



**■ - BASF**

We create chemistry

**Intervix<sup>®</sup>**

Herbicide

**NEW REGISTRATION**

**Optimal weed management  
in igrowth<sup>®</sup> sorghum**

# Why Intervix® is now the right choice for igrowth sorghum

The igrowth technology in sorghum has been developed by Advanta Seeds through mutagenesis methods and provides tolerance to registered herbicides of the Imadazolinone family such as Intervix. The igrowth trait is NOT a GMO. By planting grain sorghum hybrids containing igrowth technology, Australian sorghum producers will now have the freedom to utilise Intervix to assist in their integrated weed control programs without causing crop damage. You should not apply Intervix to grain sorghum hybrids which do not contain igrowth technology.

The registration of Intervix for post-emergent use in igrowth sorghum creates the potential for higher levels of weed control.

## Intervix is the ideal combination for use in both Clearfield® and igrowth production systems:

### Maximised weed control

- Intervix provides control of both grass and broadleaf weeds.
- Strong in-crop activity on key grass weed species like awnless barnyard grass and urochloa.
- Intervix has systemic mobility in target plants so it reaches the growth points to maximise ALS inhibition.
- Its high water solubility delivers greater foliar activity once Intervix has penetrated the waxy leaf cuticle.

### Application timing

- Using Intervix early post-emergence in igrowth sorghum provides a new in-crop knockdown option with residual activity on both grass and broadleaf weeds under good soil moisture conditions.
- Intervix should be used in combination with alternative pre-emergent and post-emergent herbicide modes of action to reduce selection pressure and slow the development of herbicide resistance.



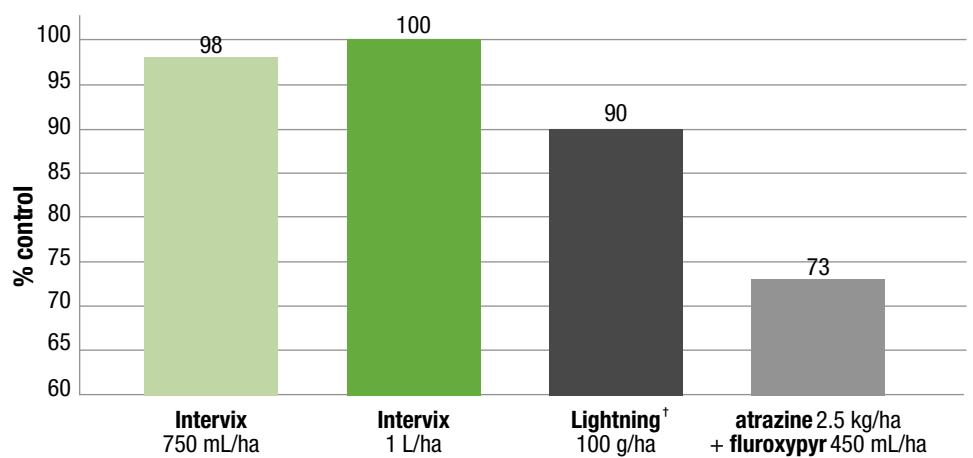


# Intervix®

Herbicide

## Superior weed control

The graph shows the comparative levels of awnless barnyard grass in a Queensland trial where both rates of Intervix produced superior control. In the same trial, the two rates of Intervix produced equally high levels of control on caltrop: 98% and 100% respectively.



**NB: Lightning is not registered for use in igrowth sorghum and is shown for comparison purposes only.**

Control of awnless barnyard grass at 28 DAA LSD 5% 16.2

All treatments applied with Hasten<sup>†</sup> 1% v/v. Eurofins trial Cambooya Qld 2014

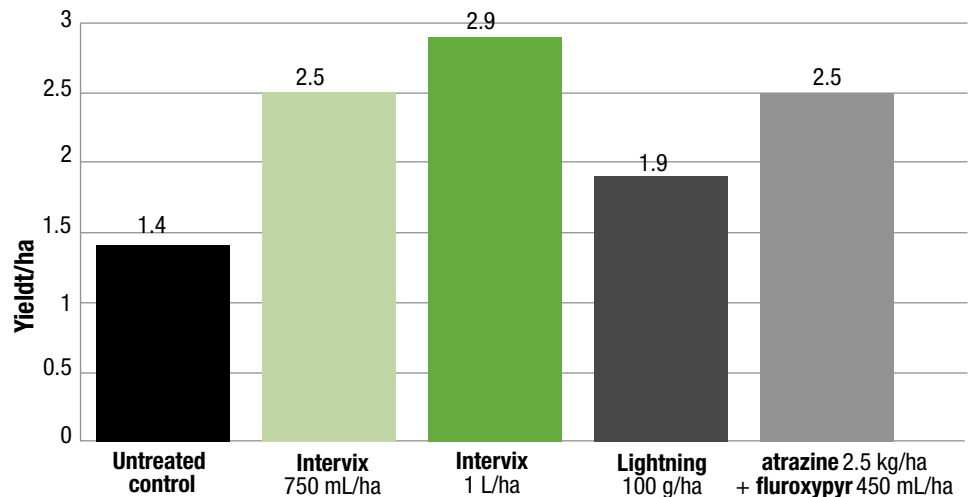


## Better weed control delivers yield benefits

In the same Queensland trial, using Intervix at the higher label rate more than doubled the crop yield compared to the untreated plot.

**NB: Lightning is not registered for use in igrowth sorghum and is shown for comparison purposes only**

All treatments applied with Hasten 1% v/v LSD 5% NS Eurofins trial Cambooya Qld 2014



## Re-cropping plantbacks

The product is broken down in the soil by microbes in wet, aerobic conditions. Under conditions that do not favour breakdown, carryover residues can affect susceptible following crops. The following minimum re-cropping intervals (months after application) should be observed:

### Months after application

0	10	22	34	
Clearfield Plus wheat	Chickpeas	Peanuts	Cotton	All other crops
Clearfield wheat	Faba beans	Barley*		
Clearfield barley	Field peas	Oats*		
Clearfield canola	Lucerne	Wheat*		
igrowth sorghum	Lupins	Triticale*		
	Pasture legumes	Maize**		
	Mungbeans	Sorghum** (non-igrowth varieties)		
	Soybeans			

\* Non-Clearfield varieties

\*\* DO NOT plant these crops unless interim moisture (rainfall plus irrigation) from application to sowing is at least 800 mm.

## Using Intervix in igrowth sorghum

**Rate:** 750 mL–1 L/ha plus Hasten<sup>†</sup> or Kwickin<sup>†</sup> 0.5 L / 100 L spray volume

**Timing:** Apply to 2 to 6-leaf igrowth sorghum. DO NOT apply to crops beyond the 6-leaf stage.

Apply to actively growing grass weeds up to the 2-tiller stage.

Apply to actively growing broadleaf weeds in the cotyledon to 4-leaf stage.

Use the higher rate when weeds are at the upper growth stage.

### Grass weeds

#### Controlled

Awnless barnyard grass	<i>Echinochloa colona</i>
Barley grass	<i>Hordeum leporinum</i>
Barnyard grass	<i>Echinochloa crus-galli</i>
Brome grass	<i>Bromus</i> spp.
Liverseed grass	<i>Urochloa panicoides</i>
Wild oats	<i>Avena</i> spp.

#### Suppressed

Crabgrass	<i>Digitaria ciliaris</i>
Crowsfoot grass	<i>Eleusine indica</i>
Johnson grass (Seedling only)	<i>Sorghum halepense</i>

### Broadleaf weeds/sedges

#### Controlled

Amaranth	<i>Amaranthus</i> spp.
Anoda weed	<i>Anoda cristata</i>
Bellvine	<i>Ipomoea plebeia</i>
Caltrop/yellow vine	<i>Tribulus terrestris</i>
Cobbler's peg	<i>Bidens pilosa</i>
Deadnettle	<i>Lamium amplexicaule</i>
Fathen	<i>Chenopodium album</i>
Fierce thornapple	<i>Datura ferox</i>
Indian hedge mustard	<i>Sisymbrium orientale</i>
Noogoora burr	<i>Xanthium pungens</i>
Pigweed	<i>Portulaca oleracea</i>
Turnip weed	<i>Rapistrum roussum</i>
Wild gooseberry	<i>Physalis minima</i>
Wild turnip	<i>Brassica tournefortii</i>

#### Suppressed

Blackberry nightshade	<i>Solanum nigrum</i>
Bladder ketmia	<i>Hibiscus triornum</i>
Caustic creeper	<i>Euphorbia drummondii</i>
Chickweed	<i>Stellaria media</i>
Doublegee	<i>Emex australis</i>
Mintweed	<i>Salvia reflexa</i>
Nutgrass	<i>Cyperus rotundus</i>
Shepherd's purse	<i>Capsella bursa-pastoris</i>
Sowthistle	<i>Sonchus oleraceus</i>
Threehorn bedstraw	<i>Galium tricornutum</i>
Wild radish	<i>Raphanus raphanistrum</i>
Wireweed	<i>Polygonum aviculare</i>



# The right choice for igrowth

- High levels of control of key grass weed species.
- In-crop grass and broadleaf weed control.
- Simplified weed management.

**For more information about Intervix,  
visit [crop-solutions.basf.com.au](http://crop-solutions.basf.com.au)  
or contact your local BASF representative**

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