

# in the fruit and vegetable patch

## the benefits of DELTA technology



### fact sheet 4

**DELTA technology is providing solutions for home gardens right through to large-scale vegetable, fruit and orchard production.**

#### DELTA prevents:

- > Leaf burn and plant failure caused by saline conditions. The Delta magnetic conditioners have proven success treating water up to 7200EC
- > Poor-quality plant leaf and root development caused by lack of cellular access to moisture
- > A need to use harsh chemicals for irrigation system clearing or cleaning
- > Salinity and mineral-based soil compaction and poor water penetration into the soil
- > Poor yields caused by soil deterioration from constant saline irrigation

#### DELTA results in:

- > Plant absorption of moisture and nutrients by changing water's molecular structure
- > Increased plant root growth and development
- > Diversity in crop species - from salt-tolerant tomatoes to salt-intolerant capsicums
- > Continual improvement in growing conditions by leaching sodium from the soil due to the better-quality water
- > The use of a variety of water resources such as rivers, tanks and bores

## CASE STUDY

Smithfield's Ray Hussey only has to step into his back yard to know the DELTA technology is bearing fruit. The north Queenslander has stripped a paw paw weighing more than three kilograms off one of his trees since he started irrigating it with bore water improved by the company's water treatment technology.

"I reckon they've almost doubled in size," Ray says of the fruit. "I don't fertilise the things, I just water them and I reckon I got up to 50 paw paws on one of the trees. I actually had to use a steel cable to hold the trees upright because of the weight of the paw paws."

Ray, who owns an earth-moving business about 20 minutes north of Cairns, rang DELTAwater solutions owners Alex and Dianne Panov after seeing a program for their water technology on television.

He gave it a go and he's reaping the rewards of superior water quality thanks to DELTA.

***"I tell people to come and have a look," Ray says. "And when I showed one bloke one of my paw paws he said he'd never seen them that big before."***

It's not just paw paws that are relishing the improved water quality. Ray's recording giant success in the vegetable patch too. He and a mate grew an award-winning pumpkin, irrigated with supply boosted by the DELTA touch. "It was a monster pumpkin, about 55 kilograms, and it took two of us to move it," Ray says. "It had been watered with the DELTA water and it won grand champion at Cairns show."



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Wineries, fruit and vegetable farms, large scale irrigators, sporting grounds, nursing homes, mines, home gardens, 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.

The DELTA water treatment technology, which treats water through powerful magnetic fields, is 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.

DELTA water treatment is environmentally friendly, pollution and maintenance free, incurs no chemical, maintenance or energy costs and has a service life. All DELTA products have a genuine guarantee.

## CASE STUDY

South Australian Jack Teligiannidis, who with his business partners supply fresh produce for the Adelaide market, is among a growing list of farmers thrilled with the results of the DELTA technology.

Jack, who farms four acres of tomatoes, cucumbers and capsicums as part of N. K. and E. Teligiannidis at Virginia in Adelaide's northern suburbs, described his application of the DELTA technology as 'the best investment I've ever made'.

Jack taps into a bore supply for irrigation and has seen a dramatic change in his crop since installing a 75mm Grade-4 conditioner. "There's a lot of iron in the water and the salinity was a bit high. The ground was turning white, my plants were wilting and leaves were turning yellow – all the things DELTA described in their information packs," he said.

***"I put the DELTA on and I've seen a big difference. The plants are completely different and a lot healthier. I'm getting a lot more flowers, the fruit is setting a lot better, it's easier to size the fruit and there is no longer a white crusting on the soil. The only thing different to what was previously in place is the DELTA."***

### **Problem:**

High mineral content and salinity in bore supply hindered crop growth and productivity.

### **Solution:**

After sending in a water sample to DELTAwater solutions' laboratory for testing and getting direction from the company's water-analysis team, he installed a 75mm Grade-4 Delta.

**Water test results** Electrical Conductivity 2570uS/cm Total Dissolved Solids (TDS) 1644.8mg/l-ppm  
Total Hardness (CaCo3) 600mg/l-ppm Sodium 240mg/l-ppm Chloride 500mg/l-ppm

### **Result:**

A dramatic improvement in plant and fruit quality and yield within 12 months. White crusting on soil has disappeared.