



PLANT BIOSTIMULANTS



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# RETROSAL

**Keep your crop safe  
from salt stress**



# Salinity stress

Salinity stress is one of the major limiting factor for crop productivity and it is estimated that, by 2050, 50% of the world's arable land will be affected by salinity.

## Soil salinization causes

Soil salinization is emphasized by **climate change**, infiltration of salts in the ground of soil near the sea, increasing use of **low-quality water** in irrigation, and by an **excess input of fertilizers**.

## Salt stress effect on yield

Soil **salinity is associated** with poor soil structure, low soil water retention capacity and excessive soil accumulation of Sodium, Chloride and Carbonates. All these aspects provoke both **osmotic** and **toxicity stresses** to plants which are usually characterized by **impaired root system**, **low photosynthetic activity** and **low nutrients uptake**.



## Choose Retrosal

The physiological effect on plant



Promoted yield under high salinity stress conditions



Restored soil chemical characteristics under high salinity conditions

### Benefits

- Increased plant biomass production under high salinity soil conditions
- Enhanced soil structure under high salt stress (Na<sup>+</sup> displacement)
- Guaranteed Nitrate plant detoxification
- Improved nutrient availability under salinity stress
- Increased soil particles flocculation avoiding the Na dispersant effect



## Retrosal: enhances the quality and quantity of production under salinity stress condition

Retrosal works to help plants remain vigorous and to promote high yield levels, even under high salinity stress conditions. Moreover Retrosal is enriched with Calcium and specific active ingredients, useful for Sodium displacement and the restoration of the optimal physical and chemical soil parameters.



**GEAPOWER** is the exclusive technology platform developed by Valagro in order to turn potential active ingredients into high quality nutrient solutions.

## Directions for use

APPLICATION METHOD	CROP	TYPE OF SOIL	DOSE
Fertigation	All crops	clay soils	20-25 L/ha
	All crops	sandy soils	10-15 L/ha