

Solutions for a raft of water problems

Wineries, fruit and vegetable farms, large scale irrigators, sporting grounds, nursing homes, mines, abattoirs and houses on the Pacific Ocean island nation of Vanuatu might seem to have little in common. But a need for high-quality water and improved soil health around the world has led to all of them benefiting from our revolutionary Australian-made product.

DELTA Magnetic Water Conditioners, which treat water through powerful magnetic fields, are proving a mighty weapon against mineral and salinity problems in water supplies and soils. We manufacture and distribute our 100% Australian made and owned conditioners out of our Hunter Valley base in NSW.

Magnetic water treatment is environmentally friendly, pollution and maintenance free, incurs no chemical, maintenance or energy costs and has a service life of more than 25 years. All DELTA products have a 100% money back guarantee.



DELTA helps create green oasis

Goulburn Workers Arena is a green oasis in a drying landscape. And Goulburn Produce agronomist Kathryn Maas wants the sporting ground to remain that healthy emerald hue.

Kathryn started working with Goulburn Workers Bulldogs RLFC several years ago to improve their home ground as the big dry took its toll on Goulburn's water supply. After town supply to water the oval was cut, the club drilled a bore to keep their playing surface alive.

"It was extremely salty and it was causing problems with the grass," Kathryn says of the bore water. "It was browning off, not growing very well and the salt was building up in the soil."

So Kathryn suggested the club turn to 100% Australian magnetic treatment technology supplied by DELTAwater solutions. "The magnetic treatment reduced the impact of salt in the soil. Soil tests taken 12 months after the magnetic conditioner went on showed a significant drop in the level of salt in the soil. And the visual results were also significant."

The hardy turf blend, a mixture of summer and winter grasses, Kikuyu, Fescue, Kentucky Blue and Strawberry Clover, has been on the DELTA-treated supply since mid-2005 and Kathryn's happy with the result.

Kathryn has also advised the football club to switch to using nitrogen instead of multiple salt fertilisers and gypsum to help reduce salt levels. All these factors, coupled with extensive work by the club to aerate the surface for improved drainage, see the ground in good shape.

Kathryn is sure the DELTA Magnetic Water Conditioner is playing its part in keeping that sporting opportunity alive for Goulburn residents. "The best thing these magnets do is stop scale from hard water and probably the next best thing is they minimise the effects of salinity," she says.



Problem

In early 2005 the City of Goulburn was experiencing severe water shortages because of the prolonged drought. Because of these restrictions the watering of parks and gardens was banned. An old bore on site was renovated; however, the water test results of the bore water indicated the bore was unsuitable for irrigation of turf:

Electrical Conductivity	4280 uS/cm
Total Dissolved Solids	2750 ppm
Total Hardness	1395 ppm
Sodium	610 ppm
Chloride	630 ppm

Solution

In July 2005, a 50-millimetre Grade-3 DELTA Magnetic Water Conditioner was installed. The magnetic treatment was an important part of a set of improved turf management practices including using nitrogen instead of multiple salt fertilisers and gypsum to help reduce salt levels plus better aeration of the surface for improved drainage.

Result

Soil tests taken 12 months after the magnetic conditioner was installed showed a significant drop in the level of salt in the soil. The magnetic water conditioner is preventing scale from hard water and minimising the effect of salinity. Goulburn Workers Arena remains a green oasis in a drying landscape.

DELTA helps prevent calcium build-up in NSW winery

NSW winegrower David Edmunds adopted the DELTA technology about seven years ago. At the time it felt like a leap of faith, he says, but now he's a true believer and he's happy to spread the word.

David has 800 litres of hydrochloric acid that's been sitting idle in a shed for two years at Tangaratta Vineyards, the property he manages near Tamworth. The acid's been made almost redundant by a 100 millimetre Grade-3 DELTA Magnetic Water Conditioner attached to an irrigation pump on a dam fed by the vineyard's bore.

In the past David had to flush the irrigation lines on the property's 28-hectare vineyard with the acid solution several times a year to clear calcium that was blocking drippers. It took time and it was frustrating. But now it's a thing of the past. And it's a similar story with the irrigation system's filtration cartridges.

"The maintenance of the whole system is so much better and easier," David says. David urges other winegrowers who are worried about water quality and who are keen to create a more efficient supply system with less maintenance to keep an open mind and consider DELTA Magnetic Water Conditioners.

"A lot of people ring up and I say I can't give them any scientific explanations as to what happens but our workload, especially with cleaning filter cartridges and drip lines, has changed dramatically," he says. "DELTA has saved us a hell of a lot of work."



Problem

Calcium build-up caused blockages in vineyard irrigation system, creating an inefficient watering regime.

Solution

Installation of 100mm Grade-3 DELTA Magnetic Water Conditioner, specifically adapted for the dripper system.

Result

The dripper system remains relatively free of calcium build-up for longer periods of time.



DELTA helps make salty soil and water more productive

DELTAwater solutions is also achieving long-term results for Bundaberg fruit and vegetable grower Godfrey Priebe, who has a message for DELTA staff after using a 100mm Grade-3 conditioner for his irrigation crops for the past decade.

"It works so well there is no way I'm giving it back. In fact I wouldn't even sell it back to them if they asked me to," he says.

Godfrey, who grows fruit and vegetables including tomatoes, capsicums, watermelons and zucchinis on three farms in Bundaberg district, says he believes the influence of his DELTA conditioner is improving his crops every year.

"It's still working, that's for sure. In fact we've just harvested capsicums in a spot I would never have dreamed of growing capsicums before because of the high salt content in the soil," he says. "Capsicums don't like high salinity and our irrigation water is up to 7200EC. Yet they did well. When we put capsicums in there about 10 years ago we lost the lot and I have never been game to do it again until now."

Problem: High salinity in water supply led to poor-quality or no crops and fruit.

Solution: DELTA water analysis revealed high salinity and recommended installation of a 100mm Grade-3 DELTA Magnetic Water Conditioner.

Results: After a decade, crops including tomatoes, capsicums, watermelons and zucchinis living on magnetically treated water continue to thrive.

better water naturally