

### Description- specifications

**Ferticell Universal Salinity** It is an ecological liquid product for soil application that helps control excess salt in the soil. It can also be mixed with seeds, organic materials and organic or chemical fertilizers before soil treatment.

**Ferticell-Universal-Salinity** is made from microorganisms, algae extract and plant extracts. It can be dissolved and oxidized in soil alumina material and phosphorus. The reaction will destroy the lattice structure of the fertilizer products and release multiple elements such as K, P, Al, Mo, etc. It is known that the acid produced by microorganisms from their biological assets can dissolve the reticular structure of minerals. Carbon dioxide (CO<sub>2</sub>) produced by microbial respiration can form carbonic acid (H<sub>2</sub>CO<sub>3</sub>), which will dissolve some secondary forms of K, Ca and Mg. Organic acids, sulfuric acid and nitric acid produced in the microbial oxidation of sulfide and ammonium salt can dissolve trace element salts.

#### Symptoms

##### Reduce mineral fixation

The type of acid varies with the mechanism of action. **Ferticell-Universal-Salinity** has the ability to convert ineffective nutrients, such as K, P, N, Mg, Fe, Ca, etc. in effective nutrients. Therefore, it will improve the nutritional level of crops and produce other active biological materials that will promote the growth of crops.

**Ferticell-Universal-Salinity** has high resistance to cold, drought, insect diseases and other types of stress.

##### Reducing Potassium Fixation

When potassium sulfate is mixed with **Ferticell Universal Salinity**, the amount of potassium fixation is 21.0% less than that of the control after 3 days, and 37.5% less than that of the control field after 10 days. Tests show that **Ferticell Universal Salinity** will increase the potassium availability to the plants.

### GUARANTEED ANALYSIS:

Composition	Percentage (w/w)
Total Calcium (CaO)	≥0,20 %
Algae solution (100 % from unicellular fresh water algae extract)	25,00 %

### PHYSICAL PROPERTIES

State:	Liquid
Colour:	Brown
Density:	1,00 ± 0,01 kg/l
pH:	4,50 ± 1,00

### GENERAL USAGE AND DOSAGE RECOMMENDATIONS

Application Rates-Foliar:

Drip irrigation: 2-4L/ha

Max 5 litre per hectare and apply to the plant root, recommended by drip irrigation.

Saline/Sodic soils: it is recommended to apply between 5-10L/ha

Caution:

**Ferticell-Universal-Soil** should not be mixed with antibiotics or alkaline material.

Seeds mixed with product should avoid direct sunshine, and should be sown on the same day.

**Ferticell-Universal-Soil** should be stored in a cool, dry place.

- Use under technical advice.

### General Symptoms:

Effect of **Ferticell Universal Salinity** on Yield Increase

The results of **Ferticell Universal Salinity** on several crops extend cycles. These crops include: wheat, corn, peanuts, soybeans, sweet potatoes, tomatoes, watermelon, cabbage, green peppers, cucumbers, beans, grapes, apples, and peaches. Results show the average yield increased 10% on grain crops, 10-25% on economy fruit crops, and 20-30% on vegetable crops. The yield increase effect and economic benefits are significant.

### Uses



Fertigation

### Available containers



10L  
20L  
300L  
600L  
1000L

### ATTESTATIONS:



Product usable in Organic Agriculture according to EC Regulation No. 2018/848 and 2021/1165  
Product that complies with NOP (National Organic Program - USDA).  
**Control Ecocert F - 32600**

**Agroplasma SL**  
**Polígono Industrial Santa Teresa**  
**Calle Torre del Mar N°56**  
**29004 Malaga, Spain**