



INFINITY[®]
ULTRA



INFINITY[®] ULTRA FALLOW CHECKLIST

Infinity[®] Ultra is a broadleaf weed herbicide that contains a unique combination of pyrasulfotole (Group 27) and diflufenican (Group 12) herbicides. When used in combination with glyphosate, Infinity Ultra controls sowthistle and bladder ketmia in fallow.

INFINITY ULTRA AT A GLANCE

Infinity Ultra is predominantly a foliar herbicide, with limited activity via the soil. A follow-up application of a suitable herbicide will generally be required to control plants that emerge after application.












Active ingredients	Pyrasulfotole 250 g/L (Group 27), Diflufenican 125 g/L (Group 12)
Crop safener	62.5 g/L mefenpyr-diethyl
Weed targets	Common sowthistle and bladder ketmia up to 8-leaf stage Application for approval of additional broadleaf weed targets have been made. These are expected to be approved in first half 2024.
Application rate	110 mL + 1.6 L glyphosate 450 g/L (720 g a.i./ha glyphosate)
Water rate	70 – 150 L/ha
Compatibility	Use high-quality glyphosate products from reputable manufacturers for optimum performance
Adjuvant	Apply with Hasten [®] 0.5% or Loveland Products MSO with Leci-Tech [®] at 1.0% v/v
Formulation	Suspension concentrate (SC)
Maximum number of applications	1 application at either fallow or in crop timing in a 12 month period
Withholding period (grazing)	4 weeks
Rainfastness	4 hours under most environmental conditions

KEY ADVANTAGES

- Unique combination of two herbicides, pyrasulfotole and diflufenican with different modes of action.
- Favourable recropping profile, plant back to winter cereal crops in 3 days and a broad range of winter and summer crops in 4 months or less*.
- Versatile mixing partner – tackle a range of difficult weed management conditions.
- Registered for use in wheat (including durum wheat), barley, oats and triticale.
- Good resistance management option, alternative to herbicide Groups 2 (B), 4 (I), 6 (C) and 14 (G).
- Easier to manage off-target movement due to low volatility formulation.
- Decreased antagonism to glyphosate formulations on broadleaf weeds.

*Acid or neutral soils. Refer to label for more details.

CHECKLIST FOR FALLOW APPLICATION

-  **1. Apply with glyphosate**
Infinity Ultra is required to be mixed with a high-quality glyphosate product from a reputable manufacturer at the rate specified on the label. Infinity Ultra displays a reduced level of antagonism to glyphosate formulations compared to some other broadleaf herbicides, providing a useful rotational broadleaf weed control solution in fallow situations.
-  **2. Apply in good growing conditions**
Control of weeds with Infinity Ultra may be reduced if weeds are stressed and aren't actively growing e.g., due to factors such as drought, damage from insects or disease.
-  **3. Use an adjuvant**
Add Hasten 0.5% v/v or Loveland Products MSO with Leci-Tech at 1.0% v/v.
-  **4. Apply Infinity Ultra at the correct label rate**
Apply 110 mL/ha of Infinity Ultra + 720 g a.i./ha glyphosate. Applying Infinity Ultra and glyphosate at use rates below the label rates will compromise weed control and increase the risk of developing herbicide-resistant weeds.
-  **5. Use an adequate water volume of 70 – 150 L/ha of water**
In the case of weeds greater than 4 leaf stage at application, it is recommended that a spray volume at the upper end of the 70 - 150 L water/ha range is used as good coverage is critical to ensure satisfactory levels of weed control.
-  **6. Use medium to coarse spray quality**
Use a medium to coarse spray quality as classified according to ASABE S572.2 definition for standard nozzles. A medium droplet is recommended when Infinity Ultra is applied with less than 100 L water/ha for the most reliable control of weeds. When tank-mixing use the most stringent label requirement for spray quality.
-  **7. Ensure correct mixing order**
Always observe the directions for use and restrictions on the Infinity Ultra label and the label of the tank-mix partner. Spray mixtures promptly after mixing and do not allow the mix to stand unagitated. See Infinity Ultra mixing guide for more information.
-  **8. Clean spraying equipment thoroughly immediately after use**
Cleaning should occur immediately following the last application of Infinity Ultra, or if the sprayer will not be used for several hours. When tank-mixing Infinity Ultra with another product, use the more rigorous recommended clean-up of the products in the tank-mix.
-  **9. Don't follow up with an in-crop application**
A fallow application of Infinity Ultra cannot be followed up with an in-crop application of any product containing pyrasulfotole (ie. Infinity Ultra, Velocity® or Precept®) in the same season.
-  **10. Check crop plant-back requirements on the label**
Minimum re-cropping intervals apply for all crops following the application of Infinity Ultra to minimise the risk of damage to following crops. When tank-mixing Infinity Ultra with other products always observe the directions for use and plant back restrictions on the Infinity Ultra label and the label of the tank-mix partner.
-  **11. Use Infinity Ultra in rotation with other chemical and non-chemical control options.**
Infinity Ultra is a co-formulation of 2 active ingredients from 2 different herbicide modes of action (Group 12 & Group 27). Using multiple modes of action, where the herbicide in each different mode of action is reasonably effective on the target weed, has been proven to delay the development of herbicide resistance of that weed.
-  **12. Follow the Weedsmart 'Big 6' resistance management strategies**
When mixing and rotating herbicides;
 - Rotate between herbicide modes of action.
 - Mix different modes of action within the same herbicide mix or in consecutive applications.
 - Always use full label rates.
 - Incorporate multiple modes of action in a double-knock
 - Test weeds for resistance to know what herbicides will and won't work for you.