



# NATURAL GYPSUM

## Gypsum ... How it works.

To understand how gypsum improves the structure of soil, it is necessary to consider the individual clay particles that help make up the soil; and the cations (calcium, magnesium and sodium) that are adsorbed on the surface of these clay particles.

In good surface structure, calcium is the dominant cation. The clay particles attract one another to form aggregates (crumbs or peds), between which air, moisture and crop roots can easily penetrate.

In poorly structured soils, relatively higher levels of sodium and/or magnesium are present. The individual clay particles have little attraction for one another, and following rain or irrigation, disperse and flow into the soil pores or cracks.

The end result is a dense, tightly packed soil which is not easily penetrated by moisture and crop roots, contains little air, and is difficult to cultivate. The surface structure of these soils can be improved if the sodium is replaced with calcium.

Gypsum (calcium sulfate) is the most suitable source of calcium available for this purpose.

### **NATURAL GYPSUM**

- \* a natural mined product
- \* 2-7% moisture
- \* <1ppm Cadmium
- \* will flow through spreaders
- \* Screened to <3mm
- \* Not radio-active

### **PHOSPHO-GYPSUM**

- \* a chemical by-product
- \* 20-40% moisture
- \* 15ppm Cadmium
- \* will not flow through spreaders
- \* contains lumps.
- \* *Radio-active*

Queensland Organics **NATURAL GYPSUM** is a premium Grade I gypsum.