

Black Gypsum DG[®]

✓ Fulvic Acid

✓ Humic Acid

✓ Humin

✓ Humic Acid Precursor

Black Gypsum DG granules are homogenous and combine natural gypsum and humic substances to form a unique bio-amendment. DG technology creates a dust-free, spherical, ultra-dry granule that rapidly disperses into thousands of microparticles upon contact with moisture. These microparticles deliver calcium, sulfur, and carbon directly into the soil. The DG technology allows for reduced application rates, as compared to other agricultural-grade gypsum products, which makes this a very economical soil amendment.



GUARANTEED ANALYSIS

Calcium Sulfate Dihydrate (CaSO ₄ • 2H ₂ O).....	70.0%
Calcium (Ca)	17.0%
Sulfur (S)	13.0%
13.0%...Combined Sulfur	

Plant nutrients derived from calcium sulfate and mined gypsum

NON-PLANT FOOD INGREDIENTS

10% humic acid derived from leonardite

PHYSICAL PROPERTIES

Density.....59.2 lbs/ft³

APPLICATION

Application	Rate per acre
Row crops, specialty crops, horticulture crops	150-300 lbs.*
Soil Detoxification	600-800 lbs.

Supplies 15-30 pounds of humic acid per acre

PRODUCT USAGE INFORMATION

✓ Broadcast

✓ Air Drill/Strip Till

✓ In-Furrow

✓ 2x2



FEATURES & BENEFITS

- Contains 70.0% calcium sulfate dihydrate (CaSO₄•2H₂O)
 - » Water soluble
 - » Increases calcium and sulfur without changing soil pH
- 10% humic acid from oxidized lignite (leonardite)
- Improves root development, plant nutrient uptake, and phosphorus stability
- Provides secondary nutrients (calcium and sulfur)
- Enhances soil health by stimulating soil microbial populations and relieving compaction and salinity
- Blends with fertilizer or can be used alone

FREQUENTLY ASKED QUESTIONS

Q: What advantages do Black Gypsum DG granules have over other types of standard gypsum?

A: Our gypsum source is calcium sulfate dihydrate (CaSO₄•2H₂O), which, with two extra water molecules, is more water soluble than the anhydrite form (CaSO₄). These extra molecules make calcium and sulfur more readily available to the plant as soon as Black Gypsum DG granules enter the soil solution. While a plant receiving the anhydrite form of calcium would be forced to wait days or weeks to take advantage of the applied nutrients, a plant receiving an application of Black Gypsum DG granules begins to utilize the nutrients in hours. Black Gypsum DG granules deliver 10% humic acid in every application. This humate is quick acting, and provides further chelation of applied and existing nutrients, increasing their availability to the plant.

Q: How does the application of carbon enhance soil health?

A: Humic substances contain carbon, which will provide soil microbes with a food source and habitat, allowing them to flourish. As a result, essential macro and micronutrients held in the soil will become more available, and additional fertility will be utilized more efficiently. Humic acids also have a high cation exchange capacity, which enhances the soil's ability to hold nutrients.