

MAGNESIUM SILICATE

TECHNICAL DATA SHEET

Magnesium Silicate agricultural grade for direct soil application

Mineral Source	Serpentine rock
Use	Inorganic soil conditioner
Elements	Magnesium (MgO) – Silicon (Si)
Physical State	Powder and Granulated
Color	Gray
Alkalinity	Positive
Maximum moisture	5%
ICA Registration	Compliant

GUARANTEED COMPOSITION

Silicon (SiO ₂)	42%
Magnesium soluble in acid (MgO)	37%

PRODUCT DESCRIPTION

- Main source of Magnesium and Silicon.
- Due to its chemical composition, when applied to the soil, the product begins to release Magnesium in an assimilable form as Mg²⁺, and Silicon as monosilicic acid (H₄SiO₄).
- Monosilicic acid is the form in which Silicon can improve soil conditions, especially phosphorus fixation, both in low and high pH soils. It is also the form in which the plant absorbs Silicon and deposits it throughout the plant structure.
- The application dose varies between 100 and 300 kg/ha.
- In soils with pH ≤ 5.5, the application of MAGNESIUM SILICATE should be complemented with Phosphate Rock, agricultural gypsum, and Dolomitic Lime. In this case, a dose of 200–500 kg/ha/year should be used; applied pre-planting and incorporated into the soil.
- Available in 50 kg bags.