

in the paddock - the benefits of DELTA technology



fact sheet 3

A DELTA Magnetic Water Conditioner has 'chucked a big lifeline' to NSW irrigator Stephen Way from Whittier Park near Deniliquin. "The technology must work or all the canola we planted last year would have died. It's definitely chucked us a big lifeline. And the crops we're growing this year are excellent so it's made something that was basically useless valuable again."

Stephen says the bore water he was using for sheep and to irrigate crops was 'destroying the country'.

"We were doing that much damage using the bore that we had to limit its use for the past five or six years. Our land was becoming obsolete because of the build-up of salt in the soil and growing sodium problems. In the years of drought I very much doubt that if the DELTA Magnetic Water Conditioner wasn't working whether we'd even be here."

DELTA Magnetic Water Conditioners can help improve crop performance and yield and promote plant growth in unproductive areas.

They can help prevent:

- > Poor plant uptake of water
- > Damage to plant leaves, cells and roots of emerging broadacre crops caused by saline conditions
- > Mineral blockages in irrigation systems
- > Damaging arable land from over-use of a saline supply
- > Deterioration in the condition of livestock surviving on poor-quality water



They encourage:

- > More efficient use of available water resources including mineral-hard or saline bores
- > Water savings and efficiency – improves penetration into the soil. Less loss to evaporation and run off and improved uptake of water by plants
- > An increase in the potential of crop rotation because of greater security in water supply
- > An increase in the versatility of crop species to be grown. Improving water quality increases the growth potential for species with low salt and mineral tolerances



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Hunter Valley-based company DELTAwater solutions manufactures and distributes its 100% Australian made and owned product across the country and around the world.

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. 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 fertilizers 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.

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.

CASE STUDY

Long-time farmer John O'Donnell knows you need quality water to germinate lucerne. Salty irrigation bore water was hindering growth of crops and pastures on his Condobolin district property "Merriwee" in central western NSW.

But when he saw those tiny lucerne seeds starting to shoot after installing two 250- millimetre Grade-3 DELTA Magnetic Water Conditioners on the irrigation bore he knew he'd backed a winner. The water conditioner has turned water supply with high salt content into quality liquid and John's pastures and crops continue to grow with extra vigour.

"Clover doesn't like salty water too much and it came back too, growing away," John says. "I'm 100 per cent convinced that the DELTA technology works."

John and son-in-law Guy Shoemark adopted the technology after fearing that flood irrigating with the property's bore supply was slowly poisoning their soil with salt. They put the bore down about five years ago, when supply from the Lachlan River and nearby creeks started drying up as the big dry bit deeply, but they knew their crops and pastures weren't responding to the water as they should. "We were worried about soil problems if we continued using the bore water," John says.

So they looked to the future and decided to dance with DELTA.

"It certainly works, there's no doubt about that," John says. "There are no worries about using bore water now. We let it run and it's all right as long as it's got a conditioner on it."

Soon it won't just been the paddocks getting the DELTA treatment at the western NSW property of more than 5000 hectares. John and Guy are installing another two magnetic water conditioners at the O'Donnell and Shoemark households to treat supply from a smaller bore. It will mean quality water for their gardens, their homes and their stock.

"It was my wife Heather's idea," John says. "She's got a big garden, with big trees, roses and lawns – you name it she's got it." It's that tinge of green, in the garden and the paddock, that signals optimism and hope. John reckons it makes all the difference.

Water test results

Electrical Conductivity	5390uS/cm
Total Dissolved Solids (TDS)	3449.6mg/l-ppm
Total Hardness (CaCo3)	1395mg/l-ppm
Sodium	1200mg/l-ppm
Chloride	450mg/l-ppm