

in the vineyard - the benefits of DELTA technology



Deltawater
solutions

fact sheet 8

CASE STUDY

South Australian grape grower Peter Schulz from Loxton reckons it's all about efficiency. It's been almost three years since DELTAwater solutions supplied four 100-millimetre Grade-2 magnetic water conditioners for his Salmon Gum Estates property and Peter's done the sums.

Better water quality equals less maintenance and greater efficiency, Peter's happy with the numbers that DELTA technology is producing on his patch of soil.

"We were being pro-active, trying to be more efficient with water and concerned about the future quality of our water too," Peter says. "It's helping the vines to grow quite nicely now and we've still got very little sediment in the dripper so we're happy with that."

Peter says the technology has also boosted water pressure and performance at one of his blocks. "We found that it actually reduced friction inside the pipes so water flowed through them easier," he says. "That in turn increased pressure in some poorly-designed pipelines, made them more efficient and that made the property work better. We actually got better pressure to our drippers."

The grape grower has noticed DELTA Magnetic Water Conditioners beginning to dot the Riverland countryside in his district. "I'd definitely encourage people to consider DELTA technology," he says.



Wineries, fruit and vegetable farms, 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.

DELTAwater solutions manufacture and distribute our 100% Australian made and owned conditioners out of our Hunter Valley base in NSW. A magnetic field created by the DELTA conditioners reduces water surface tension and increases its ability to retain oxygen. The changes allow minerals to crystallize in the water instead of surfaces such as the inside of pipes, and reduce the impact of salt molecules on plants and soil.

Magnetically treated water allows soaps, cleaning chemicals and fertilisers to work better and is particularly good for recirculation systems such as air-conditioners and swimming pools. Also, for something like stock-watering systems, once a pipe is clean it stays clean, as long as water continues flowing.



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CASE STUDY

NSW winegrower David Edmunds adopted the DELTA technology in 2002. 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's got 800 litres of hydrochloric acid that's been sitting idle in a shed for several years now 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."



These images show the impact of installation of a DELTA Magnetic Water Conditioner on scale build-up in a drip irrigation system at Tangaratta Vineyards near Tamworth in NSW.

The second photo is taken 18 months after installation.

