



ADJUVANT

Aqua-Right® Range

Reg. No. L6205, L6896, L6895 Act No. 36 of 1947

A water soluble buffering and non-ionic wetting agent for specific use with agricultural chemicals whose optimal performance in spray water require a specific pH.

What is Aqua-Right®:

- The **Aqua-Right® range** of adjuvants are water-soluble buffers for specific use with agricultural chemicals whose optimal performance in spray water requires a pH around **3, 5 or 7**.
- **Aqua-Right®** buffers also contain a surfactant and humectant.
- Water serves as the primary carrier of agrochemicals on crops and the quality of the water is largely responsible for the effectiveness of many agrochemical products.

Benefits of the Aqua-Right® Range:

- **Aqua-Right® 3, 5 and 7** are true buffers. A true buffer stabilises the pH at a required level and resist further acidification to undesirable low levels if more of the buffer is added.
- **Aqua-Right® 3, 5 and 7** creates a stable environment, around the chosen pH level for the agrochemical being used.
- **Aqua-Right® 3, 5 and 7** prevents alkaline hydrolysis of agrochemicals extending the half-life of agrochemicals in spray mixtures.
- **Aqua-Right® 3, 5 and 7** contains non-ionic surfactant to improve coverage on the target surface. It also improves absorption of systemic agrochemicals.
- **Aqua-Right® 3 and 5** contains a humectant which retards evaporation of droplets which improves absorption of systemic products.
- **Aqua-Right® 3 and 5** reduces antagonism of the agrichemical(s) with dissolved salts in the in the spray water which can reduce the effectiveness of the chemicals.

How to apply the Aqua-Right® Range:

- The **Aqua-Right® range** dosages are determined by the initial quality of the spray water. The quality of the water used for spraying operations can be critical to ensure the best spray results for many agrochemicals.
- **Aqua-Right®** buffers are always to be added to the spray tank first, before the pesticides.
- Always refer to the labels of all agrochemical products that will be used in a tank mixture with any **Aqua-Right®** adjuvant.

Where to use the Aqua-Right® Range:

- Use **Aqua-Right® 3** where pesticides require a very low pH (e.g. **Ag-Tap**) or with pesticides that require an acidic pH level where the water contains high levels of bicarbonate salts (high buffering capacity).
- Use **Aqua-Right® 5** with pesticides or fertilizers that require a low pH around 4.5 – 6.0 (e.g. pyrethroid insecticides).
- Use **Aqua-Right® 7** with products that require a neutral pH (e.g. copper fungicides or sulphonyl-urea herbicides).

Water-quality pH	Dosage: ml /100l water		
	Aqua-Right® 7	Aqua-Right® 5	Aqua-Right® 3
4-5	150 ml		
5-6	100 ml	50 – 75 ml	50 – 75 ml
6-7	50 ml		
7-8	50 ml	75 – 100 ml	
>8	100 ml	150 – 250 ml	150-250 ml

*See label for further details and instructions.