

## TECHNICAL DATA SHEET SALTOUT (LIGNOSULPHONATE BASED SALINITY REMOVER)

**DESCRIPTION:** SALTOUT is a modified organic acid derived from Lignin, a natural salinity remover and pH regulator.

### **TECHNICAL SPECIFICATIONS:**

Physical Form: Liquid Fertilizer  
Product Colour: Brown  
Product Odour: Slightly Woody  
Shelf Life: 4 years  
Origin: TURKEY  
Producer: SAMİ KÜÇÜKKOCA TARIM TİCARET

### **COMPOSITION (w/w):**

Calcium Oxide (CaO) ..... 1.0%  
Organic Metarial ..... 50.0%  
Humic + Fulvic Acid ..... 30.0%  
Organic Carbon.. ..... 30.0%  
ph (10% Sol.): 2 - 4

### **ADVANTAGES AND PROPERTIES :**

SALTOUT is Anti-Salinity liquid fertilizer containing lignosulphonate chelated calcium. It is a compound that works to separate and remove sodium salts from the soil. Removing negative osmotic pressure and increasing plant growth as it has chelated to calcium and raise the cationic exchange capacity of soil granules, thus helping to replace calcium in place of sodium adsorbed on soil granules, thus facilitating the expulsion of sodium from the soil complex, making it easier to wash.

- \* Acidifies irrigation water to help maintain soil pH, reduce alkalinity and improve water penetration into the soil.
- \* Dissolves bicarbonates normally present in irrigation water, freeing calcium to help build good soil structure and prevent soil from crusting.
- \* Reduces the incidence of localized dry spots and improves water percolation to maintain uniform soil moisture, especially under irrigation (reduces need for wetting agents).
- \* Improves fertilizer efficiency by solubilizing nutrients tied up in alkaline soils.
- \* Increases water use efficiency (reduction of water use) by improving water quality and soil penetration.
- \* Improves efficiency of alkaline sensitive pesticides. Reduces soil sodium by increasing sodium solubility.
- \* SALTOUT is a non-phytotoxic foliar and soil applicable Calcium Fertilizer.

SALTOUT supplies Calcium and organic matter demand of plants. SALTOUT improves quality and productivity. Solve plant's basic Macronutrient problems. SALTOUT is generally compatible with most chemicals used in crop protection. It may be incorporated into existing spray programs. Add macronutrient to water before adding other ingredients. It is always advisable to test for compatibility on a small scale before full scale mixing.

### **DIRECTIONS FOR USE :**

This product should be applied by all irrigation systems; including drip, sprink SALTOUT do not make Clogging and precipitation. Could be applied with both pesticides and fertilizers. Could be Applied both from the soil and by foliar ways with the help of Irrigation Systems and Foliar Sprayers. Water Tanks initially should be half filled with water then at the suggested dosages SALTOUT should Be added to the tank. If any pesticide spray program will be applied; then lastly put the pesticide to the tank and all of the ingredients should be carefully mixed before application.

<b>PLANT TYPE (FOLIAR APPLICATION) FIELD CROPS:</b>	<b>APPLICATION TIME</b>	<b>APPLICATION RATES</b>	<b>APPLICATION NUMBER</b>
<b>Cotton,Potatoes,Corn,Tobacco, Sugar Beet,Sunflower, Peanuts....</b>	<b>After the 6 – 8 th. Trifoliate stage.</b>	<b>2 – 3 LT/Hectare</b>	<b>2 - 3</b>
<b>VEGETABLE CROPS : Beans,Tomatoes,Pepper,Cucumber, Eggplant,Pumkins,Strawberries, Melon,Water Melon,Onions,Brocoli, Carrots,Lettuce,Spinach.....</b>	<b>Mid Terms of the Plant’s Growing Period</b>	<b>3 – 4 LT/Hectare</b>	<b>2 - 3</b>
<b>FRUITS : Citrus,Apple,Peach,Plum,Grapes, Cherry,Pecan,Pears,Almond,Olive... CEREAL GRAINS : Wheat,Barley,Sorghum....</b>	<b>Just before and after bloom stage</b>	<b>30 – 40 ml/Tree  2 – 3 LT/Hectare</b>	<b>2</b>
<b>SOIL APPLICATION</b>	<b>By drip irrigation; 15 days after sowing at 15 days time intervals</b>	<b>4 – 6 LT /Hectare</b>	<b>2</b>

**PACKING : 0.5 - 1 - 5 - 10 - 25 LT.**

**APPROPRIATE WAREHOUSE CONDITIONS**: Try to keep the product between + 5, - 25 C in its original packaging far from the human, animal and food. Be aware of direct sunlight.

**USAGE SECURITY REGULATIONS** : This product is not toxic. After usage wash your hands and face with water and soap.