



For healthy growth



For a clean environment



For better yields



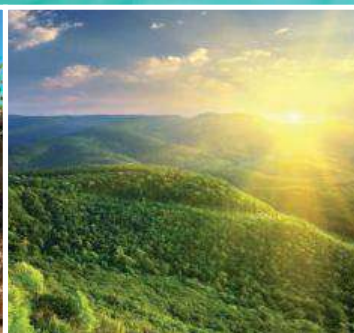
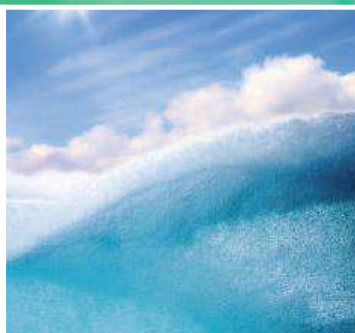
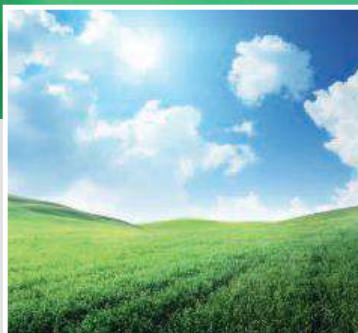
Increases water storage capacity



Free of chemical additives

# natural<sup>®</sup> green AQUASAVE

nature helps nature



**NATURAL SOIL CONDITIONER FOR  
INCREASING THE WATER STORAGE CAPACITY**



## natural green-AQUASAVE

### Natural Soil Conditioner

For Increasing the water storage capacity  
and soil fertility of all types of soil

#### Description:

**natural green- AQUASAVE** is a Soil Conditioner for improving the water supply of plants and helping to overcome drought stress problems. Further on it increases the soil with essential, long lasting micro-nutrients, Calcium-, Magnesium- Ions and Humic acids for optimizing soil fertility.

**natural green- AQUASAVE** is a compound of several milled or micronised natural water storing minerals (e.g. Calcium/Magnesium Carbonates, Pumice stone, Lava) in combination with natural Humic- Acids, natural green-MC and Superabsorber (SAP). Due to micronized particles of the different minerals and chosen natural organic materials each of the compound granules has an extremely high water adsorption and absorption capacity.

**natural green- AQUASAVE** granules work in the soil as long-lasting, rechargeable mini-water reservoirs. By this, surplus of irrigation water or water from rainfall can be stored and will help supplying plants and seeds over a longer drought period with water. Thus it can help to overcome drought stress problems and/or to save irrigation water.

**natural green- AQUASAVE** improves soil fertility and act as stabiliser in the soil ecosystem guaranteeing a better nutrient utilisation and mobilisation. Due to this unique combination root and plant growth, plant health, yields and quality can be drastically increased.

**natural green- AQUASAVE** can be used in all soil types and for all planting and sowing activities in landscaping, horticulture, agriculture and forestry. natural green- AQUASAVE has demonstrated its superior performance particularly in pot or container plant production and for planting new trees, mainly in semi-arid and arid regions, where a high water use efficacy is of main evidence.

To re-vitalise old trees an injection of granules into the root zone and as well the application of the granules into the soil before soil will be covered with new "rolled sods" has shown excellent results in sport fields and golf courses.

**natural green- AQUASAVE** is a granulated product. The product can be spread by hand or any mechanical spreader type and can be easily incorporated into the soil. It also can be blended with organic or mineral fertilisers, growing medium and other dry soil amendments.



## Physical-chemical properties:

<b>Appearance:</b>	<b>grey-brown granules</b>
<b>Bulk density (g/cm<sup>3</sup>):</b>	<b>approx. 1,3</b>
<b>Granule size:</b>	<b>1- 4 mm</b>
<b>pH value:</b>	<b>6,5 -7,5</b>
<b>High water ab- and adsorption capacity:</b>	<b>20-30 times of its own dry weight independent from placement in soil</b>
<b>High content of natural Chelates:</b>	<b>~ 10 % Humic and Amino acids</b>
<b>High salt tolerance:</b>	<b>due to high salt absorption capacity of pumic stone material and Humic acid</b>
<b>Toxicology /Ecology:</b>	<b>non toxic for plants, soil organism and ground water according to OECD - Test</b>

## Raw material sources:

- Natural micronized Pumice stone
- Natural micronized Calcite energetically combined with Humic acids
- Natural micronized Lava rich in Iron (Fe) and additional Micronutrients.
- Superabsorber
- natural green-MC

## Biological/physical benefits:

- High water storage capacity for optimal water supply of plants
- High content of natural minerals and micro-nutrients increasing soil fertility
- High content of Calcium-, Magnesium-Ions and natural Humic-Acids
- Improves aeration and water penetration into the soil
- Improves water and nutrient uptake by plant root system
- Improves bio-mass production
- Improves yield and quality of a wide variety of crops
- Reduces water stress problems

## Ecological benefits:

### natural green- AQUASAVE

- Is free of chemical fertiliser
- Is free of synthetic Chelates
- Is free of Chloride
- Is totally safe to the environment and free of weeds and germs.
- Is free of any compost, manure or organic waste from with pesticides treated agricultural or horticultural crops.

## Fields of application:

- Plant-pit application for new planted trees and shrubs
- Plant bed application for flowers
- Treatment of soil substrates for container plants
- Vegetable production in Green Houses and in the open fields
- Can be blended with starter fertiliser (under-seed application) for all agricultural seeded or planted crops.
- Soil treatment for new planted turf, lawn and grassland areas
- Re-treatment of established turf and lawn in combination with aerification programs
- Furrow application for agricultural crops (e.g. potato, row crops, tomato, beans)





## Recommendations for use:

**natural green- AQUASAVE** must be incorporated evenly into the soil near by the main root zone area before planting or seeding.

After soil preparation and planting, the treated area should be irrigated intensively.

For stock production of substrates: **natural green- AQUASAVE** should be evenly mixed with the substrate before application.

## Irrigation:

Due to the high water storage capacity of **natural green- AQUASAVE**, the irrigation frequency should be reduced, securing optimal moisture content of the soil for excellent plant growth.

## Dosage rates:

For growing media: 0,3 - 0,6%

For Sandy soil: 50 - 100g/sqm

For Loamy Sand: 30 - 70g/sqm

For Heavy soil: 50 - 80g/sqm

Packaging: 25 Kg sealed PE-Bags (PE)

## Storage condition:

The product can be stored in dry warehouses up to 3 years.

After opening the bag, the product should be applied and incorporated into the soil as soon as possible.



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natural<sup>®</sup>  
green  
AQUASAVE

natural  
green  
GmbH

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