

# B-Organic Natural Gypsum

**Affordable. Natural.**

B-Organic Natural Gypsum is pure gypsite. It contains >22% Calcium and >17.5% Sulfur and has only very low levels of heavy metals.

B-Organic Natural Gypsum can benefit soils in the following ways:

- ▶ Improve soil structure.
- ▶ Provide Ca and S, essential for plant growth.
- ▶ Ameliorate sodic, hardsetting & surface crusting soils.
- ▶ Improve water infiltration and soil pore stability.

## Gypsum for Sodic and Unstable Soils

Gypsum is used to improve the structure of sodic, hardsetting and surface crusting soils. The high levels of Sodium (Na) in these soils cause the clay particles to disperse, thereby degrading the soil structure, causing soil instability.

Soils with dispersive clays can be ameliorated by adding gypsum to flocculate (stabilise) the clay particles.

- ▶ Calcium from gypsum replaces Sodium on clay particles, stabilising soil structure.
- ▶ Clay particles flocculate and remain flocculated when wet.
- ▶ Flocculated clays allow more water to infiltrate the soil profile, reducing runoff and erosion.

## Gypsum Responsive Soils

- ▶ Soils that are hard when dry or have a surface crust.
- ▶ Soils which seal after rainfall and have a low water infiltration and high run-off.
- ▶ Soils that are difficult to cultivate because they are too hard or too wet.
- ▶ Soils that produce patchy crop emergence and patchy early growth, particularly in poor seasons.
- ▶ Soils that become sticky or non-trafficable after light rainfall.

## Application Guidelines

Gypsum can be spread directly onto soils or added to irrigation water. Application rates are as follows:

- ▶ 2.5t/ha for surface crusting soils.
- ▶ 10t/ha to improve soil structure throughout the soil profile.
- ▶ Applications are normally 0.8-1t/ML to supply 1t/ha.

We advise that you consult your agronomist, local DPI or BSES for application rates for your specific requirements.

## Analysis

<b>Purity</b>	> 95%
<b>Free Moisture</b>	approx. 10%
<b>Calcium (Ca)</b>	> 22%
<b>Sulphur (S)</b>	> 17.5%
<b>Cadmium</b>	< 1ppm
<b>Bulk Density</b>	1.34t / m <sup>3</sup>
<b>Particle Size</b>	0 - 4mm