Glufosinate-P-Ammonium Active

Herbicide – Powered by **Glu-L**™ Technology

BASF
We create chemistry

Glufosinate-P-Ammonium is an advanced active ingredient herbicide powered by the latest glufosinate innovation, Glu-L™ technology, which reduces product bulk and increases weed control efficacy, operational efficiency and sustainability.

GLUFOSINATE-P-AMMONIUM AT-A-GLANCE

Herbicide classification:
Group 10
Organophosphorus

Key crops:
- Soybean
- Cotton
- Corn
- Canola

Weeds controlled:
- Broadleaf weeds
- Grasses

Technology:
Glu-L technology

Application methods:
- Foliar absorbed
- Non-selective
- Contact

Science behind the innovation

Today's glufosinate products are racemic mixture herbicides containing both the herbicidally active L-isomer and the inactive D-isomer. The patented Glu-L technology converts the D-isomer portion of the glufosinate molecule into the herbicidally active stet through a series of enzymatic reactions. This makes the L-Glufosinate, also known as Glufosinate-P, enriched herbicide significantly more efficient while providing increased levels of weed control at lower use rates.

Benefits of Glufosinate-P-Ammonium

Advanced glufosinate for combating resistant weeds.

Provides greater control of broadleaf weeds and grasses over competitive generic glufosinate products.

Reduced product volume for operational efficiency.

Concentrates the product, which results in less product bulk, for greater operational efficiency.

Concentrated formulation for more sustainable farming operations.

Reduces the amount of product applied to control weeds, making farming operations more sustainable for greater operational efficiency.

Treatment and timing by crop

Pre-plant or pre-emergence non-selective burndown treatment	Canola, corn, sweet corn, cotton, soybean, sugar beets
Post-emergence weed control for glufosinate tolerant traits	Canola, corn, sweet corn, cotton, soybean, sugar beets
Post-emergence weed control herbicide	Tree, vine, berry crops, olives, vine desiccant in potatoes
Pre-plant burndown or post-emergence weed control herbicide	Cucurbits, fruiting vegetables

Not all crops are labeled in all countries. Refer to country specific product labels for registered crops and usage.




TREATED WITH GLUFOSINATE-P-AMMONIUM ACTIVE

UNTREATED

Proven weed control

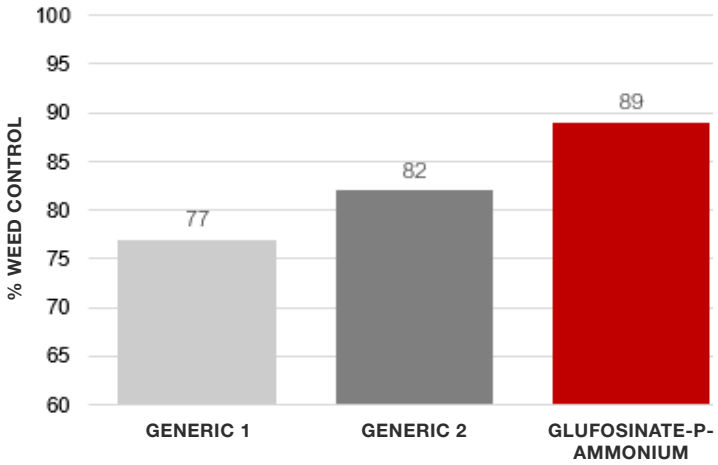
- Tested on more than **3,900 unique plots and 20,000 unique observations** in different locations across the U.S. and under varied environmental conditions
- **3 years** of extensive formulation development
- More than **150 formulations** tested
- **Proven performance** on the toughest-to-control weed species

SOURCE: *BASF, Midwest Research, York, Nebraska; 2022.*

Outperforms the competition

Demonstrated efficiency advantage in the US of up to 12% over tested competitive generic glufosinate products.

PROTOCOL ID: MKD-H-2022-US-D43B-01.0-US **Locations (12):** (ND (3), NE, MO,VA, MN, OH, IN, MI, IA, IL).; **Crop:** soybean; **Weed Size:** 1 – 8", 5.25" average; **Weed Species (41):** AMATA (7), AMAPA (2), AMARE (2), ABUTH (6), SETSS (7), SORBI (1), ECHCG (3), IPOSS (3), XANST (1), CHEAL (4), HIBTR (1), CONCA (1), PORSS (1), DIGSA (1), KCHSC (1); **GPA:** 15 gal/acre, Turbo TeeJet nozzle; **Adjuvants:** AMS (1.5-3 lbs / A) added to all treatments.



Covers more fields

In addition to reducing the amount of product required for application by 25% in the US, Glufosinate-P-Ammonium can also cover more field sections than most competitors.

A 270-gallon tote of Glufosinate-P-Ammonium can cover five more 80-acre field sections than a tote of most competitors at an application rate of 24 fl oz/A compared to racemic glufosinate at an application rate of 32 fl oz/A.

GLUFOSINATE-P-AMMONIUM (18) 80-ACRE SECTIONS

RACEMIC GLUFOSINATE (13) 80-ACRE SECTIONS

ALWAYS READ AND FOLLOW LABEL DIRECTIONS.

Glufosinate-P-Ammonium Active may not be registered for use in all countries and in all regulatory jurisdictions. Regulatory requirements vary among countries and their regulatory authorities. Check with your local BASF representative regarding the use of products in your region. If you have any further questions or need additional support, please contact your BASF sales representative. Glu-L™ technology is a trademark of BASF Corporation. ©2024 BASF. All Rights Reserved.

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