

# Agricultural Gypsum



**Improve soil chemical and physical properties with natural  
organic amendment**



**Ever Bright Agricultural Gypsum Products** are an excellent source of calcium and sulfur that have a wide range of agronomic and environmental applications because of their favorable effect on both soil physical and chemical properties. Also the company products improve soil structure in heavy soils and stimulate microbe activity in soil and mushroom compost. Agricultural gypsum reduces nitrogen losses of manure. It ties up this nitrogen as ammonium sulfate, improves soil aeration, and enhances the microbial growth.



#### **What is agricultural gypsum?**

Agricultural gypsum ( $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ ) is a slightly soluble salt in aqueous solution. Normally, gypsum dissolves in water at approximately  $2.5 \text{ g L}^{-1}$ . It is an excellent source of readily available calcium and sulfate sulfur and is typically composed of 21 percent calcium (Ca) and 16 percent sulfur (S). As demonstrated in the scientific studies, gypsum has the potential to improve soil fertility in the surface and subsurface, mostly owed to high solubility and high Ca and S content.

### **GYPSUM BENEFITS TO SOIL**

- 🌱 **Aids seed germination**
- 🌱 **Improves water infiltration**
- 🌱 **Increases saturated soil hydraulic conductivity**
- 🌱 **Increases soil water retention especially in low suctions**
- 🌱 **Reduces nitrogen losses**
- 🌱 **Reclaims sodic soils**
- 🌱 **Improves compacted soils**
- 🌱 **Prevents crusting of soil**
- 🌱 **Increases water stable aggregates and reduces soil erosion**
- 🌱 **Improves water-use efficiency**
- 🌱 **Helps soil microorganisms to flourish**
- 🌱 **Increases soil nutrient retention**
- 🌱 **Stabilizes soil organic matter**
- 🌱 **It is a source of essential plant nutrients**



## More Properties of agriculture gypsum

- ✿ Gypsum don't have significant effect on soil pH but it is an excellent source of available calcium and sulfur
- ✿ Gypsum improves aggregate stability and reduce soil surface crusting
- ✿ Gypsum increases water infiltration and decreases surface runoff
- ✿ Gypsum increases water use efficiency by improving water infiltration thus increases drought tolerance
- ✿ Gypsum increases the sorption activity of  $\text{Ca}^{2+}$  and  $\text{SO}_4^{2-}$  by plants, and results in improvement of nitrogen (N) uptake.
- ✿ Gypsum can be applied easily and in any season
- ✿ Gypsum improves fruit quality and prevents some plant diseases.
- ✿ Gypsum can increase crop yields.
- ✿ Gypsum improves swelling clays

### Product Quality

Ever Bright agriculture gypsum products are vertically integrated in order to be in complete control of all materials and processes responsible for the production of our products. To be sure consistency is maintained, we continuously sample and analyze for purity, moisture, electrical conductivity and particle size distribution.

### Customer Service

We have had a long and successful tradition of service as a supplier of gypsum to a diversity of industries, attesting to both our desire and ability to meet the needs of our customers. Our processing and grinding facilities offer easy access to customers. For special requirements, whether it's custom grinding, blending or shipping schedules, we stand ready to serve.

**Packing available: 25 kg bag/ 1350 kg jumbo bag**



## Technical References

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