

Velox™

Arbiter™

Water CONDITIONING Agent

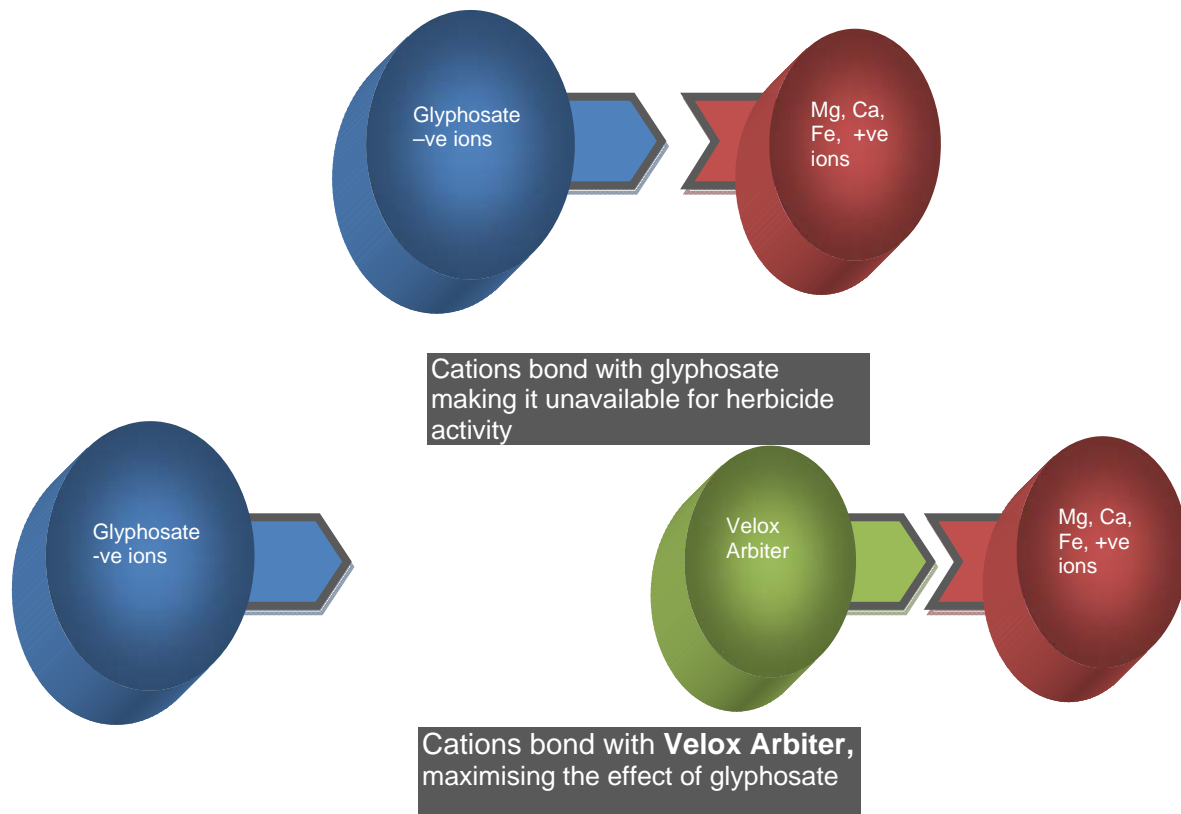
Velox™ Arbiter™ is a unique water-conditioning agent containing sequestering compounds, acidifiers and pH buffers.

Poor Spray Water Quality?

- Spray water quality can be variable
 - pH 4 – 9
 - Dissolved mineral and organic content.
- Certain agrochemicals are unstable at high pH.
- Herbicides such as glyphosate and 2,4-D amine are weak acids, which dissociate into the 'herbicide component' and 'salt' in water.
 - Water containing high mineral content such as calcium, magnesium, sodium, potassium or iron can antagonise this dissociation and lock up the active herbicide component.
- Water quality is key for the performance of many compounds, in particular, glyphosate.

Unlocking the potential of glyphosate with Velox Arbiter

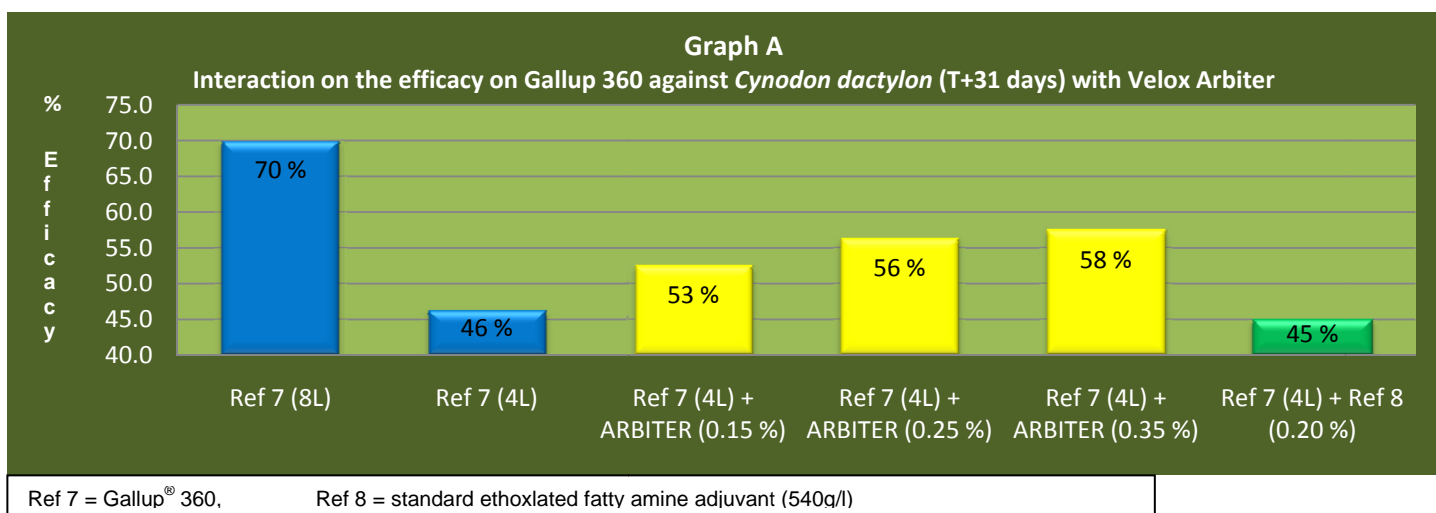
- **Velox Arbiter**
 - Ties up iron, magnesium, calcium ions, freeing the glyphosate salt
 - Buffers the spray solution, helping to maximise glyphosate activity



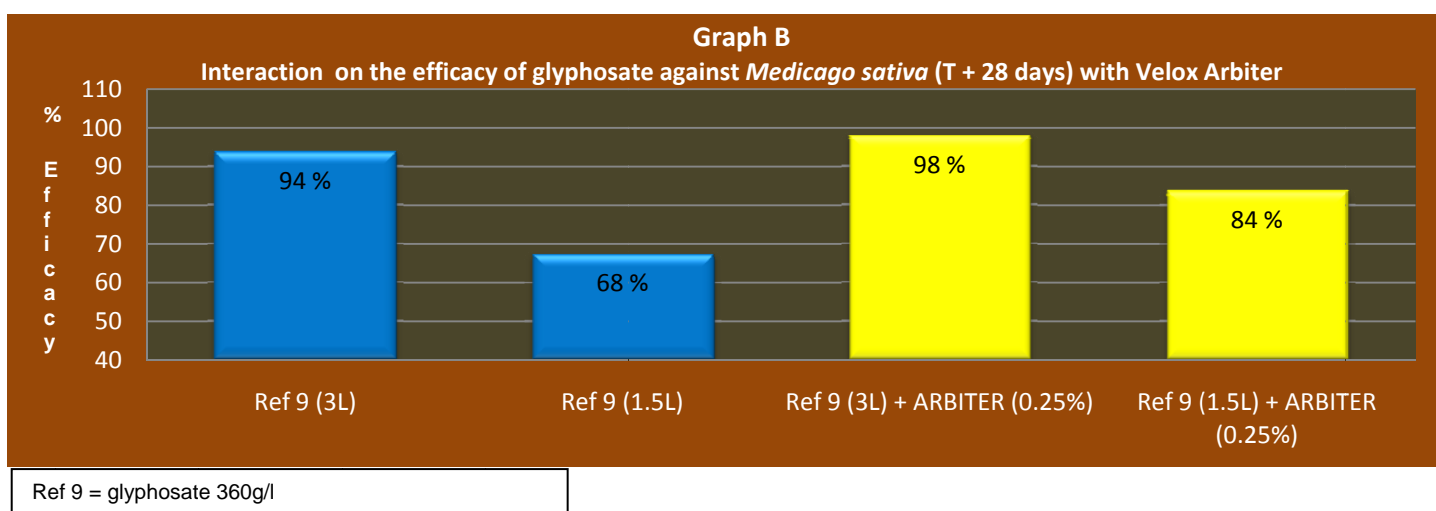
Velox Arbiter reduces the pH of the spray solution, to the ideal of pH 5 – 6 ideal for most crop protection products.

Results

An example of the benefit of adding **Velox Arbiter** to glyphosate for the control of perennial weed, Bermuda grass, can be seen below (Graph A) and against Alfalfa (Graph B)



✓ In this trial **Velox Arbiter** improved the efficacy of half rate Gallup 360



✓ In this trial the addition of **Velox Arbiter** improved the efficacy of both full and half rate Glyphosate 360.

Rates of use

Velox Arbiter is recommended for use up to a maximum concentration of 0.25% of the final water volume. For example:

Water Volume	Required quantity of Velox Arbiter at 0.25%
100L/ha	250ml
150L/ha	375ml
200L/ha	500ml

Velox Arbiter has proven to be beneficial as a water conditioner with the following products / product groups;

- All formulations of glyphosate
- Selective herbicides for use in maize, cereals sugar beet and potatoes
- Plant Growth Regulators such as chlormequat
- Potato defoliant
- Salt formulations of phenoxy herbicides such as 2,4-D
- Bentazone based products
- Carbamates

For full recommendations for use please consult the **Velox Arbiter** label.



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*VELOX ARBITER is a water conditioner and not an adjuvant or pesticide

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