

Integrated weed management solutions for Annual Ryegrass control

Broadacre
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According to the Grains Research & Development Corporation (GRDC), Annual Ryegrass is one of the most serious and costly weeds of cropping systems in southern Australia.

Annual Ryegrass is a problem for a number of reasons:

- It produces an extremely high number of seeds per plant
- It is highly competitive
- Is a host for the bacteria *Clavibacter* spp. that cause annual ryegrass toxicity
- It can be infected by ergot fungus
- Many populations have developed resistance to both selective and non-selective herbicides

It is important to have integrated weed management tactics when developing a management plan to control weed populations on your property.

GRDC reported that in 2013, Annual Ryegrass had developed resistance to seven herbicide mode-of-action (MOA) Groups (A, B, C, D, L, M and Q). Repeated use of herbicides from the same MOA group (particularly the high-risk Groups A and B) is likely to select for herbicide-resistant individuals that will produce large numbers of seeds and quickly become a serious and significant weed problem.

ARCADE®, a pre-emergent herbicide containing 800g/L Prosulfocarb provides control of Annual ryegrass in Wheat and Barley. ARCADE is a Group J (Thiocarbamate) herbicide offering growers an important alternative MOA particularly useful for resistance management in wheat programs.

Ben Parkin, Solutions Development Lead at Syngenta, says “ARCADE will provide robust control of Annual Ryegrass when used alone at 3 L/ha or is ideal as a tank mix partner with trifluralin, when used in wheat programs for best practice resistance management.”

The introduction of ARCADE compliments Syngenta’s pre-emergent herbicide range and provides growers another option alongside BOXER GOLD®, making it the perfect partner for Annual Ryegrass control.

“ARCADE will be a good option for growers using disc seeding systems or in paddocks with a predominance of light or sandy soils where crop safety of pre-emergent herbicides is important,” says Parkin.

Prosulfocarb was developed by Syngenta and was first introduced to Australian growers as BOXER GOLD (Prosulfocarb + S-Metolachlor). This represented the first alternative MOA for control of Trifluralin resistant ryegrass populations in cereals and offered a solution for resistance management.

BOXER GOLD continues to provide a reliable and flexible solution for controlling Annual Ryegrass for growers across Australia.

To view the full benefits, trial results and compatibility chart for both pre-emergent herbicides, download the Tech Note below.

[ARCADE - the new partner for Annual Ryegrass control](#) 308.04 kb

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