

# Agriculture and irrigation



## Practical examples

### Vegetable farming:

Vegetable farming: Aqua-4D® treatment results in reductions of up to 30% in fertilizer use. Better synchronisation of growth is achieved, resulting in standardisation of the size of vegetables and fruit. There is increased resistance to pathogens and parasites, and it is especially effective against nematodes.

### Horticulture:

Aqua-4D® treatment improves the overall appearance of plants because of less water staining and blotching of leaves. Flowers last longer and colours are brighter.

### Saline Water:

Elevated salt concentration in irrigation water causes many problems. With Aqua-4D® treatment, plant health is improved and the flavour of salads, fruit and vegetables is massively increased. Production losses are minimised and salt pollution of the soil is no longer a problem.

### Parks and playing fields:

Aqua-4D® significantly increases water storage capacity of soils, resulting in better growth of grass and increased resistance to droughts. Water, fertilizer and pesticide use is reduced, resulting in significant cost savings.





## Happy customers...

« ... instead of investing and operating a reverse osmosis system ... »  
... using saline water from groundwater sources treated with an Aqua-4D® system, we have managed to reduce fertilizer usage by 25%, while increasing the quantity and quality of our tomatoes. We have also eliminated the scaling problem in our water pipes.

France-Tunisia, Les Délices du Sud

« ... root growth is much improved in all plants. »  
... we have also noticed that growth is accelerated by one to two weeks....In addition to that, plants are visibly more healthy, flower colour is more even, deeper and richer....my plants are much more resistant to nematodes.

Switzerland, Maurice Dussex, vegetable farmer, Fully



## Advantages of Aqua-4D®

### Cost Savings

Aqua-4D® achieves significant cost savings of between 30 and 50% by reducing the dose of fertilizers, acids and pesticides required without loss of quality, due mainly to improved distribution patterns and assimilation of the products and also to significantly better root growth.



### Protection of Equipment

Aqua-4D® modifies the crystal structure of calcium carbonate. It prevents new deposits forming and enables removal of existing scale. The passivation of the internal surfaces protects from corrosion. The biofilm is detached and new formation is inhibited. The combined effect (anti scale, anti corrosion and anti biofilm) enables prevention of bacteria development.

### Better growth patterns

Customers and institutes have confirmed faster growth, earlier ripening and earlier plant maturity. The appearance of ornamental plants is improved and, soil is more fertile and more efficiently used.



### Improved disease resistance and to saline waters

Plants are more resistant to disease, heat and to saline waters. Phyto sanitary treatments are significantly reduced due to better overall plant health and more efficient uptake of products.

### Environmentally friendly

Thanks to lower doses and improved nutrient uptake, chemical loading of surface waters and groundwaters is considerably reduced. Increased water storage capacity of soils results in significant savings in water use.