



GSR CALCIUM

CORRECT THE CAUSE RATHER THAN REACT TO THE SYMPTOM

POOR WATER PENETRATION

Water availability is the greatest threat to global food production. Available calcium creates pore space which allows increased water absorption and holding capacity.

SALINITY

Excess salts increase erosion and create dead spots in fields. They may also increase weed pressure. Salts from irrigation water and fertilizers may be remediated with available calcium.

COMPACTION

The depth of the aerobic zone directly influences your fertilizer usage, biological activity, and plant health. Compaction is often the #1 limiting factor in successful agricultural production.

ABOUT GSR DORMANT CALCIUM

Genesis Soil Rite Dormant Calcium (GSR) is a fast-acting available calcium that goes to work immediately on your soil. Compaction due to excess magnesium, potassium, sodium, and sulfates can be corrected with available calcium. However, most calcium products require a long breakdown period and biological activity to release the available calcium, two conditions which do not exist in unhealthy anaerobic soil.

GSR Dormant Calcium eliminates the wait, by providing your soil with available calcium. Packaged as a dry flowable powder GSR Calcium is well suited for all liquid applications. Upon application GSR Calcium begins a charge neutralization of excess salts. Once balanced, the soil flocculates promoting soil gas exchange. With proper structure the soil can now breathe, converting unhealthy anaerobic soil into healthy aerobic soil. Healthy soil that improves your nutrient availability, water holding capacity, and microbial activity.

SOIL
WORKS

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GSR CALCIUM - A BREATH OF FRESH AIR FOR YOUR SOIL

HOW GSR CALCIUM WORKS

All calcium products are not created equal. Limestone (CaCO_3), Gypsum (CaSO_4), Calcium Chloride (CaCl), and Calcium Nitrate (CaNO_3) are all “calcium” products in that they contain a measurable amount of calcium. However, each product reacts very differently in the soil. Most traditional calcium products are unable to control calcium availability resulting in the physical and biological conditions of the soil dictating each products efficacy.

GSR Calcium harnesses the electrical power of calcium through the polymorphic characteristics of calcium carbonate. Through a proprietary manufacturing process, we separate the available calcium from the unavailable calcium in limestone. Once separated we stabilize the available calcium for optimal release in the soil.

The dissolution of calcium carbonate in the soil is critical for soil flocculation and our products efficacy. Our stabilization process has been meticulously formulated to yield a fast-acting calcium product, which upon application, releases the “rite” calcium at the “rite” time promoting soil genesis.

Genesis Soil Rite Dormant Calcium is truly a one of a kind calcium product that gives your soil exactly what it desires, a “breath of fresh air”.

BENEFITS

- Decrease Soil Compaction
- Improve Water Penetration
- Reduce Erosion
- Improve Soil Structure
- Enhance Calcium Availability
- Deepen the Aerobic Zone
- Strengthen Biological Activity
- Accelerate Nutrient Cycling
- Boost Fertilizer Efficiency
- Reduce Excess Salinity
- Low Shipping Cost
- Easy to Apply
- Approved for Organic Production with Most Certifying Agencies

APPLICATION RATES

GSR Dormant Calcium is a dry flowable powder. GSR Calcium is designed to eliminate high dollar packaging and shipping costs. Simply, a high energy low volume product which works on a grams per acre rate. Why pay for baggage when you only need what works!

GENERAL SOIL APPLICATION RATES

90 - 454 grams GSR Dormant Calcium per acre

For optimum efficacy, GSR Dormant Calcium is formulated for DIRECT soil contact. GSR Dormant Calcium should NOT be tank mixed with pesticides and high salt fertilizers. Please consult the product label and the Soil Works staff for recommendations.

GSR CALCIUM TRIALS

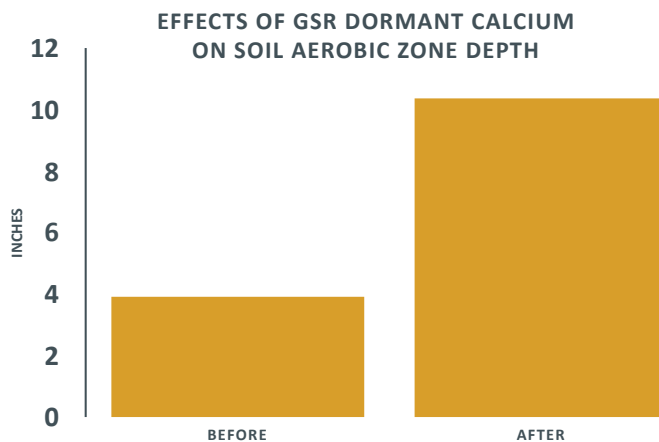


Figure 1: GSR Dormant Calcium was applied at the recommended application rate on 8 different trials in 2016. Aerobic zone depth was collected using a penetrometer measuring the aerobic zone to a depth of 300 psi. Data was collected before and after application of GSR Dormant Calcium. A total of 36 samples were collected. The before and after results are approximately 29 days apart.