



# agrichem<sup>®</sup>

## Irrisol Max<sup>™</sup>

*For the neutralization of bicarbonates and reduction of alkalinity in irrigation water and soil*

### **Benefits of Irrisol Max<sup>™</sup>**

- Irrigation water additive to neutralise carbonates and bicarbonates thus making water more effective in root zone sodium management.
- Acidification of irrigation water can release calcium and magnesium from their insoluble carbonate and bicarbonate forms to readily available ions for uptake by plants
- Increases sodium displacement in saline soils by accelerating calcium and magnesium
- Irrisol Max<sup>™</sup> reduces the sodium absorption ratio (SAR) and can lower pH of irrigation water
- Improves crop response to fertilisers.
- For cleaning drip lines blocked by calcium carbonate deposits.
- It is not prone to settling upon bulk storage and application.
- Physically compatible with most agrochemicals. Improves the efficiency of some herbicides and insecticides prone to alkaline hydrolysis.



NOTE: The suggested rates of application are designed for typical Australian conditions and such 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 (sap) tests are conducted to determine actual plant nutrient availability during each growth cycle. Soil tests at least once per year are essential.

## Product Characteristics

**Specific Gravity:** 1.49 - 1.52 **Colour:** Light Blue Green Liquid

## Directions for Use

Agitate contents well before dilution. Suitable for application by:



**Fertigation**

**Drip Systems**

**Centre Pivots**

CROP	RATE L/MegaLitre of Irrigation Water	COMMENTS
<b>FERTIGATION LINE CLEANING</b>	125 - 140 L or sufficient Irrisol Max™ to drop pH of Irrigation water between 2 - 2.5	Fill your fertigation tank with irrigation water and carefully add Irrisol Max™ with constant agitation. Send a pulse and retain water in the lines for 1-2 hrs followed with another pulse of acidified water in the tank to push the debris out of the lines. The number of treatments depends upon the extent of blockage.
<b>IRRIGATION WATER TREATMENT, APPLIED THROUGH DRIPPERS IN ROOT ZONE</b>	35 - 90 L	Add just enough to drop pH to 3.5-4.0. Apply at regular intervals to manage high sodium irrigation water and accumulation of sodium in plants. Do not apply together with alkaline fertilisers, UAN, ammonium nitrate, MAP, oxides or calcium formulations. Ideally apply when fertigating trace elements.
<b>IRRIGATION WATER TREATMENT FOR OVERHEAD SPRINKLERS OR CENTRE PIVOTS, SPRAY TANKS ETC. IN-CROP APPLICATION</b>	90 - 160 L	Apply sufficient to adjust irrigation water pH to 4.5. Apply at regular intervals. The injection rate of Irrisol Max™ must be determined through the flow rate of each Mega Liter of irrigation water through the main line. Utmost care must be taken to avoid pH drop below 4. Regularly check the pH with a pre-calibrated pH meter to avoid guesswork as low pH may burn the crop. Application rates would depend entirely upon the water quality and should be calibrated to adjust the injection rates. Take 1L sample of your irrigation water and add Irrisol Max™ drop by drop until pH is 4.5. Determine the amount of Irrisol Max™ required per L by counting the No. of drops/ml of Irrisol Max™, then extrapolate to the irrigation volume. Warning: Low pH water falling on the leaves can cause burns and damage the crop. As a precaution, spray a small area first and observe for burn, before applying to the whole area.



**RATE/MegaLitre: Application rates (L/MegaL) of Irrigation water per irrigation.**

**WARNING:** This product may be corrosive to materials prepared from cast iron, zinc alloys, copper alloys and ordinary stainless steel. Suitable with CPVC, PVC, Stainless Steel 316, HDPE tanks and materials including nozzles.