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# Arsenal<sup>®</sup> Super

Herbicide

## Municipal Management of Unwanted Vegetation

 **BASF**

We create chemistry

TECHNICAL  
NOTE

## Long lasting, cost-effective control of unwanted vegetation for up to six months

Arsenal Super is a low-volume knockdown and pre-emergent herbicide ideal for long-term grass and broadleaf weed control beside roads and in numerous other situations managed by councils.

Arsenal Super is registered and suitable for use in a range of municipally managed situations, including:

- ✓ **along rail lines and roadways**
- ✓ **around buildings**
- ✓ **along firebreaks**
- ✓ **along fence lines**
- ✓ **within irrigation channels**
- ✓ **in rights of way**
- ✓ **on waste land**

The Arsenal Super label now includes application instructions for high-volume spraying by hand gun and knapsack as well as medium-volume boom applications.

When applying as a foliar spray for pre and post emergent control where significant weed biomass is present, water volumes of 1000 L/ha are recommended to ensure adequate soil penetration.

### Features and benefits

- Cost-effective alternative to glyphosate
- Effective grass and broadleaf weed control for up to 6 months
- Compatible with a range of other herbicides including Basta<sup>®</sup>
- Now registered for high-volume (knapsack and handgun) as well as low-volume (boom) application



## Favourable environmental toxicity profile

Arsenal Super has a favourable environmental toxicity profile. Arsenal Super is considered practically non-toxic to mammals and birds and practically to slightly toxic to fish and aquatic insects.

### Toxicity profiles

Risk category	Mammals	Birds	Fish and aquatic insects
	Acute oral or dermal LD <sub>50</sub> (mg/kg)	Acute oral (mg/kg)	Acute LC <sub>50</sub> (mg/L)
Practically non-toxic	>2,000	>2,000	>100
Slightly toxic	5001–2,000	501–2,000	>10–100
Moderately toxic	51–500	51–500	>1–10
Highly toxic	10–50	10–50	0.1–1
Very highly toxic	<10	<10	<0.1

Source: WSDOT Fact Sheet 2017

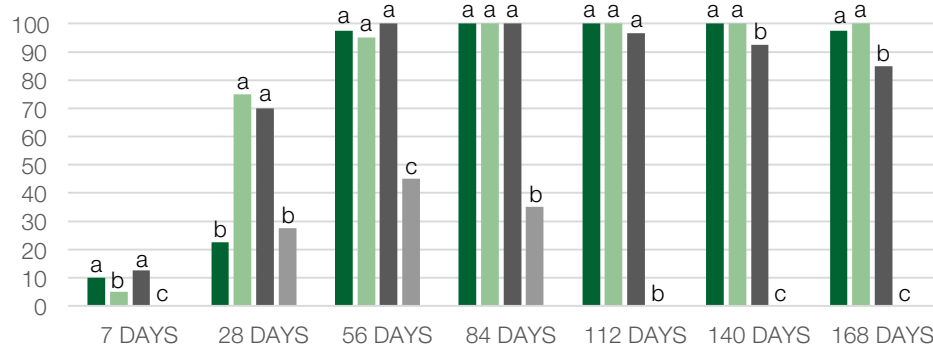
<b>Scheduled</b>	Unscheduled
<b>Oral toxicity LD<sub>50</sub></b>	>2000
<b>Dermal toxicity LD<sub>50</sub></b>	>5000
<b>Inhalation</b>	Non-toxic
<b>Eye irritation</b>	None
<b>Skin irritation</b>	None
<b>Skin sensitiser</b>	Mild or slight
<b>Mutagenicity</b>	None
<b>Teratogenicity</b>	None

Source: Herbicide handbook of the WSSA – Eighth edition, 2002

## Proven standalone or tank mix partner

As this graph based on 2017 trials in South-east Queensland shows, Arsenal Super – used standalone or in a tank-mix – provides superior post-emergent and pre-emergent control compared to other residual herbicide products.

### % brownout over 6 months



■ Arsenal Super (6L/ha)

■ Glyphosate (2L/ha) + Simazine 900 (48kg/ha)

■ Glyphosate 360 (2L/ha) + Arsenal Super (6L/ha)

■ Simazine 900 (48kg/ha)

100% grass and broadleaf weed cover at application.

All treatments were applied

in 1000L/ha water. Letters above bars represent significant differences at p=0.05.



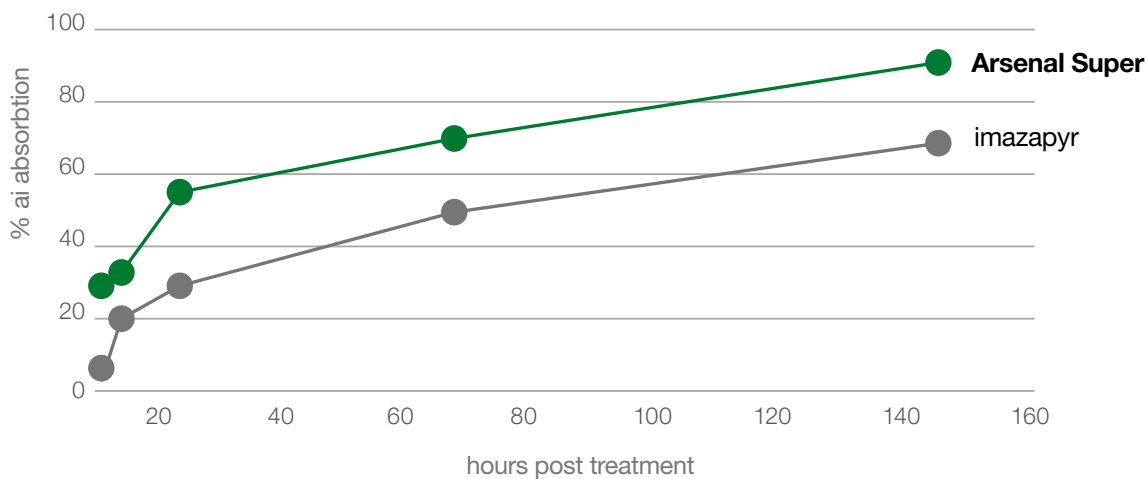
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## Superior formulation

The powerful chemistry of Arsenal Super's 'Transport Technology' accelerates the absorption and translocation of the active ingredient through the plant. The graph below shows that Arsenal Super with 'Transport Technology' had over 50% uptake within 24 hours after treatment. In comparison, it took six days to achieve the equivalent levels of uptake with imazapyr alone.



For more information on Arsenal Super,  
visit [turf-solutions.basf.com.au](http://turf-solutions.basf.com.au)  
or contact your local BASF  
representative on **1800 558 399**

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS**

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