

NEW

Liberty® ULTRA

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

TECHNICAL
BULLETIN

Why Liberty® ULTRA is a glufosinate game-changer

New Liberty ULTRA includes two breakthrough technologies that make it **the most significant advance for glufosinate herbicides in 35 years.** Trial work shows that Liberty ULTRA is effective at much lower rates than traditional glufosinate 200 g/L formulations, both because it is more concentrated and because it has much higher uptake.

What holds other glufosinate formulations back

- The active ingredient in glufosinate-ammonium contains two isomers: active L-glufosinate (L-GA) and inactive D-glufosinate (D-GA). **About half its isomers have ZERO herbicidal activity**
- As a contact group 10 herbicide, glufosinate is very reliant on optimal spray coverage, droplet retention and uptake into the leaf to be effective

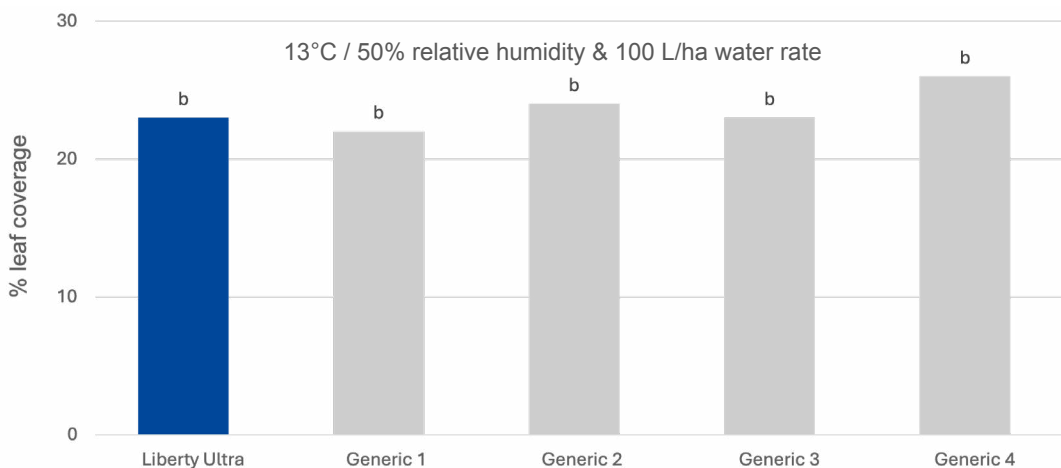
What makes Liberty ULTRA so much more effective

- Liberty ULTRA is uniquely formulated to have no “passenger” D-GA & only contain the herbicidally active L-GA isomer so **100% of its isomers have herbicidal activity**
- Liberty ULTRA also contains a unique surfactant package to improve spray droplet retention, dispersion and uptake

Active ingredient on the leaf



Leaf coverage on Annual ryegrass



Liberty ULTRA's unique surfactant package turns equivalent or even lower spray coverage into significantly better uptake.

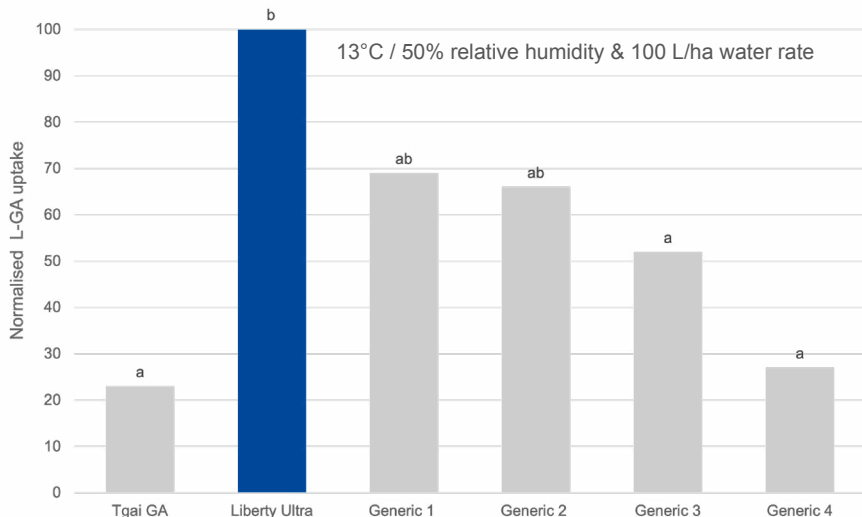
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Annual ryegrass uptake at typical Southern Australian conditions



With a formulation designed for Australian conditions, we can see how the L-isomer of Liberty ULTRA impacts directly on the high levels of uptake in annual ryegrass, Australia's toughest to control grass weed species.

Don't leave it to a generic to do a Liberty ULTRA job.

Generic formulation tested: Kelpie G-Fos, Apparent Weedshot 200, Biffo & Beast 200.
Source credit-BASF Internal Study – Limburgerhorf, Germany

Liberty ULTRA vs traditional glufosinate formulations

	Liberty ULTRA	Generic glufosinate
100% of active ingredient is herbicidal	✓	X
Optimised droplet retention	✓	X
Optimised active ingredient uptake	✓	X
1-day plantback for pre-plant knockdown	✓	X
Registered for use in LibertyLink canola	✓	X
Specifically developed for use in local InVigor varieties	✓	X

Note: the original Liberty formulation is still registered for use in LibertyLink, but has been replaced by Liberty ULTRA.



Scan this QR code for more information on Liberty Ultra or contact your local BASF representative on **1800 558 399**.

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ALWAYS READ AND FOLLOW LABEL DIRECTIONS

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