

# Intervix<sup>®</sup>

Herbicide for Clearfield<sup>®</sup> Crops

**Intervix<sup>®</sup> is the only herbicide custom designed for all Clearfield<sup>®</sup> winter crop production systems. Growers can be confident it will perform to deliver superior grain marketability to optimise returns.**

Understanding how **Intervix** herbicide performs within **Clearfield** Production Systems, particularly with the latest **Clearfield** seed varieties and for grain destined for export markets is important when making winter crop management decisions. Compared to various other imidazolinone herbicides, **Intervix** is a formulation that has been developed specifically by the originators of the **Clearfield Production System** to optimise its performance with tolerant traits for its components. Where as, tank mixes of solo products, have the potential to risk crops, cause sub-optimal yields, impact grower returns and risk valuable Australian grain trade markets with unestablished Minimum Residue Limits (MRL's).

## Custom Designed Benefits

There is no other imidazolinone herbicide that can be confidently used across all three Clearfield winter crop systems with just one pass for superior weed control and in parallel deliver the following benefits:

1. Greater grain marketability – with established local and export MRL's.
2. The only imidazolinone herbicide that can be used on Clearfield Barley and Clearfield Plus Wheat, as well as Clearfield Canola.
3. Stronger foliar control and superior grass activity, particularly on Brome grass.
4. Shorter residual and greater plant-back confidence.
5. AgriCentre<sup>®</sup> stewardship retail outlets with Clearfield accredited agronomists for expert advice.

*Diagram 1. Trial conducted by Peracto at Northam, Western Australia, 2014, compare the difference of a **Clearfield** System.*



**Clearfield Plus Wheat/  
Clearfield Barley**

**Sakura<sup>®</sup> and Treflan<sup>®</sup>**  
Pre-emergent



**Clearfield Plus Wheat/  
Clearfield Barley**

**Sakura and Treflan**  
Pre-emergent followed by  
**Intervix 750 mL/ha** over  
the top

## Intervix Technical Bulletin

May 2015

# 1. One pass control and suppression of the widest range of grass and broadleaf weeds, including hard-to-control Brome grass.

**Intervix** provides control and suppression of a wide range of grass and broadleaf weeds in just one pass.

## Exceptional control of Brome grass

Brome grass is one of the hardest to control grass weeds species in our farming systems. The key to successful control of Brome grass involves an integrated weed management (IWM) plan that aims to:

- Control existing weeds
- Prevent seed set
- Depletes the weed seed bank present in the system

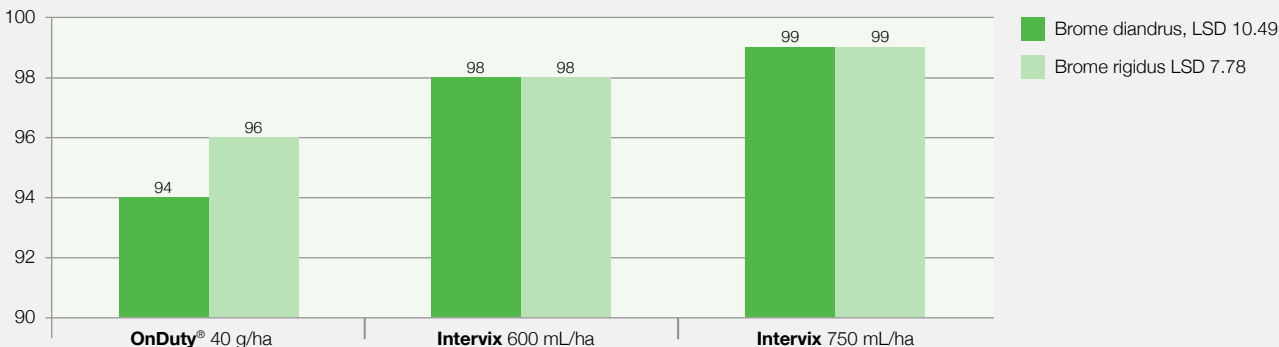
Pre-emergent herbicides play an important role in managing grass weeds in crop. However, many farmers report variable results with pre-emergent herbicides on Brome grass control. Brome grass can be managed using a **Clearfield** crop, a pre-emergent grass product and **Intervix** for over-the-top control of grass. A robust control program can help you manage your grass weed issues.

Utilising **Clearfield** crops and **Intervix** over two seasons helps successfully manage the Brome grass weed seed numbers to limit the impact on your production system.

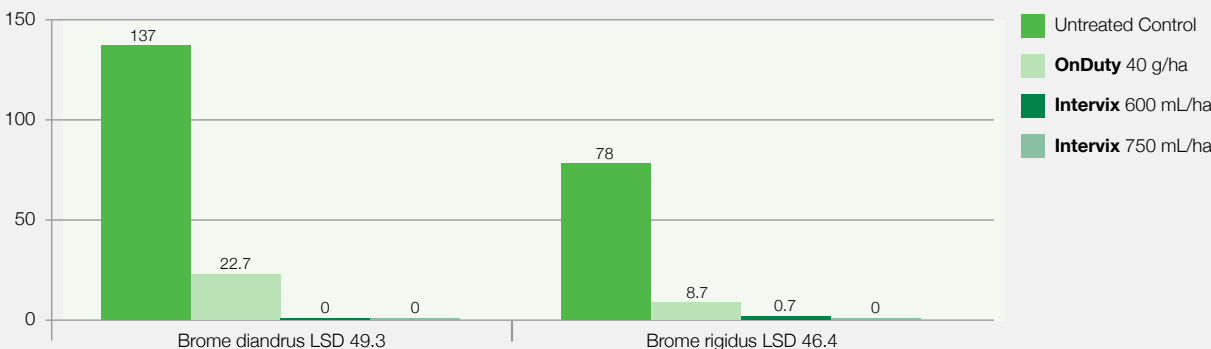


Diagram 2. Exceptional Brome grass control in a Clearfield Production Systems

### Intervix controlling Brome grass species weed seed set, data extract Coomandook, SA – BASF 2004.



Mean percentage control of Brome grass species  
0.5% v/v MSO applied with all treatment



Mean number of panicles per square metre of Brome grass  
0.5% v/v MSO applied with all treatment

## 2. Intervix is more water soluble delivering superior foliar activity and control.

**Intervix** is the most foliar active product in its chemical group, which provides superior performance on grasses and broadleaf weeds.

**Intervix** contains the two highest water soluble imidazolinone actives available: imazapyr and imazamox. The greater water solubility of the actives enables **Intervix** to move more effectively in the plant to reach the active growth areas to maximize weed control. This unique combination of chemical properties gives **Intervix** its superior foliar control compared to alternative imidazolinone combinations.

### Water solubility of Intervix compared to common alternative Imidazolinone products.

Herbicide	Water Solubility (g/L)
<b>Intervix</b>	11–626
<b>OnDuty</b>	3–11
<b>Off-label Imidazolinone tank mixtures</b>	3–11

## 3. Intervix confidence in minimising plant-back.

**Intervix** was custom designed to include two imidazolinone actives with the shortest soil half-life. This combination results in reduced residual carryover effects making it the lowest risk imidazolinone product on the market. It is also important to note that the off-label use of alternative imazapic product combinations can exacerbate plant-back and soil carryover concerns in low rainfall conditions as the half-life of imazapic can be up to three times that of **Intervix**.

### Soil half-life of Intervix compared to common alternative Imidazolinone products.

Herbicide	Soil half-life DT50 (days)
<b>Intervix</b>	24–143
<b>OnDuty</b>	31–410
<b>Off-label Imidazolinone tank mixtures</b>	31–410

## Maximising microbial breakdown

**Intervix** breakdown in the soil is primarily driven by microbial activity which is influenced by the following conditions:

- Rainfall time
- Soil properties

**Intervix** and other imidazolinone labels state a range of rainfall, time and soil properties that are required prior to planting of subsequent crops. Where requirements are not met, **Intervix** provides the superior confidence in marginal rainfall situations. Where requirements are unmet the use of **Clearfield** crop varieties to manage subsequent plant-back effects is recommended.

## Crops with immediate plant-back

- **Clearfield** Barley, **Clearfield** Plus Wheat, **Clearfield** Canola and **Clearfield** Maize.



## 4. Greater grain marketability with established MRL's and a robust stewardship program.

Andrew Weidemann, Chair of Grain Producers' Australia (GPA), in 2015 presented at the Grain Research Development Corporation Advisors' update in Wagga Wagga on the importance of adhering to label directions.

He commented that "the recent off label residue detection in Barley should be a wake up call for growers. Grain growers need to understand that all grain handlers have trace back requirements for international markets and it is their responsibility to manage their chemical applications. Good stewardship such as the importance of adhering to label usage is critical for protecting the grains industry."

The use of off-label mixtures in unregistered product combinations on **Clearfield Plus** Wheat and **Clearfield** Barley, due to unestablished MRL's has the potential to result in MRL infringements and jeopardise grain exports as highlighted in 2014 when an infringement was recorded in barley samples destined for Japan.



- ✓ Accredited Clearfield Agronomists
- ✓ Advice on Clearfield Best Management Practices
- ✓ Clearfield Product Information
- ✓ Assurance of good Clearfield Stewardship

"Clearfield accredited agronomists at AgriCentre registered stores can provide supporting advice."

### Intervix is the only product registered for use in all winter Clearfield crops giving growers superior benefits and confidence in optimising returns.

Product	Intervix	OnDuty	Generic brand	Tank mix of imi's
Use in Clearfield Plus Wheat	✓	✗	✗	✗
Use in Clearfield Barley	✓	✗	✗	✗
Use in Clearfield Canola	✓	✓	✓	✗
AgriCentre Stewardship	✓	✗	✗	✗
Foliar Control and grass activity	Superior	Weaker to moderate	Superior	Weaker to moderate or unknown
Plant-back and residual	Shortest plant-back and residual	Longest plant-back and residual	Shortest plant-back and residual	Longest plant-back and residual
MRL confidence for grain marketability	✓	✓	✓	✗
Commercial confidence	Confident	Less confident	Less confident	Less confident

#### ALWAYS READ AND FOLLOW LABEL DIRECTIONS.

This brochure is intended as general advice. Disclaimer: The information submitted in this publication is based on BASF knowledge and experience. In view of the many factors that may affect its application, this data does not relieve the user from carrying out their own tests. The data does not imply assurance of certain properties or of suitability for a specific purpose. It is the responsibility of the user to ensure that any proprietary rights and existing laws and legislation are observed.

Toll Free: 1800 558 399

[agro.basf.com.au](http://agro.basf.com.au)

  
We create chemistry