

# CARMELO

## AGRICULTURAL LIMESTONE / CALCIUM CARBONATE

(Cal Agrícola)

High-quality Agricultural Limestone



**Product Description:** AGRICULTURAL LIMESTONE (Calcium Carbonate) is a manufactured sand, which is obtained from the extraction, crushing and screening of high purity limestone minerals. This clean and pure product contains particles in the necessary sizes for efficient agricultural use. Agricultural Lime is applied to soil to increase its pH and decrease its acidity.

**Advantages:** This product is an effective alternative to help reach acid soils, neutralize the toxicity of soluble aluminum, clean the soil, and nourish it with calcium. To obtain maximum results and increase the soil's productivity, agricultural lime is presented with graded granulometry, so that it gradually releases calcium ions.

### Usage and Application:

The product provides Calcium (Ca), Magnesium (Mg) and other mineral nutrients, allowing a better microbiological activity and for plants to assimilate all the nutrients applied to the soil (Nitrogen, Phosphorus, Potassium, among others). The Agricultural Lime also neutralizes the toxic and acidifying effects of minerals like iron and aluminum and improves the effectiveness of certain herbicides. It also corrects the soil's pH and increases the soil's fertility.

**Storage:** Store in a dry place with cool temperatures, making sure that the space is well ventilated, and the product is protected against water or other external agents.

### Technical Data:

- **Chemical formula:**  $\text{CaCO}_3$
- **Grade:** Agricultural lime
- **Odor:** Alkaline-earthy
- **Color:** White, bone white or gray
- **pH Hydrated:** 11.5

### Granulometry:

- **Largest particle size:** 2.0 mm
- **Particle percentage:** less than 0.15mm -40% (typical)

As a rule, it is recommended to apply 1.5 tons of Agricultural Lime for each 1 milli equivalent of exchangeable aluminum found in the soil analysis. The calcium to magnesium ratio is less than 2. It is desirable that the use of this soil improver is carried out under the supervision of a professional and based on the physical chemical analysis of the soil.

**Environmental Considerations:** The product is environmentally friendly, since neither the actual product nor its products of degradation are toxic when released into the environment. At the same time, the product also helps boost soil pH.

**Health & Safety Precautions:** Consult a specialist BEFORE handling this product. Always use goggles, dust respirator (approved/certified respirator or equivalent), and gloves when using this product. Avoid direct contact with skin and eyes. If this product does come in contact with the eyes, immediately check for and remove any contact lenses and flush with warm water for at least 15 minutes. If needed, consult a physician. If inhaled, remove yourself to an area with clean air. If the person is not breathing, provide emergency artificial respiration. If breathing is difficult, provide oxygen. Loosen tight clothing such as a collar, tie, belt, or waistband. If these symptoms appear, get medical assistance.

# AGRICULTURAL LIMESTONE / CALCIUM CARBONATE

(Cal Agricola)

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## Technical Data:

Product Details		
Physical State:	Size + Packaging:	Colors:
Powder	47 lbs. (21.3KG)  Bulk orders of 1000 lbs. bags or 2000 lbs. bags are delivered either by truck or pick-up.	White

Typical Chemical Analysis -Dry Weight Basis ( %)*:
Calcium Carbonate, $\text{CaCO}_3$ - 98.22% Magnesium Carbonate, $\text{MgCO}_3$ - 0.40% Calcium Oxide, $\text{CaO}$ - 54.95%
*Chemical Analysis by Wyoming Analytical Laboratories