

NEW

Liberty[®]

Herbicide

FACT SHEET

CONFIDENCE GROWS HERE

Added in-crop flexibility and annual ryegrass control

Use a new mode of action in conjunction with complementary herbicides to control annual ryegrass and many other weeds in **LibertyLink[®] canola crops**, manage resistance issues and reduce ongoing weed pressure in the paddock.



EXCLUSIVELY FOR USE IN
LIBERTYLINK CANOLA

**LIBERTY
LINK[®]**

Weed registrations

Control of annual ryegrass and 27 other grass and broadleaf weeds, and suppression of wild radish

Herbicide MOA group

Group 10
(previously Group N)

Active ingredient

Glufosinate-ammonium

Application method

Ground boom spray only

Application rates

1.5–3 L/ha

Plantbacks

14 days: cereals, pulses, oilseeds

- A new herbicide mode of action for Australian broadacre cropping
- Control of annual ryegrass and other key weeds
- Reduces resistance issues and selection pressure on other modes of action
- Helps maximise the profitability of canola crops
- Use as part of existing herbicide programs with great plantback flexibility
- Control of volunteer canola, and cereals

Improved control of glyphosate-resistant ARG



Glyphosate

Roundup Ready[®]
Plantshield[®] @ 900g/ha



InVigor LT crop

1. **Liberty** 2 L/ha
+ atrazine + clethodim
2. **Liberty** 2 L/ha



InVigor LR crop

1. **Liberty** 2 L/ha
+ clethodim
2. **Liberty** 2 L/ha

Photos taken 17 days after the second of the two sequential Liberty Herbicide applications, 13 days apart, at the 2020 Wagga demonstration trial site where ARG samples showed a moderate level of glyphosate resistance.



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**LIBERTY
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How and when to use Liberty Herbicide

Rates

Annual ryegrass	2 or 3 L/ha in sequential applications 7–14 days apart
27 other weeds	1.5 L/ha in sequential applications 7–14 days apart
Wild radish (suppression)	3 L/ha in sequential applications 7–14 days apart

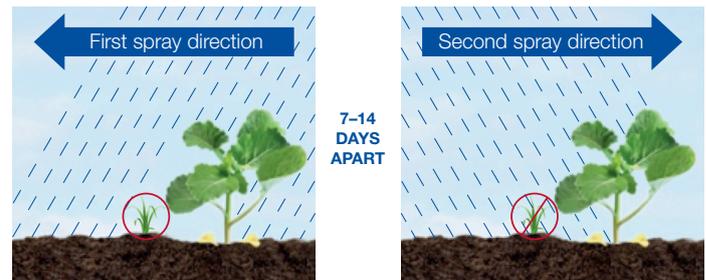
Method

Liberty is a contact herbicide with very limited systemic activity, so good coverage of target weeds is essential.

Use sufficient water to ensure thorough and even spray coverage of the entire target weed – a minimum of 80 L water/ha and higher water rates for larger weeds or dense populations. Consider using twin-jet nozzles.

Best results are achieved by spraying in mild (at least 10°C), sunny conditions.

Make the second Liberty spray pass in the opposite direction to the first. This will increase spray coverage by reducing the impact of crop shading.



Resistance management

Liberty has a Group 10 (Group N) mode of action and belongs to the phosphinic acid group of herbicides. No resistance to Group 10 chemistry has been reported in Australian broadacre cropping, but it is important to use Liberty in rotation with herbicides from other mode-of-action groups as part of an IWM strategy. CropLife resistance management strategies are available from BASF sales representatives and at www.croplife.com.au.

Suggested spray programs

On Liberty triazine (LT) tolerant canola



On Liberty TruFlex (LR) tolerant canola



For more information on Liberty, visit crop-solutions.basf.com.au or contact your local BASF representative on **1800 558 399**



ALWAYS READ AND FOLLOW LABEL DIRECTIONS

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