



BREEDING SOLUTIONS

The New
Wyalkatchem
Type
**2 Gene Clearfield
Plus Wheat**

IMPOSE CL Plus

Variety Overview

With a very strong Wyalkatchem background, new generation **Impose CL Plus** offers growers improved herbicide tolerance and yield potential over **Clearfield® JNZ & STL** with similar maturity and growing characteristics to **Wyalkatchem**.

Variety Suitability & Fit

Impose CL Plus is a broadly adapted two gene imidazolinone tolerant wheat. This early maturing wheat performs best in shorter growing seasons and enables growers to utilise later sowing opportunities for improved weed control. Impose CL Plus is registered for use with **Intervix®** which cannot be applied to the traditional single gene Clearfield varieties.

Disease

Impose CL Plus has superior rust resistance when compared to **Wyalkatchem**. Due to the possession of an extra resistance gene **Impose CL Plus** offers full stripe rust resistance and improved stem and leaf rust resistance.

Grain Quality

Impose CL Plus has a very large grain size with good test weights and has an APW classification. It has a low susceptibility to produce screenings and offers some sprouting tolerance, similar to **Wyalkatchem**.

Sowing Rate

Due to the large grain size and low tillering capacity of **Impose CL Plus** relative to other Clearfield varieties, it is important to consider sowing rates to ensure that the desired plant density is achieved in order to maximise weed control and yield potential with this variety.

Herbicide Tolerance

The improved herbicide tolerance of **Impose CL Plus** allows growers to use the more robust **Intervix** herbicide. **Intervix** can be applied to **Impose CL Plus** from the 3 leaf to 1st node crop stage. The capacity to apply **Intervix** offers the prospect of superior weed control compared to older Clearfield varieties. For more information please refer to the **Crop Care Clearfield Plus System for Wheat Production guide**.
www.cropcare.com.au/TheSystem

BREEDERS CODE	IGW3097
HERBICIDE TOLERANCE	2 gene Clearfield Plus Wheat registered for use with Intervix
CLASSIFICATION	APW
MATURITY	Early - slightly earlier than Wyalkatchem
YELLOW SPOT	S
STRIPE RUST	R-MR
STEM RUST	MR
LEAF RUST	R
SEED SIZE	Very large
KEY FEATURES	A new variety for the Clearfield Plus wheat production system. Wyalkatchem type background: similar growing characteristics
ALTERNATIVE TO	Clearfield STL, Clearfield JNZ,

Disease Resistance

Variety	Yellow Spot	Stripe Rust	Stem Rust	Leaf Rust
IMPOSE CL Plus	S	R-MR	MR	R
Clearfield STL	MS-S	S	MR	S-VS
Clearfield JNZ	MS-S	MS-S	R-MR	R*

2004 - 2010 Long Term NVT MET Data: Yield % Clearfield JNZ

Variety	Agzone 1	Agzone 2	Agzone 4	Agzone 5
IMPOSE CL Plus	103%	103%	107%	100%
Clearfield STL	103%	103%	105%	103%
Clearfield JNZ	100%	100%	100%	100%

PBR / EPR

Impose CL Plus is protected by Plant Breeder's Rights and is subject to an end point royalty of \$3.50/Tonne GST Exclusive. **Impose CL Plus** is an InterGrain variety, bred by Dr Iain Barclay and the Wheat West Team.



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Clearfield Plus

Production System for Wheat
Always read and follow label directions.
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Clearfield[®] Plus
Production System for Wheat



Intervix[®] Plus
Herbicide for **Clearfield[®] Plus** Wheat

Preserve the efficacy of GROUP B's

For the early post-emergent control of annual grass and broadleaf weeds, as part of the Clearfield[®] Plus Production System for Clearfield[®] Plus Wheat

The Clearfield[®] Production System

The **Clearfield Plus** Production System for wheat features superior herbicide tolerance varieties used in combination with the broad spectrum Intervix herbicide

Clearfield Plus wheat varieties has been developed through conventional plant breeding techniques and are not genetically modified organisms (non GMO's)

The **Clearfield Plus** Production System for wheat is available through accredited Agricentres, with staff specifically trained to deliver a Best Management Practice Program to assist growers maximise their return from the system.

The Herbicide

Intervix herbicide is a group B herbicide

The active ingredients are 33g/L IMAZAMOX (present as the ammonium salt) and 15 g/L IMAZAPYR (present as the ammonium salt).

The Product Benefits

- Superior one pass post-emergent knockdown and residual grass and broadleaf weed control
- Superior brome grass, barley grass, volunteer wheat and volunteer barley control
- Highly effective foliar uptake in addition to residual efficacy through root uptake
- Easy to use and transport

Application

- The application rate is 375-750mL/ha plus Supercharge[®] at 0.5L/100L spray volume
- Apply in a minimum of 70L water per hectare
- Apply to crops in the 3 leaf (Z13) to 1st node stage (Z31)
- Apply early post emergent to actively growing grass weeds in the 3 leaf to 2 tiller stage and broadleaf weeds in the 2 to 6 leaf stage
- Avoid application to stressed crops as crop damage and poor weed control may result.
- Good plant health is essential. Ensure any nutrient deficiencies are rectified at least 14 days prior to application.

- Do NOT apply if adverse environmental conditions exist. ie. low temperatures or frost
- Avoid use with other pre or post emergent Group B herbicides
- Do NOT apply more than once per season to any crop
- Apply ONLY to wheat with the Clearfield Plus 2 gene imi herbicide tolerance breeding

Key Weeds Controlled

Control and suppression of a vast range of problem weeds, including:

- | | |
|------------------------|---------------------|
| > Brome Grass | > London Rocket |
| > Barley Grass | > Paterson's curse |
| > Marshmallow | > Saffron Thistle |
| > African Turnip Weed | > Scotch Thistle |
| > Amsinkia | > Shepherds Purse |
| > Annual Ryegrass | > Silvergrass* |
| > Bedstraw* | > Sowthistle* |
| > Charlock | > Storksbill* |
| > Wireweed | > Turnip Weed |
| > Climbing buckwheat | > Volunteer Cereals |
| > Common Vetch* | (ie. non-CL wheat & |
| > Deadnettle | barley, and oats) |
| > Doublegee* | > Wild Radish |
| > Fumitory | > Wild Turnip |
| > Indian Hedge Mustard | > Wild Oats |

* surviving plants will generally be retarded and will not compete with the crop

Compatibility

Intervix herbicide is compatible with Dominex[®] Duo, Saboteur[®] (dimethoate), omethoate, Transit[®], POLO[®]570 LVE, Hasten[®] and Kwicken[®]
Do not mix with foliar fertilisers

CONTACT

Herbicide info: Rob Walker on 0427 746 153 or your local Crop Care Territory Sales Manager for more information.

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Contact your local Crop Care distributor for further information:

Customer Service Australia-wide: 1800 111 454 Fax: 07 3909 2010 www.cropcare.com.au

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Always read and follow label directions.

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