

# REDUSAL

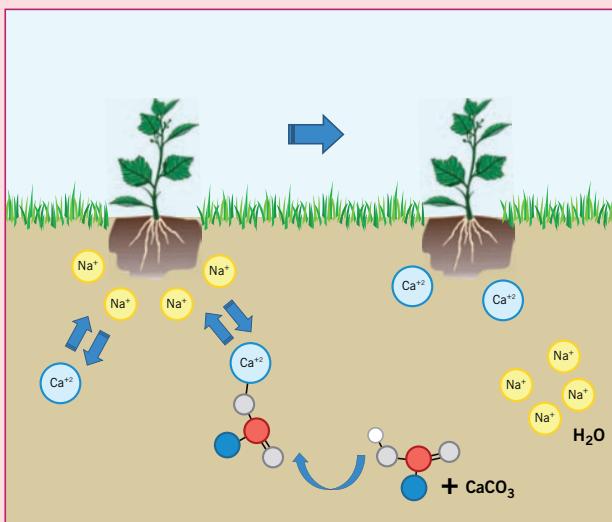
Corrector of sodic, saline and destructured soils

## PURPOSE OF USE

- \_ Allows cultivation also in soils and with waters high in Sodium.
- \_ Reduces phytotoxicity due to high Sodium content.
- \_ Increases soil acidity improving the availability and absorption of PHOSPHOROUS and MICRO-NUTRIENTS.
- \_ Has a long-lasting action.

## MODE OF ACTION

- \_ **Supplies high amounts of Calcium and Magnesium** to replace Sodium retained on the soil clay colloids so that it can then be leached away from the area of root development.
- \_ **Supplies gluconic acid and poly-hydroxycarbossilic acids** capable of attacking carbonates and releasing Calcium with a continuous and persistent action. The increasingly available Calcium replaces Sodium which then moves into solution and can be leached away.





## **GENERAL CHARACTERISTICS**

**REDUSAL** is a formulation based on organic acids of low molecular weight (gluconic acid and poly-hydroxycarbossilic acids), Calcium and Magnesium.

**REDUSAL**, by supplying readily available Calcium and by releasing the one already in the soil, reduces the problems related to excess of salts, Sodium in particular, thus allowing the utilization of waters and soils, otherwise to be considered as marginal, even for the cultivation of those crops that are especially sensitive to high contents of Sodium in the soil and water (strawberry, pepper, pot plants, etc.).

**REDUSAL**, thanks to Calcium that replaces Sodium on the soil exchange complex, improves soil structure and aeration and ensures an adequate Calcium-Magnesium balance, fundamental for optimal crop development.

Gluconic acid and poly-hydroxycarbossilic acids also play a biostimulant role both on the crop and on soil microorganisms and have a buffering effect on exceeding salts (Sodium) in the soil circulating solution.

Due to the above features, **REDUSAL** is essential for soils with high Sodium content, but is equally important for all types of soil because it improves soil structure and aeration and allows to achieve high yields and high quality productions.

## **METHODS OF APPLICATION AND DOSAGES**

Method of application	Physical aspect	Dosage
<b>Fertigation</b>	Sandy	10-20 L/ha
<b>Fertigation</b>	Medium loam or clay	20-40 L/ha

Number of applications depends on length of crop growth cycle and soil type; for example in sandy soils applications must be frequent and with minimum dosage, while in more compacted soils (silty/clay) dosages must be higher and number of applications reduced. The use of **REDUSAL** however is fundamental during the critical phenological phases of rooting, post-transplanting, vegetative development, flowering and fruit setting.

## **ANALYSIS**

Calcium oxide (CaO) water soluble . . . . . 9%  
 Magnesium oxide (MgO) water soluble . . . . . 1,2%  
 Organic acids (poly-hydroxycarbossilic acids) of low molecular weight . . . . . 35%

## **TECHNICAL PARAMETERS**

pH of the product as it is: . . . . . 1,5  
 Density at 20 °C: . . . . . 1.378 kg/L

**PACKAGING: 25-200 L**

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