



### Descriptions - Specifications

**Ferticell Universal Salinity** is an organic 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.

#### 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.

### Available Containers Uses



2.5 Gal  
170 Gal  
275 Gal

Foliar  
Fertigation

### Certifications



Raw materials of organic origin: Class A. "Heavy metal content lower than the authorized limits for this classification"

Product compliant with NOP (National Organic Program - USDA)

Agroplasma, Inc., dba Ferticell  
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### GUARANTEED ANALYSIS

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

### PHYSICAL PROPERTIES

State:	Liquid
Color:	Brown
Density:	Weight per gallon: 8.34 lbs./gallon @ 68°F
pH:	4.50 ± 1.00

### GENERAL USAGE AND DOSAGE RECOMMENDATIONS

Crop	Foliar dose	Fertigation dose
Fruit trees (Citrus fruits, Apples, Pears, Blueberries, Almonds, Cherries, Peaches, Avocado, Mango, Banana, etc)	-Maintenance: 2-4 l/ha or 200-400 cc/100 l application	-Strong deficiency: Up to 4 applications Minimum of 2 applications
Horticultural crops: (Tomato, Potato, Cucumber, Melon Courgette, Cauliflower, Onion, Carrot, Pepper, etc)	Maintenance: 2-5 l/ha or 200-500 cc/100 l application	-Strong deficiency: Up to 4 applications Minimum of 2 applications
Extensive crops: (Cereals, Alfalfa, Cotton, Beetroot, Corn, Sunflower, etc)	-Maintenance: 2-3 l/ha or 200-300 cc/100 l application	-Strong deficiency: Up to 4 applications Minimum of 2 applications

• The specified dosages are general recommendations. The amounts depend on the crop, phenological state, level of deficiency and soil type. • The physical and appearance characteristics of the product may be altered due to the ecological nature of the product. • Use under technical advice.

**Important notes:** 1. Shake the container vigorously before use. **If stored, shake immediately before use.** 2. Keep product at **room temperature**, in a cool and dry place. 3. Ferticell-Universal-Salinity 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.





### 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.

### 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.

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  
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