

# IRRISOL

## Water Conditioning Agent



A water conditioning agent for the neutralization of bicarbonates, reduction of alkalinity in irrigation water & soils.

### BENEFITS OF IRRISOL

- Effective root zone sodium management.
- Convert insoluble calcium & magnesium into solubilized plant available forms.
- Drive down your sodium absorption ratio & may lower pH of irrigation water.
- Improved crop response to fertiliser inputs.
- Cleans drip line and micro sprinkler blockages due to calcium carbonate deposition.

### THE IMPORTANCE OF CLEAN IRRIGATION AND DRIP LINES

Irrigation efficiency greatly effects the uniform application of irrigation water and impacts how nutrition applied via fertigation is utilised. Clogged irrigation lines and drippers can have a marked impact on yields and quality, greatly impacting returns on investment.

Similarly, water quality can dramatically increase the severity of irrigation efficiency and soil tilth.

Using Irrisol can greatly improve water quality, chemical spray tank efficiency and irrigation efficiency.

# IRRISOL

**CHARACTERISTICS: pH: 0.3 – 0.9 ; Specific Gravity: 1.20 – 1.22**

**AUS Analysis W/V%: 4% N, 13.5% S.**

**International Analysis W/W%: 3.3% N, 11.2% S.**

## APPLICATION

**FERTIGATION LINE CLEANING.** Rate: ~350 – 400\*/Mega Litre of water. Load fertigation tank with water, add Irrisol with agitation. \*Dose till pH falls to 2 – 2.5. Fill irrigation lines with treated water, retain in lines for 1 – 2 hours. Flush lines with treated water to clear debris. Repeat as required to clear lines.

**DRIP IRRIGATION, IN CROP APPLICATION.** Rate: ~100 – 250\*\*/Mega Litre of water. Apply frequently to manage high sodium irrigation water & reduce sodium accumulation in plants. \*\*Dose till pH falls to 3.5 – 4.0. Mixtures with trace elements are recommended. **DO NOT** mix with UAN, Ammonium nitrate, MAP, oxides, calcium or alkaline fertilisers.

**IRRIGATION WATER TREATMENT, OVERHEAD, SPRINKLERS, CENTRE PIVOTS, SPRAY TANKS, IN CROP APPLICATION.** Rate: ~250 – 450\*\*\*L/Mega Litre of water. Apply frequently to manage high sodium irrigation water & reduce sodium accumulation in plants. Dose till irrigation water pH falls to 4.5. **DO NOT** permit the pH of treated water to fall below 4.1 at any point during treatment as crop burn / phytotoxicity may occur. Properly calibrated pH meters and regular monitoring of treated water pH are essential. \*\*\*Dose rates are dependant on Irrigation water characteristics, which are variable.

**WARNING LOW PH WATER MAY CAUSE PHYTOTOXICITY / CROP BURN WHEN FALLING ON THE LEAVES OR FRUIT. AS A PRECAUTION, SPRAY A SMALL AREA AND OBSERVE FOR CROP BURN PRIOR TO WHOLE AREA TREATMENT.**

Dose rate ready reckoner \* \*\* \*\*\*drops per L x 0.05 x 1000 = L /megalitre

DROPS IRRISOL / LITRE WATER TO REACH TARGET PH	LITRES OF IRRISOL PER MEGALITRE OF IRRIGATION WATER
1	50
2	100
3	150
4	200
5	250
6	300

**DROPS ARE NOT A PRECISE UNIT OF MEASURE, USE ABOVE AS A GUIDE ONLY**

**WARNING: THIS PRODUCT MAY BE CORROSIVE TO IRRIGATION EQUIPMENT MADE FROM THE FOLLOWING MATERIALS: CAST IRON, ZINC ALLOYS, COPPER ALLOYS & LOWER GRADE STAINLESS STEEL. SUITABLE MATERIALS INCLUDE HDPE CPVC, UPVC, STAINLESS STEEL IN GRADES 316 OR HIGHER**

Agitate contents well prior to application.

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NOTE: The suggested rates of application of the Product are designed for typical Australian conditions and should be used as a guide only. Each farmer's climatic conditions, water quality, soil types, application processes and practices may differ and therefore necessitate corrections to ensure optimum results. Good agricultural practice requires that application be avoided under extreme weather conditions such as temperatures over 28°C, high humidity, frost, rain etc. It is recommended that when applying to a crop or area for the first time, or in combination with other chemicals, a small test area should be sprayed and observed prior to the total spray. Where possible, it is recommended that regular leaf tests are conducted to determine actual plant nutrient availability during each growth cycle. Soil tests at least once per year are essential.