

Glufosinate

Trade Name: Liberty

Chemical Family: Miscellaneous

Mode of Action: Inhibition of glutamine synthetase, leading to accumulation of toxic levels of ammonia.

General Symptoms: All species have a bronze colored appearance.



Figure 1



Figure 2

Figure 1. Soybean injury at 6 days after treatment with 0.036 lb ai/A glufosinate applied at the V6 growth stage.

Figure 2. Soybean injury at 6 days after treatment with 0.36 lb ai/A glufosinate applied at the V6 growth stage.

Injury induced by drift rates of glufosinate may not result in reduced grain yield, whereas a direct application at labeled rates will cause plant death.

Agronomic Use: Glufosinate is a broad-spectrum, foliar-applied herbicide which can be applied preplant for control of emerged weeds or over-the-top of Liberty Link corn.

Additional Information: Glufosinate is weaker on grasses than glyphosate, and weed control is more rate dependent than with other broad-spectrum herbicides. Movement of glufosinate in plants is limited. Glusofinate provides no residual weed control and is rapidly degraded in soil by microbes. The addition of AMS to glufosinate often improves weed control.

Rotational Restrictions: None

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