



# SOILEX

## TREATMENT FOR SALINE/SODIC SOILS

Suitable for soil fertigation application

Group 2 Fertilizer Reg No. 3798 Act 36 of 1947

Batch number zzzzz 20 liters nett

Carboxylic acids 63 g/l  
Organic compounds 64 g/l

### GENERAL INFORMATION:

Saline soils have a very high soluble mineral content and EC ( electrical conductivity ). Thus, the soil solution has a high osmotic pressure and the plant has to work hard to absorb water. The energy wasted leads to slower growth and lower yield.

Sodic soils have a high Sodium ( Na) content. The sodium ions react with the clay in the soil causing the soil to lose its structure and deflocculate, thus preventing water from permeating into the soil to reach the roots.

Soils can be characterized as follows:

Soil type	% of sodium in the exchange complex ESP	Electrical conductivity (mS/cm)	pH	Sodium Absorption Ratio ( SAR)
Saline	Less than 15% Na	More than 4	< 8.5	<13
Sodic	More than 15% Na	Less than 4	> 8.5	>13
Saline/Sodic	More than 15% Na	More than 4	>8.0	>13

## APPLICATION RECOMMENDATIONS:

SOILEX is recommended for saline soils, in sodic soils, crusting soils and chemically compacted soils.

DOSAGE liters/Ha						
	SALINE SOILS			SODIC SOILS		
	Soil texture			Soil texture		
	Sandy	Loam	Clay	Sandy	Loam	Clay
Localized	10-15	15-20	20-25	15-20	20-30	30-40
Total	15-20	20-25	25-30	20-30	30-40	40-50

## DIRECTIONS FOR USE:

**SOILEX** can be applied by gravity or pressurized irrigation (drip, micro or sprinklers) or with other equipment.

Soil analysis prior to application of Soilex is advised. Success in the recovery of these soils depends on the subsequent nutrient applications, improved irrigation management and the efficiency of the drainage system.

## SAFETY INSTRUCTIONS:

**HANDLING:** Use the recommended safety equipment (overalls, safety glasses, and mask). Do not eat or smoke during the applications.

**WARNING:** Avoid contact with eyes and skin.

**FIRST AID:** Product may cause skin and eye irritation. If swallowed, provoke vomiting, introducing one finger in the throat. Consult a physician.

**ENVIRONMENTAL PROTECTION MEASUREMENTS:** Dispose of all waste in accordance with applicable government regulations. Do not pollute water bodies, especially those with fish or where the water is used for animal or human consumption.

**STORAGE:** Do not store or ship with food, clothes or fodder. Store in a cool, dry place.

**WARRANTY:** Since weather, crops, soil, and other conditions may vary, the seller makes no warranty of any kind, express or implied, concerning this product. The user assumes all risk of use and handling whether or not in accordance with directions or suggestions.

**Manufactured in Mexico by Cosmocel SA and distributed in South Africa**

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**Cosmocel SA has ISO 9002:2000 certification.**