

## Hydrosmart and Salinity

### Problems

#### Salts build up in the soil

The irrigation water evaporates and leaves the salt to clog the roots.

#### Plants are starved of nutrients

These large salt crystals grab nutrients and block the capillaries.

They are too big to pass into the roots.

#### Highly corrosive to equipment

Pipes, pumps, valves and any other metals in contact with the water suffer from severe corrosive attack.

### The Solutions

#### Hydrosmart treatment

The Hydrosmart computer generates a series of resonance frequencies that **stops molecular bonding** and the large mineral crystals fall apart.

#### Breaks down minerals in the soil

The resonance treatment stays active in the water and breaks down the large mineral crystals, already in the soil, into **tiny sub 4 micron non-reactive particles**.

**Soil salinity levels improve.**

#### Makes nutrients available

Breaking down the mineral crystals **clears the capillaries**. The now non-reactive particles stop bonding and **free up nutrients** they were grabbing. The minerals themselves are now presented to the plant as **bite sized nutrients**.

#### Improves plant growth

The tiny particles can now **go through the root capillaries**. The nutrients easily travel throughout the plant to all its extremities. This **eliminates tip burn** and an assortment of other growing problems.

#### Prevents Corrosion, Stops scale

The Hydrosmart resonance frequencies inhibit chemical interactions and thereby corrosion. The resonance frequencies remain active in water for several days and progressively break down any existing scale deposits, **de-scaling all equipment** connected to the treated flow within 3 months.