

# IT'S THE SOIL

## HIGH-QUALITY GYPSUM

Maximize your agricultural potential with high-quality gypsum from Superior Soil Supplements. Sourced from high grade Nevada mines, our gypsum acts as a powerful soil conditioner that improves water penetration and helps break up compacted soil.

Whether you are managing conventional or organic farming operations, this essential amendment provides the calcium and sulfur necessary to balance your soil chemistry and promote healthier, more productive crops.

## SOIL AMENDMENTS & FERTILIZER

- Gypsum
- Limestone
- Dolomite
- Sulfur
- Compost
- Zeolite
- Custom Blends
- NPK Amendments
- Sulfate of Potash
- Solution Applicators
- Silos & Silo Repairs
- Soil & Water Testing



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# GYPSUM



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Calcium Sulfate Anhydrite  
Calcium Sulfate Dihydrate



## REDUCING SALTS THROUGH A TWO STEP PROCESS

Leaching with rain water or irrigation is key to removing salt. Reducing salts with sulfuric acid is possible, but it requires two reactions for it to happen, see reaction steps below.

When gypsum is applied to the soil, a chemical reaction breaks the calcium sulfate molecule into calcium and sulfate.

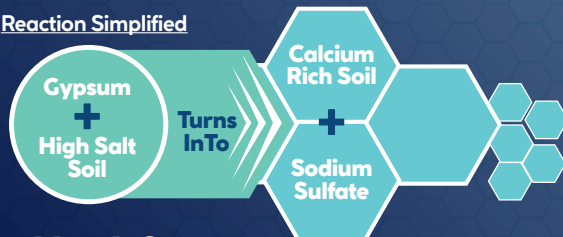
The calcium is then available to be taken up by the plant where it is key to the development of strong new growth.

The sulfate molecule will attach to a molecule of sodium, and with subsequent rainfalls and/or irrigation, leaching this unwanted sodium down through the soil below the root zone.

### REDUCING EXCESS SALT (ALKALI) FROM YOUR SOIL WITH GYPSUM

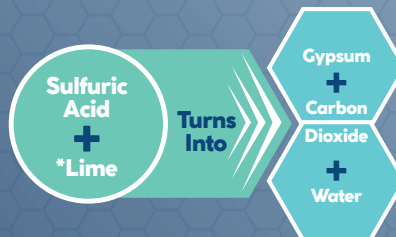
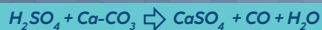


Reaction Simplified



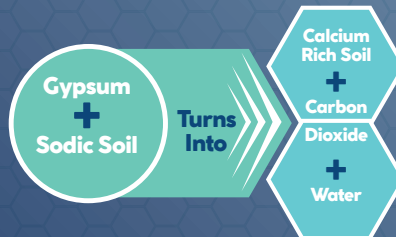
pH - 6.8

### REACTION 1



\*Free Lime must be present in the soil

### REACTION 2



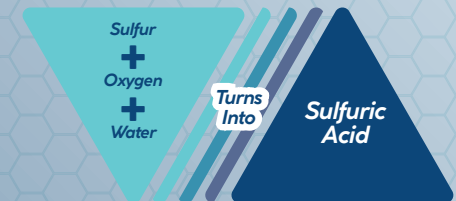
pH - 6.8

Salt is leached below the root

## REDUCING SALTS THROUGH A TWO STEP PROCESS

Leaching with rain water or irrigation is key to removing salt. Reducing salts with sulfuric acid is possible, but it requires two reactions for it to happen, see reaction steps below.

### REACTION 1



### REACTION 2 & 3

Leaching with rain water or irrigation is key to removing salt. Reducing salts with sulfuric acid is possible, but it requires two reactions for it to happen. See reaction steps below.

