

Tradenotes

Trials show treatment benefits

HYDROSMART has commissioned two new research projects to further study its non-chemical water treatment system, and to provide scientific support for the anecdotal success stories reported by grapegrowers and other agriculturists using the Hydrosmart system.

The company has already received positive reports on the system's effectiveness from wineries across the country, but acknowledges some operators require greater scientific validation before investing in the Hydrosmart system, which improves water quality without needing massive energy inputs – unlike systems using processes such as reverse osmosis.

Hydrosmart has commissioned the two research projects to allow growers to see precise results in a clear format. One trial is examining the system's ability to reduce salinity in irrigation water, and is using lettuces – which are susceptible to salinity – as a test crop. Lettuces prefer water with a sodium level around 40 parts per million, but were able to grow healthily using treated water previously measured with salinity levels of 4000ppm before being treated by the Hydrosmart system.

A second trial is underway looking into the dissolution of calcium in water treated using Hydrosmart resonance frequencies. Initial results of the study have found that the Hydrosmart system helps break down the scale-causing calcium carbonate – resulting in a scale-free system.

Details: hydrosmart.com.au

