GLORY will control many annual broadleaf weeds. Control is best when applied to young, actively growing weeds. Weeds controlled by GLORY include:

Chickweed, Common\*  
Chickweed, Mouseear\*

\*For optimal control, apply up to weeds <= 4 inches.

**CROP ROTATION RESTRICTIONS****Waiting Period After GLORY Herbicide Application<sup>1</sup>**

<b>4 Months</b> Alfalfa Asparagus Barley <sup>2</sup> Corn Forage Grasses Sainfoin Soybeans Tomatoes Wheat <sup>2</sup>	<b>8 Months</b> Barley Lentils Peas Wheat	<b>12 Months</b> Potatoes Rice  <b>18 Months</b> Sugar Beets Onions And Other Root Crops not listed on this label and all other crops not listed on this label
<sup>1</sup> Cover crops for soil building or erosion control may be planted any time, but do not graze or harvest for food or feed. Stand reductions may occur in some areas.		
<sup>2</sup> Following peas, lentils, or soybeans.		

**24(c) REGISTRANT**

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