

QUALITY PAR EXCELLENCE ...



UPTO

23%

INCREASE OF
YIELD PRODUCTION

UPTO

36%

FERTILIZER
SAVINGS

UPTO

30%

WATER
SAVINGS

UPTO

100%

NEMATODE DAMAGE
CONTROL

UPTO

91%

DECREMENT OF SALT
DEPOSITS IN SOIL

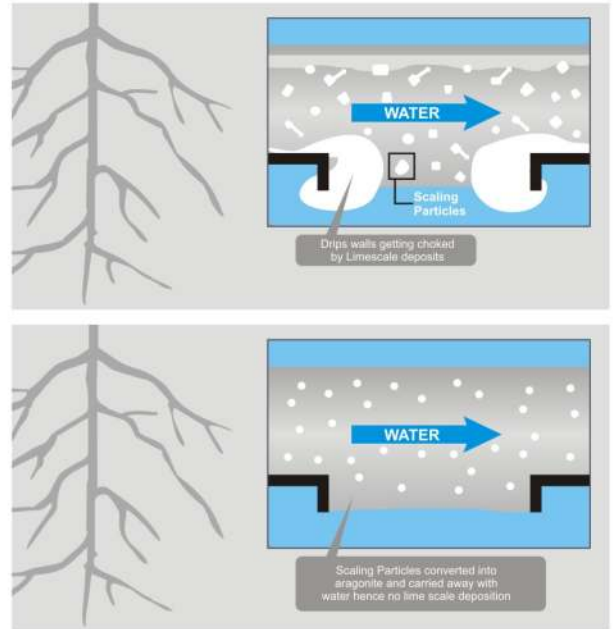
UPTO

79%

Scaling Free
Plumbing Lines

Consider the Benefits

- Reduces leaf burn.
- Less fertilizers required.
- Water usage is reduced.
- Healthy livestock on bore water.
- Turn scale into beneficial nutrients.
- Reduce dependence on chemicals.
- Increased plant and crop growth, greater yields.
- Reduces the effects of salts and minerals in all water.
- As the scaling is removed ball valves and taps operate smoothly.
- Lowers salinity in the soil hence grows healthy plants in saline water.
- Drip irrigation doesn't get choked hence the drip line stays cleaner.
- Improved water penetration results in fast penetration of calcium and the soil doesn't get binded up.
- Inhibits algae growth in stock troughs and tanks remains cleaner provides a more useable water supply.
- Avoids the growth of Nematodes in roots & soil.
- Reduces Nematodes in the crop yields.



Your Irrigation In Action :

After installation of Orbit Agrismart Plus minerals are dissolved and remain in the flow as smaller particles that will pass through any dripper, filter or spray nozzle, ensuring even irrigation to individual blocks and rows. The first bonds to be broken are those between the pipe work and the scale, which can sometimes break off in lumps and flow towards the end of the irrigation system, making it important to flush out the broken down scale during the first few weeks of the de-scaling process. Conventional treatments require the use of acid which ends up in the soil. By contrast, with Orbit Agrismart Plus there are no harmful chemical additions to the soil, so soil health remains robust. Treating an irrigation system with Orbit Agrismart Plus provides savings in maintenance costs relating to labour and consumables.

Benefits For Crop Growth :

Through treatment, tiny mineral particles in your water become bio-available as a plant nutrient, giving a double benefit. Iron, calcium, magnesium, and iron build-up in pipes is released, and is simultaneously converted into available nutrients. Treating an irrigation system with Orbit Agrismart Plus provides considerable savings in the maintenance costs associated with labour and consumables. This treatment of borewater lessens the quantity of fertilizer required to grow crops successfully, and so the business bottom line also benefits.

Effects On Plant Growth :

Many improvements in plant growth have been observed whenever Orbit Agrismart Plus is used to treat irrigation systems. Essential minerals in the water and soil such as calcium, magnesium, potassium and iron, which are essential for healthy plant growth are now available to be easily absorbed into the plant. Calcium, a key nutrient, is easily transported throughout the plant, eliminating growing problems, whilst improving fresh weight, taste, colour and shelf life. Chemical treatments require the use of acid which can end up in the soil. By contrast Orbit Agrismart Plus does not harm the soil ecology or interfere with plant root function. With enough minerals present and in the right form, efficient transpiration within the plants causes sugars to be readily generated and easily mobilized, affecting flavour and quality. For similar reasons, an increase in the plant's resistance to disease and insect damage is observed. Many growers using Orbit Agrismart Plus treatment are reporting significant increases in sugar levels allowing crops to be picked on the full with greater harvest tonnages.

Ongoing Science:

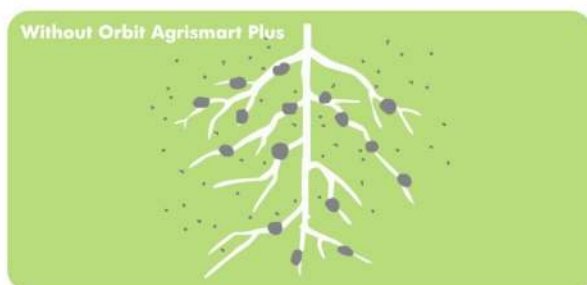
Nutrient levels in harvested crops are enhanced by the use of Orbit Agrismart Plus water treatment technology. This has been documented in tests over a period of more than a decade, and the Orbit Agrismart Plus research program has federal approval to continue. Treated water enables plants to grow at fertilities that nature never intended. Nutrients in irrigation water also become available due to treatment, while descaling action in watering systems leads to better flow and thus improved irrigation. Use of this technology enables you to turn fundamental physics against the challenges that you face in dry and challenging conditions so that both the land and you the grower come up winners. The Orbit Agrismart Plus offers the opportunity to make the most of the nutrients already on your property, thus reducing fertiliser costs. If you fertilise, less fertiliser is required than was required before, due to interactions of minerals with nitrogen and phosphorus inside the plants. Scientific trials have shown that crop systems with and without Orbit Agrismart Plus perform radically differently; crops treated were alive and healthy, while those untreated were dead or unhealthy. PhD qualified testing associates have shown reductions in calcium particle size and dramatic improvements in crop weight and health.

Anti-corrosion :

Corrosion relies on precipitation of minerals on metal surfaces. By opposing precipitation, Orbit Agrismart Plus controls corrosion. Additionally, existing precipitation can be cleared. As corrosion is neutralised, infrastructure such as pipes, taps, tanks, nozzles and valves not only last longer, but work better. Opportunity to make the most of the nutrients already on your property, thus reducing fertiliser costs. If you fertilise, less fertiliser is required than was required before, due to interactions of minerals with nitrogen and phosphorus inside the plants. Scientific trials have shown that crop systems with and without Orbit Agrismart Plus perform radically differently; crops treated were alive and healthy, while those untreated were dead or unhealthy. PhD qualified testing associates have shown reductions in calcium particle size and dramatic improvements in crop weight and health.

Nematodes :

The land infected by nematodes is cured upto 100%. When the water treated by the Orbit Agrismart Plus water treatment technology gets in contact with soil as well as the roots or parts of the plant which are infected by nematodes, its nemostatic effects allors for an elimination or a reduction in the usage of nematicides. In case of high presence of nematodes before plantation, an initial disinfection is still necessary. Nematodes are stressed, disorientated and lay less eggs. Their population is reduced to a sufficiently low number where they no longer damage cultures. This process does not effect the soil biology. when the treated water gets in contact with soil ,it helps the soil to become free and more soil is solarized as the soil is not binded up by hard water. Soil solarization is an environmentally friendly method of using solar power for controlling pests such as soilborne plant pathogens including fungi, bacteria, nematodes, and insect and mite pests along with weed seed and seedlings in the soil solarization. It may also describe methods of decontaminating soil using sunlight or solar power. As the research have proved solarization is the effective way to avoid/remove nematodes. Hence this double action by Orbit Agrismart Plus water treatment technology helps to remove the existing nematodes and assures that it is not infected further.



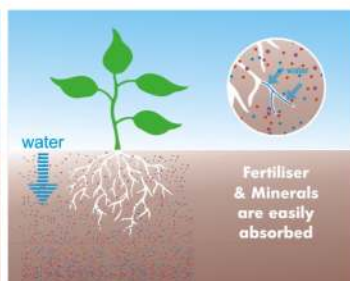
▲ Nematodes are attracted to roots :
Damage to the crops.
Important attacks.



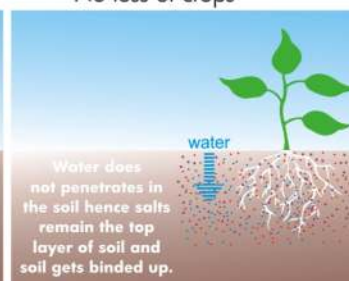
▲ Nematodes are disorientated and confused :
Controlled and limited attacks
No loss of crops



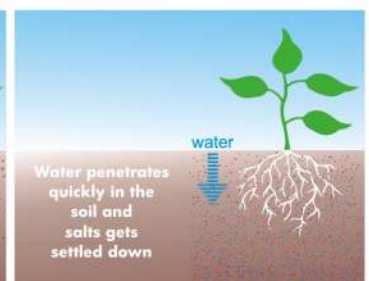
▲ Without Orbit Agrismart Plus



▲ With Orbit Agrismart Plus



▲ Without Orbit Agrismart Plus



▲ With Orbit Agrismart Plus



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