



Ardeo®

ADAMA

Ardeo® Overview

- Contains 224g/L acifluorfen in a SL (Soluble Liquid Concentrate) formulation
- No plant-back restrictions with subsequent crops maximising options for rotational crops unlike Vezir®
- Only active ingredient registered for control of broadleaf weeds post-emergence in mungbeans.
- Controls difficult weeds including Apple of Peru, Bladder Ketmia, Pigweed, Noogoora Burr, Thornapple, Sesbania, Blackberry Nightshade, Prince of Wales Feather, Bell Vine

Mode of Action

Ardeo is a Group G Herbicide. These herbicides interfere with the chlorophyll biosynthetic pathway in plants through a process of membrane disruption initiated by the inhibition of the enzyme protoporphyrinogen oxidase (PPO).

ARDEO® is rapidly absorbed through the foliage of plants but can also be taken up through the roots. Shortly following foliar application, the leaves of susceptible weeds show signs of desiccation, and in subsequent days and weeks necrosis and complete death of the plant.

As with all herbicides ARDEO® should be used within a sound, integrated Weed Resistance Management (IWM) program to ensure its continued effectiveness.

Use Rates

Pre-emergence use

Peanuts and Soybeans - 3 L to 4 L/Ha applied before the crop and weeds emerge.

Post-emergence use

Soybeans, Peanuts, Mungbeans, Adzuki Beans, Peanuts, Siratro and Stylo (common and fine stem Stylo) - 1 L to 2 L/Ha depending on target weed and weed size.

Green Beans – 250 mL to 750 mL/Ha for Prince of Wales Feather only.

Mungbeans – 1 L/Ha plus Hasten* at 1 L/100 L water (1% v/v)

Peanuts – 1 L/Ha plus 1 to 1.5 L/Ha of 400 g/L formulation of 2,4-DB/Ha for Bellvine and Noogoora Burr only.

Refer to the label for full detailed recommendations by crop and target weed species.

Application

Ground Rig:

For optimum results Adama recommend water rates of between 100 and 300 L/Ha when applied by boom spray. Increase the water volume if weed infestation is heavy or crop cover is dense as complete coverage of weeds is essential when applied as a post-emergence application.

Aircraft:

Apply in a minimum of 48 L/Ha of water for best results when applied by air. Effective weed control will only be achieved where good coverage of leaf surface is achieved

Rainfast:

Do not apply ARDEO® if rainfall is expected to occur within 6 hours of application

Weeds Controlled

ARDEO® offers robust and flexible of control of key difficult to manage weeds. Below is the full list of registered weeds, refer to product label for crop situation and use rates.

- Apple of Peru
- Turnip Weed
- Wild Radish
- Prince of Wales Feather
- Redshank
- Thornapple
- Pigweed
- Annual Ground Cherry
- Wild Gooseberry
- Blackberry Nightshade
- Bladder Ketmia
- Capeweed
- Fumitory
- Noogoora Burr
- Bellvine
- Jute
- Sesbania
- Billygoat Weed
- Gambia Pea
- Glycine
- Greenleaved Desmonium
- Five-leaved Cassia
- Black Bindweed
- Fat Hen
- Fumitory
- Leaf Plantain
- Potato Weed
- Scarlet Pimpernel
- Barnyard Grass
- Liverseed Grass
- Mosman River Grass

Features and Benefits

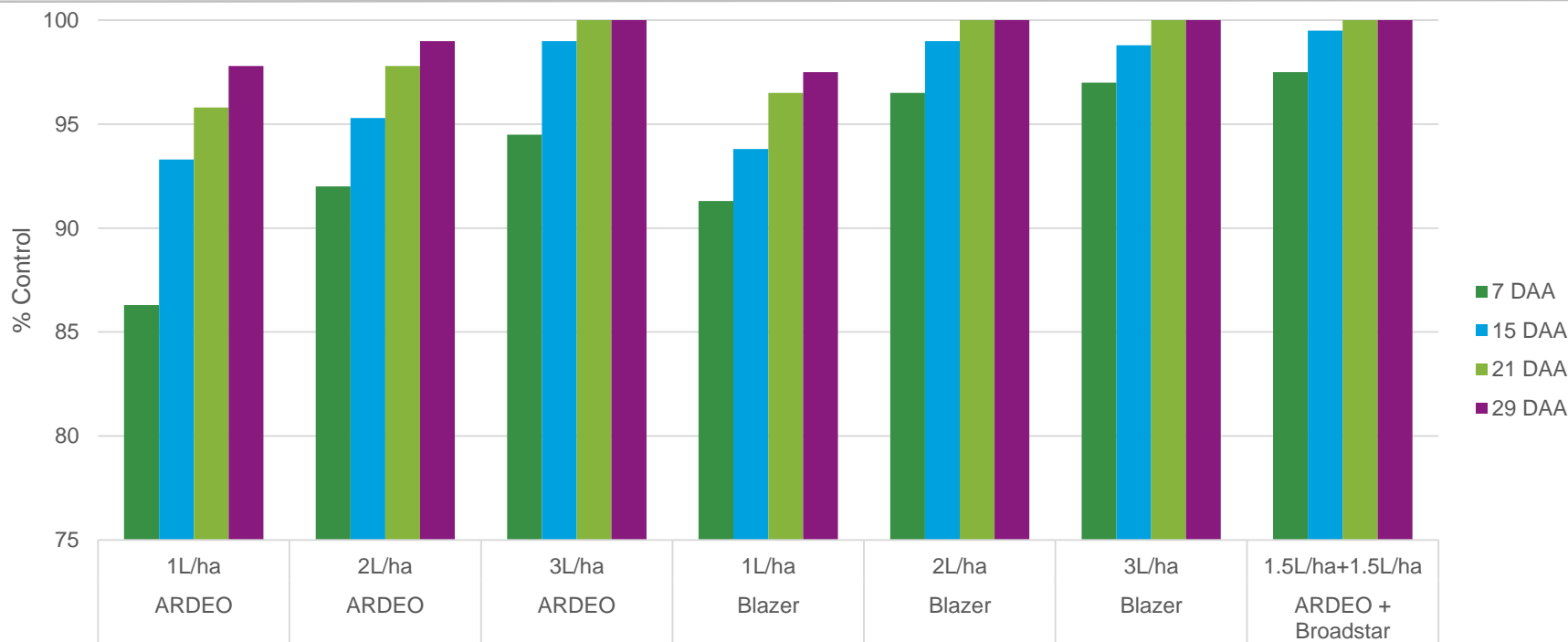
Features	Benefits
Highly effective pre- and post-emergence weed control	Flexibility of choice in application timing
Wide spectrum of grass and broadleaved weeds controlled	Flexible one product solution controlling all key weeds
Excellent tank mix compatibility	Reduced need for multiple applications to apply fungicides, insecticides and grass selective herbicides
No plant-back restrictions	Peace of mind that subsequent crops will not be affected
Low resistance risk Group G Herbicide.	Ideal fit in resistance management programs.



Ardeo[®] Trial Results

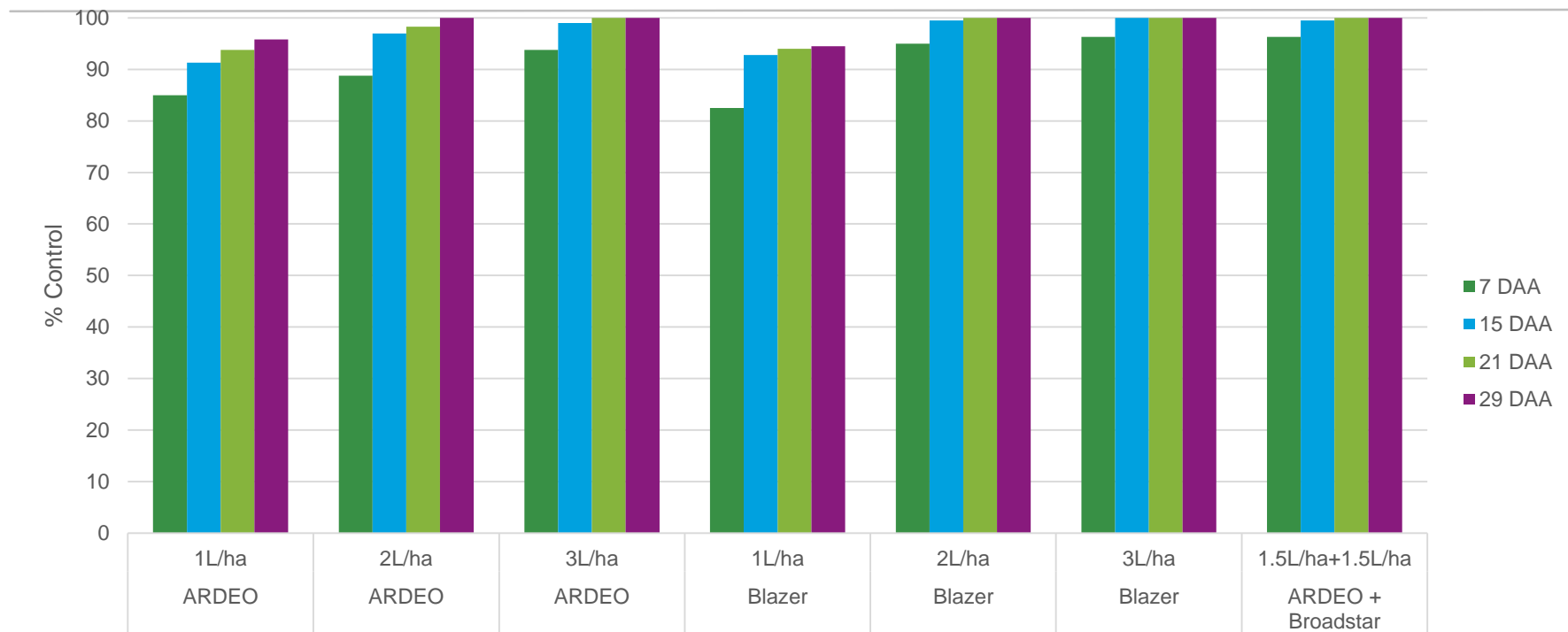
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Billygoat weed control in soybeans. Bundaberg, Qld 2012



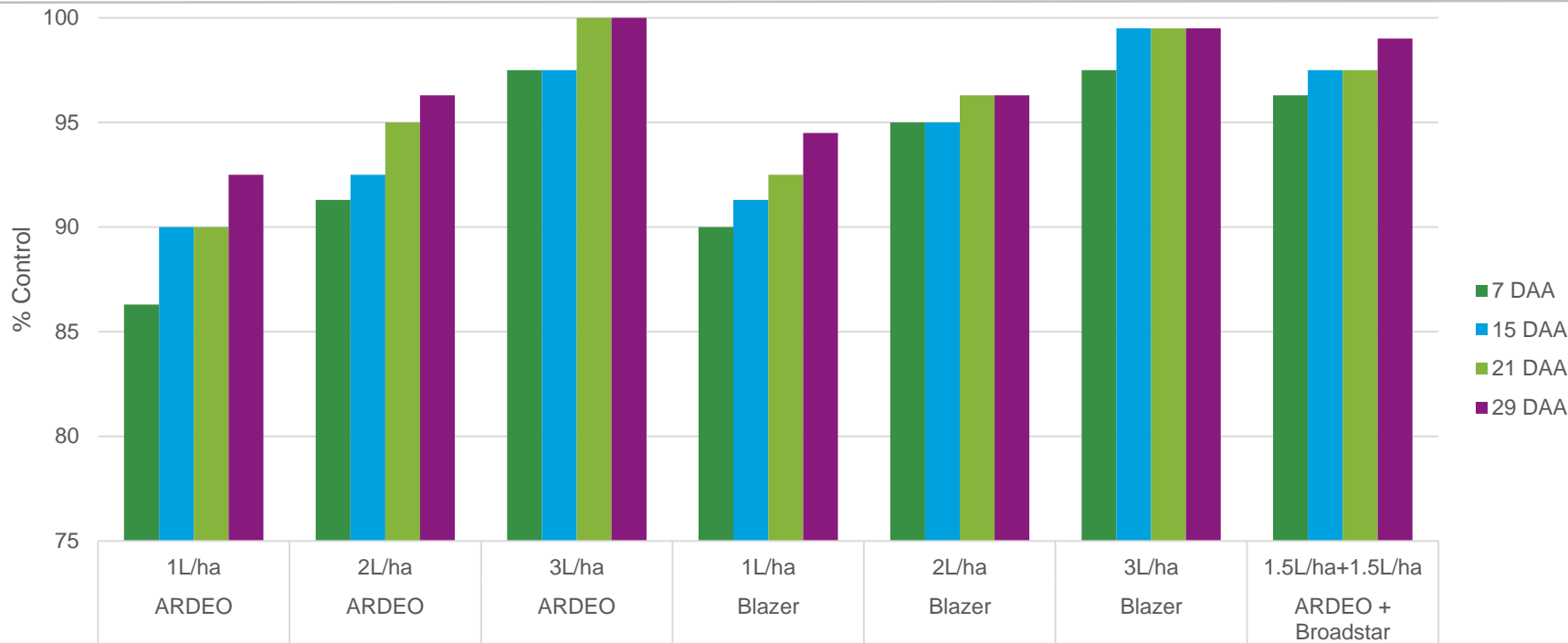
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Lesser Swinecress control in soybeans. Bundaberg, Qld 2012



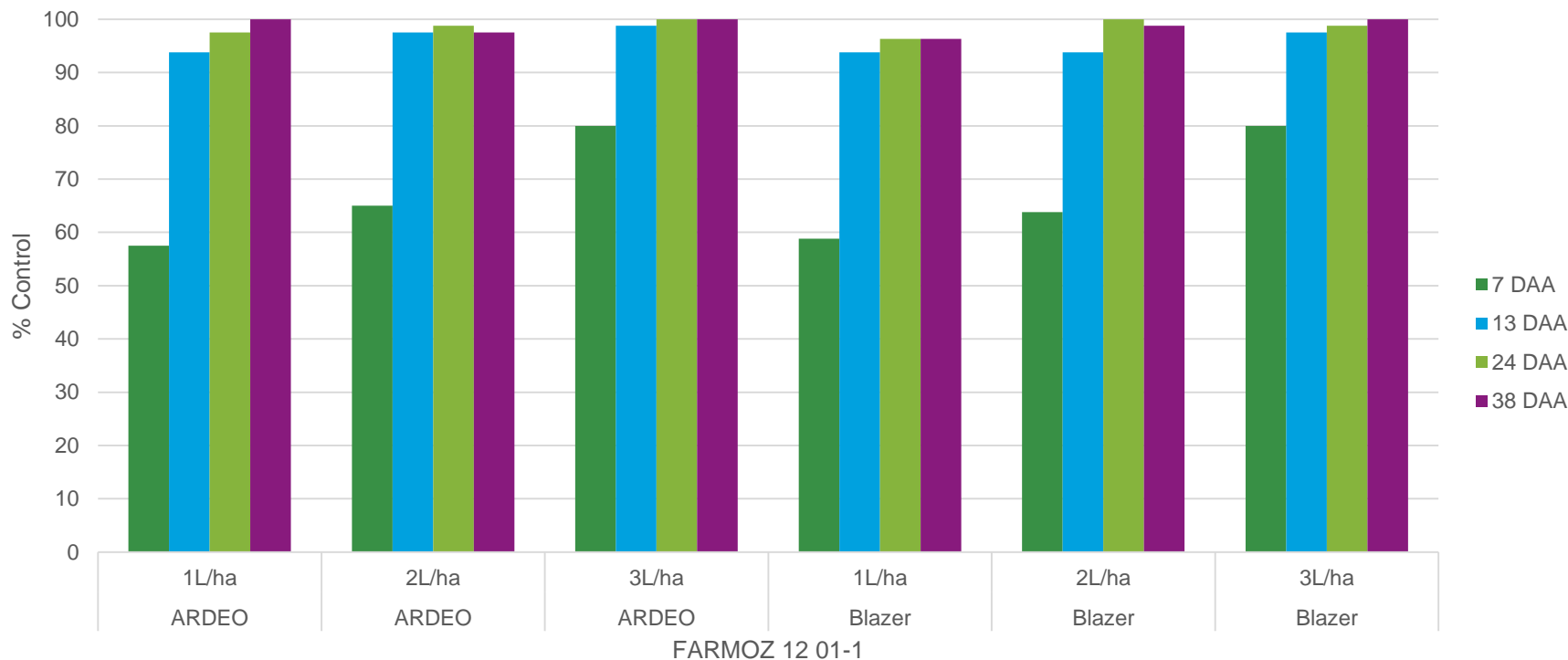
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Bellvine control in soybeans. Bundaberg, Qld 2012

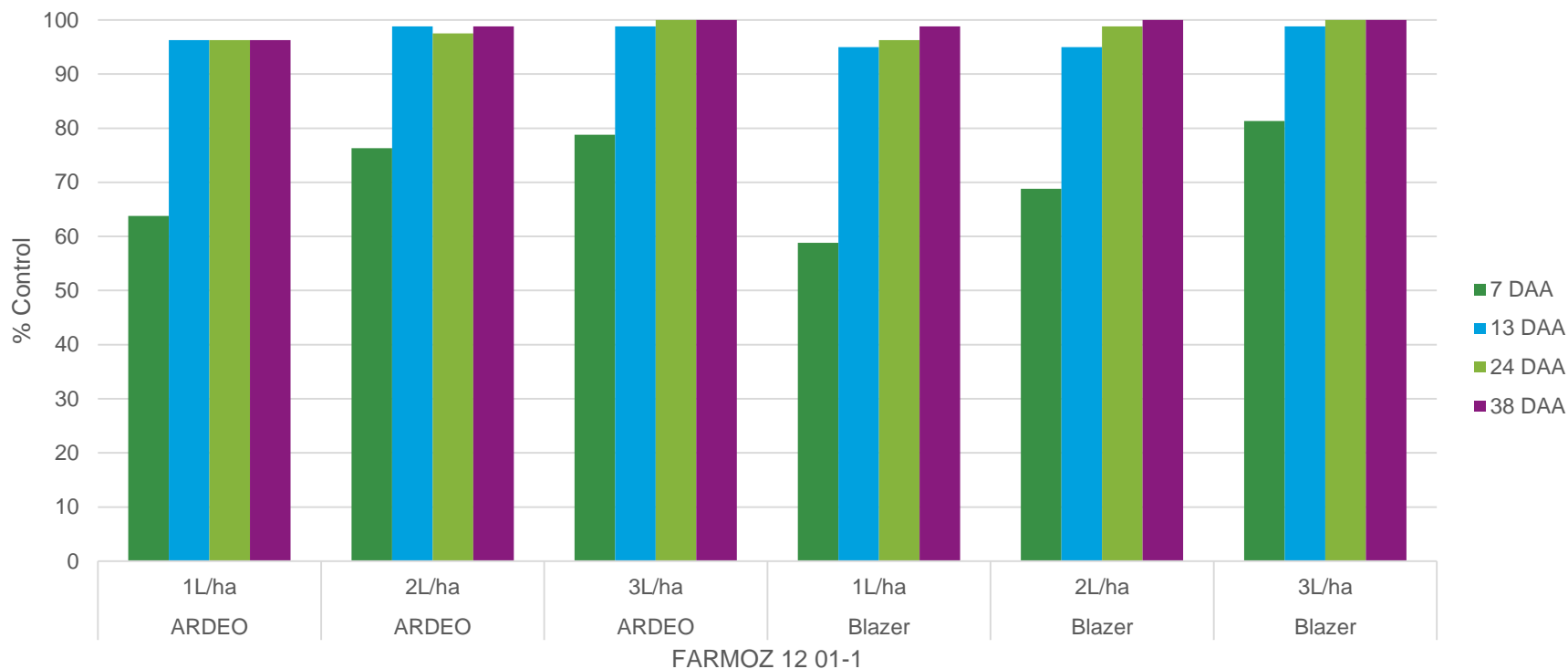


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Bladder Ketmia control in mungbeans. Wellcamp, Qld 2012



Sowthistle control in mungbeans. Wellcamp, Qld 2012



Summary

- Low Plantback risk to rotate back into Cereals, Maize or Sorghum
- Offers flexible use rates and application timing
- Is the only active ingredient registered for control of broadleaf weeds post-emergence in mungbeans
- Can be used pre-emergent or post-emergent in soybeans and peanuts
- Compatible with selective grass herbicides for improved post-emergence weed control spectrum
- Controls difficult weeds
- Addition of adjuvants improves control and phytotoxicity.