



**INFINITY<sup>®</sup>**  
ULTRA



**INFINITY<sup>®</sup> ULTRA**  
PRODUCT GUIDE



**Infinity® Ultra broadleaf weed herbicide is a complementary combination of pyrasulfotole (Group 27) and diflufenican (Group 12). With the versatility to be used in winter cereal crops, either alone or with a tank-mix partner or in fallow tank-mixed with glyphosate. Infinity Ultra allows growers to target hard-to-control weeds in a broad range of agronomic situations.**

## AT A GLANCE

### ACTIVE INGREDIENTS:

Pyrasulfotole 250 g/L (Group 27)

Diflufenican 125 g/L (Group 12)

**FORMULATION:** Suspension concentrate (SC)

**CROPS:** Wheat (including durum wheat), barley, oats and triticale

**TARGET WEEDS IN CROP:** Wild radish, common sowthistle, wireweed and capeweed

### TARGET WEEDS IN FALLOW:

Common sowthistle and bladder ketmia

**IN-CROP TIMING:** Z12–Z30 growth stage of crop

**CROP SAFENER:** Mefenpyr-diethyl 62.5 g/L

**USE RATE IN CROP:** 110 – 140 mL/ha

**USE RATE IN FALLOW:** 110 mL/ha + 720 g a.i. glyphosate

**ADJUVANT:** Hasten® or equivalent 0.5 – 1.0 % v/v, using the higher rate if conditions are cool and cloudy, there is weak crop competition or less than optimal spray coverage.

**WATER RATE:** 70 – 150 L/ha

### MAXIMUM NUMBER OF APPLICATIONS:

1 application at either fallow or in-crop timing

**RAINFASTNESS:** 4 hours under most environmental conditions

**WITHHOLDING PERIOD (GRAZING):** 4 weeks

## KEY ADVANTAGES



High levels of control of a wide range of problematic broadleaf weeds.



Unique combination of two active ingredients, pyrasulfotole and diflufenican.



Favourable re-cropping 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).



Combination of Herbicide Mode of Action Groups 27 and 12 offering a good resistance management option.



Crop safener, mefenpyr-diethyl reduces phytotoxicity in crops, especially in crops under stress that cannot metabolise the herbicide quickly enough.



A useful level of residual control of some key weeds under optimal conditions.

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

## UNIQUE COMBINATION OF TWO ACTIVE INGREDIENTS

Active Ingredient	Mode of Action (MOA) Classification HRAC Global	Target	Residual Weed Control
Diflufenican	12	Broadleaf weed	Medium – depends on undisturbed surface film
Pyrasulfotole	27	Broadleaf weed	Low



Using multiple herbicide 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 and forms an important part of the WeedSmart 'Big 6' resistance management strategy.

The 'Big 6' Weed Smart recommendations to reduce weed seed bank and reduce herbicide resistant risk are;



1	Rotate crops and pastures
2	Increase crop competition
3	Optimise spray efficacy
4	Mix and rotate herbicides
5	Stop weed seed set
6	Implement harvest weed seed control

## FLEXIBILITY OF APPLICATION TIMING, EITHER IN-CROP OR IN FALLOW

Fallow application	In-crop application
	

Apply Infinity Ultra at 110 mL/ha + 720 g a.i. glyphosate to control up to 8 leaf common sowthistle and bladder ketmia.

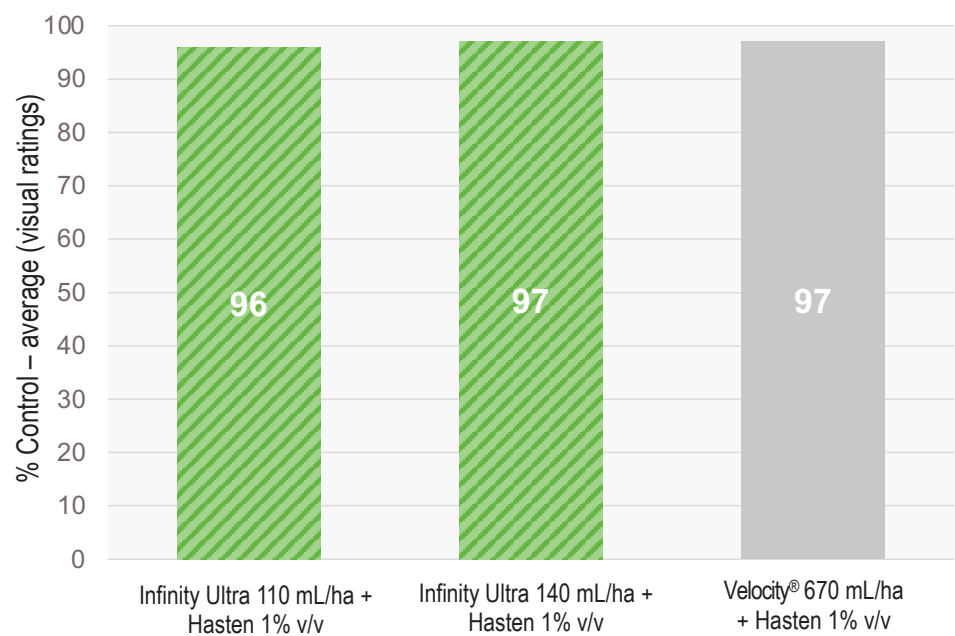
Apply Infinity Ultra in fallow situations with Hasten 0.5% v/v or Loveland Products MSO with Leci-Tech® at 1.0% v/v.

For optimal results, spray 4–6 weeks after sowing when cereals have 2–5 leaves (Z12–Z22).

Apply Infinity Ultra with Hasten 0.5% – 1.0% v/v or equivalent. Where Hasten 0.5% v/v is recommended, Loveland Products MSO with Leci-Tech at 1.0% v/v can be substituted. Using the higher adjuvant rate in some situations may provide a faster speed of weed burndown.

# HIGH LEVELS OF CONTROL OF A RANGE OF

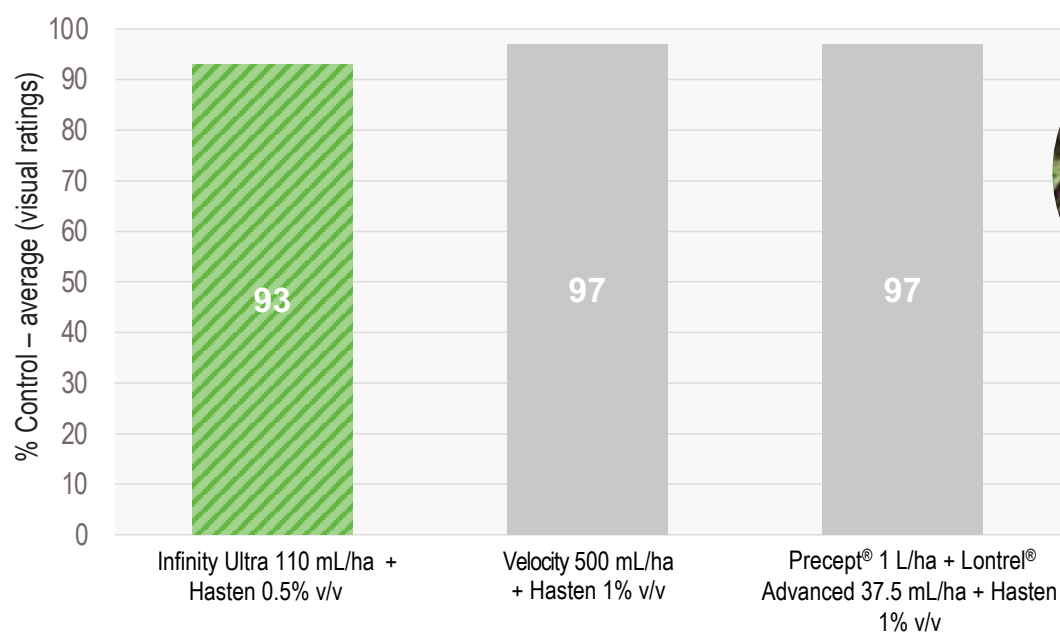
## Control of wild radish (up to 4 leaf)



9 trials | 2019 & 2020 | Application 4 leaf | 20SA33, 20ND09, 20WA21, 20VE26, 20WA22, 20VB50, 19SA39, 20SA11, 19VB54



## Control of capeweed (up to 6 leaf)

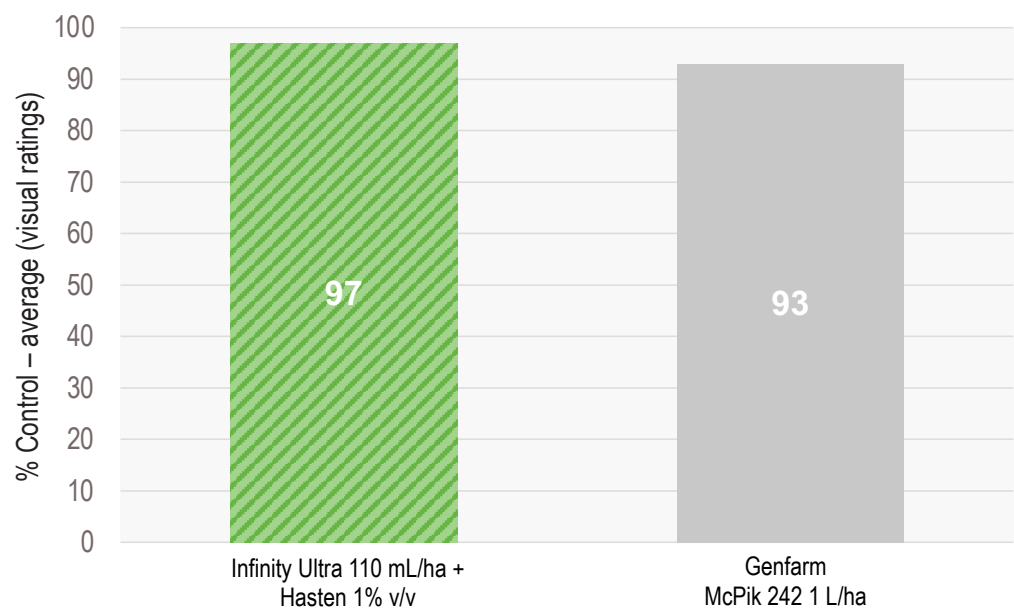


4 trials | 2020 & 2021 | Application 6 leaf | 20ND74, 20SA37, 20WA23, 21ND37



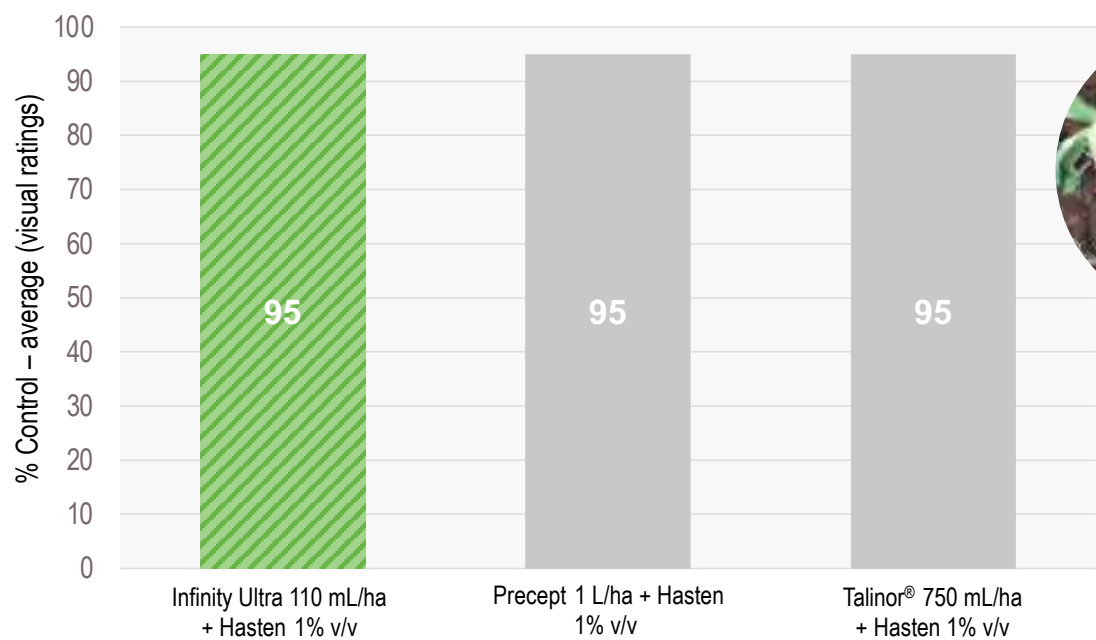
# PROBLEMATIC BROADLEAF WEEDS

## Control of common sowthistle (up to 6 leaf)



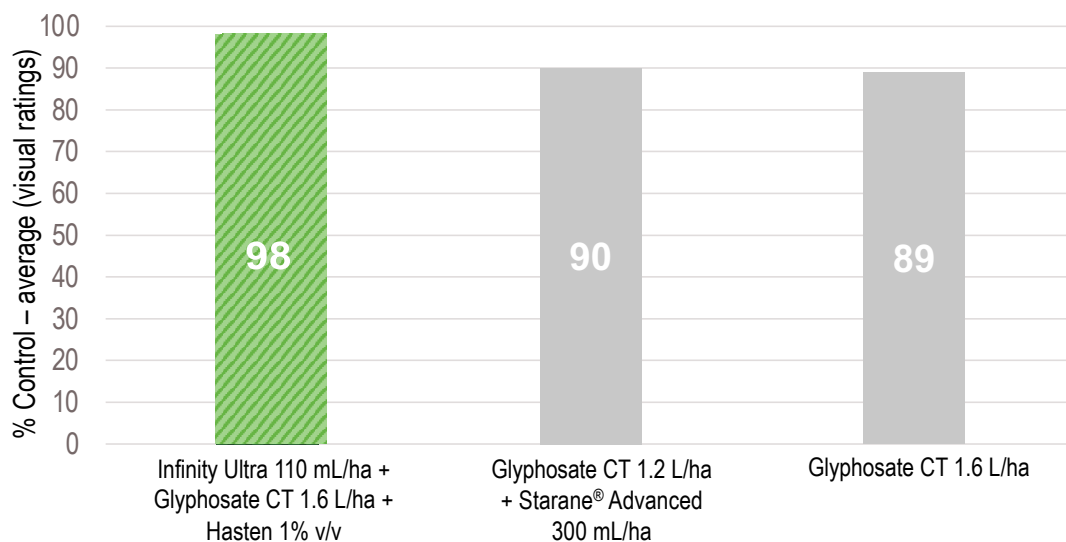
8 trials | 2019 & 2020 | Application 6 leaf | 20SA10, 20ND07, 19SA15, 20ND32, 20SA32, 20ND33, 19ND31, 20VB49

## Control of wireweed (up to 6 leaf)



9 trials | 2019 & 2020 | Application 6 leaf | 20SA35, 20ND10, 20VB52, 20ND72, 20VE30, 20ND73, 20VE28, 20ND92, 19VB55

## Efficacy in fallow – Common sowthistle



3 trials | 2020 | Application 8 leaf | 20ND11, 20ND75, 20ND76

## RECRIPPING PROFILE

Minimum re-cropping intervals apply for all crops following the application of Infinity Ultra to minimise the risk of damage to following crops.

			Re-cropping interval (application rate)		
	Infinity® Ultra ( ≤ 170 mL/ha)	Paradigm® Arylex® Active ( ≤ 25 g/ha)	Lontrel® Advanced <sup>#</sup>	Talinor® ( ≤ 1.2 L/ha)	Precept® ( ≤ 2 L/ha)
<b>WINTER CROPS</b>					
Wheat (including durum wheat), barley, triticale, oats	<b>3 days*</b>	<b>1 week</b> Oats: <b>6 weeks</b>	<b>0 days</b>	<b>9 months</b>	<b>3 weeks</b>
Canola, chickpeas, clover, faba beans, field peas, lentils, lucerne, lupins, medic, vetch	<b>3 months</b> Acid soils (pH < 6.5 in CaCl <sub>2</sub> )	<b>8 months</b>	<b>9 months**</b> ( ≤ 150 mL/ha) <b>12 months**</b> ( ≤ 250 mL/ha) <b>24 months**</b> (> 250 mL/ha)	<b>9 months</b>	<b>9 months</b>
<b>SUMMER CROPS</b>					
Maize, sorghum	<b>2 months</b>	<b>4 months</b>	<b>1 week</b> ( ≤ 40 mL/ha) <b>2 weeks</b> ( ≤ 150 mL/ha)	<b>4 months</b>	<b>2 months</b>
Cotton, soybeans, mung beans, sunflowers	<b>4 months</b> Acid soils (pH < 7.0 in CaCl <sub>2</sub> )	<b>6 months</b> Mung beans: <b>5 months</b>	<b>3 months##</b> ( ≤ 40 mL/ha). <b>6 months##</b> (40–150 mL/ha)	<b>4 months</b>	<b>14 months</b>

**Notes:** Minimum rainfall/irrigation requirements apply for the above re-cropping intervals, see product labels for more details

\* Recropping interval at application rate ≤ 140 mL/ha \*\* Does not apply to canola

# See label for geographic applicability of re-cropping intervals ## Cotton, soybeans, sunflowers only



## MIXING GUIDE

STEPS	FORMULATION / ADDITIVE	PRODUCT EXAMPLES Always check label registrations vs your situation	INSTRUCTIONS
1	Water		Add 70% of water requirement and maintain good agitation throughout the mixing process.
2	Water conditioners, acidifiers	Collide® 700, Liase, LI 700®	Use these products to ameliorate water hardness, pH or aid in compatibility.
3	Oil dispersion (OD)	Atlantis® OD	
4	Dry products Water dispersable granules (WG), Wettable powders (WP)	Associate®, Cadence®, Mentor® 750 WG*, Diuron 900 WG	Add to the tank gradually, allowing at least 10 minutes for thorough dispersal.
5	Suspension concentrates (SC)	Infinity® Ultra, Mateno® Complete	Agitate drum contents thoroughly prior to adding and rinse drums into the tank. Allow at least 10 minutes of constant agitation after adding Infinity Ultra
6	Emulsifiable concentrates (EC)	Arcade®, Aviator® Xpro®, Axial® 100, Buctril®*, MCPA 570 LVE, Lorsban®, Starane® Advanced, Throttle®	Allow at least 10 minutes for thorough dispersal.
7	Soluble concentrates (SL)	Roundup Ultra® MAX, Glyphosate CT, Ken-trel 300, McPik 242	It is important that Infinity Ultra is fully in suspension in the spray tank before adding glyphosate products as flocculation may occur.
8	Water		Fill to approx. 95% capacity.
9	Adjuvants / oils	Hasten®, Kwickin® Spray Adjuvant, MSO® with Leci-Tech®	Add non-water conditioning adjuvants and oils last.
10	UAN and other liquid fertilisers	UAN, Yara N42	Add water to 100% of desired volume. Do not allow mixtures to stand unagitated. Infinity Ultra mixtures should not be left overnight.

\*In oats do not apply Infinity Ultra with Buctril or Mentor.

### PLEASE NOTE

- Using higher water volumes around 80–100 L/ha generally results in better physical compatibility outcomes.
- Minimise the number of products in a tank-mix to maximise compatibility.
- Spray mixes promptly after mixing, and do not allow the mix to stand unagitated.
- If unsure of physical compatibility, conduct a jar test with the same field ratios. Note: physical compatibility does not imply biological compatibility.
- Cleaning of spray equipment immediately after application is very important, see label for more details.





## GET IN TOUCH AND STAY INFORMED

If you would like more information on Infinity Ultra, visit [infinityultra.com.au](http://infinityultra.com.au) to get the latest information, or contact one of the following Bayer representatives.

	<b>Territory Business Manager</b>	<b>Location</b>	<b>Mobile</b>	<b>Market Development Agronomist</b>	<b>Mobile</b>
<b>WA</b>	Courtney Humphrey	Geraldton & Midwest	0476496073	Matt Willis (WA)	0438516011
	Mitchell Gill	Midlands & Wheat Belt	0457669684		
	Glen Bradley	Avon Valley & Central Wheatbelt	0427265056		
	Tim Sippe	Esperance & Lakes District	0439265056		
	Mitchell Tuffley	Great Southern	0418344859		
<b>SA</b>	Cristina Vanstone	Yorke Peninsula & Mid North	0473929524	Tim Murphy (SA)	0408772405
	Craig Jackson	Southeast SA, SA Mallee & Murraylands	0419423340		
	Natasha O'Brien	Eyre Peninsula	0428262623		
<b>East</b>	Wes Amor	Northeast VIC	0438019355	Paul Tyson (VIC)	0475521660
	Seamus McKinley	VIC Mallee & Southwest Riverina	0427330684		
	Andrew Powell	Western VIC	0419310938		
	Ross Henley	NSW Southwest Slopes/ Eastern Riverina	0428033396	Angus McLennan (NSW)	0407641320
	Kyleigh Turner	MIA/Western Riverina	0409349878		
	Jon Bennett	Dubbo/Central West NSW	0409490923		
<b>North</b>	Emma Brotherton	Central QLD & Dawson/ Callide	0409742738	Richard Jackman (NNSW/QLD)	0448252882
	Mick Fing	Darling Downs & St George/Dirranbandi	0417305717		
	Greg Pearce	Gwydir, Macintyre & Mungindi	0427766605		
	Jack Sharp	Namoi & Walgett	0436355226		
	Luke Sampson	Lachlan, Macquarie, Bourke & Southern NSW	0427701986		

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smart**  
every weed every seed  
every farm every year