



PRODUCT DATA SHEET

AUSIMIN AGRICULTURAL GYPSUM

Ausimin Agricultural Gypsum is a white, high purity, finely ground natural gypsum which is used to improve soil in turf grass and agricultural applications. At certain concentration levels, this agricultural gypsum may be dissolved in water and delivered through an existing irrigation system to condition calcium deficient soils.

Typical Chemical Analysis

Calcium Sulphate Dihydrate	97%
Calcium	22%
Sulphur	18%

Typical Physical Properties

Appearance	White powder
Specific Gravity	2.32
Bulk density	69lb/cu ft
pH	7.5

Typical Particle Size Distribution

Particles passing ASTM Sieves	
325 mesh	min. 90%

Benefits

Distributing Ausimin Agricultural Gypsum through an irrigation system quickly and efficiently supplies the calcium needed to maintain the soil. The amount applied depends on the chemical analysis of the water & soil being treated. When calcium sulphate enters the soil matrix it acts to improve calcium availability for ion exchange with sodium and aluminium. Some of the benefits of this fine grade calcium sulphate for turf grass are:

- **Improved Soil Structure** – Ausimin Agricultural Gypsum provides calcium which can flocculate clay soils and improve the penetration of water, air and roots in the soil.
- **Increase Water Infiltration** – As the soil structure improves, water infiltration rate and hydraulic conductivity of the soil increases.
- **Crust Prevention** – Using Ausimin Agricultural gypsum to increase the electrolyte concentration of the irrigation water can prevent the formation of deposit crusts on the soil surface which would have affected water infiltration rates and seed emergence & germination.
- **Better Moisture retention** – Ausimin Agricultural Gypsum helps the soil absorb and retain moisture, improving the soils water use efficiency which is critical in times of water shortages and drought.
- **Fertilization** – Ausimin Agricultural Gypsum supplies bio-available calcium and sulphur – elements vital to proper plant growth and development.
- **Enhanced Nutrient absorption** – The calcium supplied from gypsum is essential to biochemical mechanisms by which nutrients are absorbed. It regulates the balance of micronutrients in plants and optimizes the calcium to magnesium ratio in soils.
- **Environmentally safe** – Ausimin Agricultural Gypsum is inert and non-toxic.
- **Irrigation effect** – Controlling soil salinity with appropriate water management is important as soils with high sodium content do not perform as well as calcium rich soil. Many irrigation sources contain excess salt which in turn increases the salinity of soils.