



**SQM**

# ***Highly efficient*** *Natural fertilizer*



***allganic***<sup>®</sup>  
NATURAL SOIL AMENDMENTS AND FERTILIZERS  
*Nitrogen Plus*



Allganic<sup>®</sup> Nitrogen Plus is natural sodium nitrate from Chile, containing 15% nitrate-nitrogen and 2% potassium. Applying Allganic<sup>®</sup> Nitrogen Plus as a supplement to your crop rotations and manure applications is an effective way to synchronize available soil nitrogen with your crop's nitrogen demand-increasing your nitrogen use efficiency. Allganic<sup>®</sup> Nitrogen Plus is completely water-soluble and its nitrate form of nitrogen is immediately available for plant uptake. It can be applied at different times during the growing season to supply crops with nitrogen precisely when needed.



# Natural nitrate for organic farming

## Nitrate nitrogen.

### The most efficient nitrogen source

#### Nitrate:

Nitrate is the preferred nitrogen source.

#### Non-volatile

Unlike ammonium, nitrate is non-volatile and does not require soil incorporation when applied by top or side dressing.

#### Readily available

Direct uptake by the plant, highest efficiency.

#### Nitrate promotes the uptake of valuable cations

Whereas ammonium competes for the uptake of K, Ca and Mg.

#### Nitrate can be readily absorbed by the plant

Urea and ammonium N must first undergo chemical conversions in the soil before becoming available to plants.

#### No acidification of the soil

Ammonium must go through nitrification to become available, a process which increases soil acidity.

#### Nitrate limits the uptake of chloride

Ammonium can lead to increased chloride uptake.

#### The conversion of nitrate to amino acids occurs in the leaf

Ammonium has to be converted into organic N compounds in the roots, stealing carbohydrates from processes that promote plant growth and fruit fill.



#### Guaranteed Analysis

Total Nitrogen (N).....15%  
15% Nitrate Nitrogen

Soluble Potash ( $K_2O$ ).....2%

Sulfur (S).....1%  
1% Combined Sulfur (S)

DERIVED FROM SODIUM NITRATE AND POTASSIUM SULFATE.



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