Learn more by going to www.CalciumProducts.com and use the SuperCal SO4 Sulfur Calculator to compare the numbers for your farm.

SuperCal SO4

The Super Sulfate fertilizer and so much more.

CALCIUM PRODUCTS
INCORPORATED
800.255.8196
www.CalciumProducts.com

What Is It About Sulfur?

Sulfur is important for the production of amino acids, proteins, and vitamins. Sulfur is essential in the production of chlorophyll. Keeping good levels of sulfur in your soil ensures greater N uptake and nitrogen efficiency. Sulfur keeps sodium and magnesium levels in check, builds organic matter, and helps produces higher protein crops. Forages grown with adequate sulfur will have a higher protein content and lower nitrate content. Because of clean air laws and reduced sulfur content of fuels, sulfur that was freely available is now missing from the atmosphere. Application of **SuperCal SO4** increases available sulfur in the first year.

Why SO4 Is Simply … Better

"…available sulfur" is what it is all about. Elemental sulfur is totally unavailable to plants. The plant can not absorb elemental sulfur through the root system. However sulfur in the sulfate form $(SO)^{2-}_4$ CAN be absorbed through the root system which means it works. And **SuperCal SO4** will not acidify your soils, one of its many benefits.

Building Organic Matter

You can't build organic matter (OM) without sulfur. It takes 140 lbs of sulfur to build 1% organic matter But the trick is the sulfur has to be stored IN the SOIL. If the sulfur leaches out or volatilizes, it doesn't do your soil any good. When sulfur breaks down in anaerobic conditions it volatilizes off as hydrogen sulfide (a reason hog pits smell so bad). In no-till, OM does not breakdown quickly in the soil. OM has to decompose to release the sulfur stored in it. Since it takes longer to decompose in no-till, crops are more likely to show sulfur deficiency. Fertilizing with a sulfate source of sulfur close to planting can drastically decrease sulfur deficiency and increase yields.

The Experts Agree

In the publication, Evaluation of Corn Response to Sulfur Fertilization in Northeast Iowa, by John Sawyer, he writes that corn grain yield increase to S fertilization has been often and large. Across the two years and three studies, 82% of the sites had a statistically significant yield increase to applied S fertilizer.

Beyond Sulfur – The "More"

In addition to adding sulfur in the sulfate form, **SO4** will also improve your soils structure and quality. As told to us by a leading deep tillage manufacturer with a degree in agronomy, "Frankly, we can't weld and bend enough steel to loosen the soil as well as SO4 can." In addition, **SuperCal SO4** also:

- Supplies Calcium
- Prevents soil crusting
- Stimulates Nitrogen-fixing bacteria
- Reduces erosion and phosphorous loss
- Improves water penetration

Chemical Analysis

Calcium 21% | Sulfur 17% | Calcium Sulfate Dihydrate 92% | Moisture less than 1%
Binder (calcium lignin sulfonate) 2%

Typical Sieve Analysis Prior to Granulation

73% passing through 200 mesh | 85% passing through 100 mesh | 99% passing through 50 mesh

Finished Product Specification

Product	Sizing - Mesh	SGN	Density
SuperCal SO4	4 x 14	200-400	61 lbs./cu. ft.
SuperCal SO4M	4 x 30	140-60	60 lbs./cu. ft.

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