

GYPSOIL[®] ^HPLUS

GYPSOIL pLUS is used just like GYPSOIL[®] brand gypsum to supply calcium and sulfur with the added benefit of helping raise soil pH when needed.

Sulfur and calcium are often under-valued nutrients for crops. But both are vitally important and deficiencies of either can be detrimental to productivity. Calcium and sulfur are also important for maintaining or improving soil quality.

GYPSOIL pLUS is an outstanding and cost-effective source of sulfur and calcium.

Multi-layered **calcium** and **sulfur** for season-long crop nutrition. Plus pH control.

Sulfur

Researchers in Wisconsin, Ohio and other Midwestern states have reported sulfur deficiencies in recent years. In the past, adequate sulfur was supplied in the atmosphere but now it must be supplied as a fertilizer.

Sulfur is important for corn, alfalfa and a variety of other crops. In alfalfa fields, sulfur is removed at a rate of five to seven pounds per ton in typical growing conditions.* If deficiency is present, yellowing leaves or stunted plants may be seen. But sulfur deficiency is often difficult to spot and may look like pest damage or it can be misdiagnosed as a different nutrient deficiency. In legumes, sulfur is an important component in nitrogen fixing which allows the plant to make nitrogen when it needs it.

Calcium

Calcium is vital for root health and plant vigor. Adequate calcium nutrition in the plants can positively impact forage quality and overall plant health.

Calcium and sulfur are proficient tools for improving soil quality in many situations. Through a series of chemical reactions, sulfur binds with excess Mg in the soil to form soluble Epsom salt, which moves lower into the soil profile. This frees up space on the soil cation exchange sites for calcium. Calcium contributes to loosening soils by expanding soil pore spaces to increase water and air infiltration. More permeable soils allow water to move down through the soil profile and stored.

- Supplies cost-effective and readily available calcium and sulfur
- Improves forage quality
- Loosens soil and improve soil structure

Plus

- Adjusts pH for better crop productivity



GYPSOIL[®] pLUS

What is GYPSOIL pLUS?

GYPSOIL pLUS is a byproduct material derived from the flue gas desulfurization (FGD) process installed at various coal-fired electric generating facilities.

It is available as a bulk powder material with an off-white or light gray color and a moisture content that varies between 10% and 15%.

Application Guidelines

GYPSOIL pLUS is applied much like lime or GYPSOIL brand gypsum.



Rates:

Soil amendment: 1000#-4000#/acre dependent on soil Cation Exchange Capacity

Nutrient Source: 300 to 500 lbs. per acre depending upon the target nutrient and the crop.

When GYPSOIL pLUS is used as a soil additive or nutrient source it is recommended that the user consult local county agents and agricultural specialists prior to use.

Guaranteed Analysis:

Calcium24%

Sulfur13%

Derived From: Calcium Sulfate Dihydrate ($\text{CaSO}_4 \cdot 2 \text{H}_2\text{O}$)

Active Ingredient:

Calcium Sulfate Dihydrate ($\text{CaSO}_4 \cdot 2 \text{H}_2\text{O}$)17%

Calcium Sulfate Hemihydrate ($\text{CaSO}_3 \cdot 0.5 \text{H}_2\text{O}$)50%

Other Ingredients:

Calcium Hydroxide (Lime)33%

*Sulfur Deficiency in Alfalfa; Jim Camerato, Stephen Maloney, Shaun Casteel and Keith Johnson; Purdue University Department of Agronomy; Soil Fertility Update, May 3, 2012; URL: https://www.agry.purdue.edu/ext/soilfertility/05-03-12Sulfur_deficiency_alfalfa.pdf

Gypsoil.com

1-866-(GYPSOIL) 497-7645

GYPSOIL is a trade name of the GYPSOIL Division of Beneficial Reuse Management LLC.