Enabling agriculture in degraded and saline soils

Plant nutrition technology for challenging enviroments

17 Minerals

The problem

Large areas of agricultural land worldwide are affected by soil degradation, salinity, compaction and low organic matter. Under these conditions, conventional fertilization is inefficient, economically unviable and environmentally harmful, leaving millions of hectares underutilized.

Our Technology

17 Minerals is a proprietary plant nutrition technology based on an innovative organic molecule that neutralizes ionic forces, keeping essential and beneficial nutrients permanently bioavailable.

The solution: 17Minerals platform

17 Minerals delivers a portfolio of plant nutrition and soil regeneration solutions powered by our proprietary and patented plant nutrition technology.
Our solutions improve nutrient availability, soil functionality and crop response, enabling productive and economically viable agriculture in degraded, saline and non-productive soils, independent of soil conditions.
The platform includes soil regenerators, nutrient formulations and microelements validated through real field trials.

Proven results

Validated through more than 30 field trials conducted by 3rd parties under challenging conditions:

- **+81% y**ield increase in sunflower on highly saline, non-arable soil (22 dS/m)
- Up to +**25.6%** yield increase in wheat on saline soils (6 dS/m)
- **+51%** yield increase in beans combining soil regeneration and plant nutrition
- **+14%** yield increase in vineyards on poor soils
- Proven salinity removal and visible soil recovery

Key milestones

- Proprietary technology patented, with patents granted in more than 10 countries
- Strategic agreements with leading agricultural distributors
- More than 100 hectares regenerated, enabling agriculture where production was previously not viable
- Successful commercial deployment across multiple crops and regions

Why it matters

- Enables agriculture in previously non-productive land
- Restores degraded and saline soils
- Improves nutrient efficiency and productivity
- Delivers a strong and sustainable economic equation
- Reduces environmental impact and carbon footprint

Markets


Saline soils


Degraded lands


Marginal agriculture


Climate-challenged regions


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