

BioCharge is the base of all the EarthWorks Foliars+ products and is what allows these products to provide a sustainable soil environment and improve turf playing conditions. BioCharge is a very diverse package of carbon and minerals designed to feed microbial populations and provide the plant with a host of needed nutrients which includes a proprietary complex of humic acids, over 25 amino acids, and more than 75 minerals. For more information go to [www.soilfirst.com](http://www.soilfirst.com)

## MagVantage

*Magnesium is the backbone of all plant photosynthesis*

1. Helps build chlorophyll development in the plant to improve color and vigor and overall plant and soil health.
2. Allows the plant to more efficiently photosynthesize when conditions are cold and wet, particularly effective during spring green up.
3. Provides available magnesium to the plant when levels in the soil are low or tied up with other elements.
4. Improved photosynthesis produces more carbohydrates that are sent down through the plant and into the soil, feeding microbial activity and improving the biological environment of the soil.
5. When the plant is photosynthesizing at optimum levels it is stronger and more capable of fighting off both insect and disease attack.

**MagVantage** is formulated with multiple forms of magnesium and powered by BioCharge, a rich carbon and minerals base. This combination allows the plant to bring in all the elements it needs to build the basic building blocks of chlorophyll very quickly and efficiently when needed most.

**MagVantage** can help strengthen any plant in any environment to recover more quickly while improving color and vigor. This formula, with its multiple carbon inputs, helps to more effectively move magnesium into the plant building plant strength.

**MagVantage** provides one of the most needed nutrients to the plant. Many soils, especially light sandy soils lack this essential element. Magnesium can also help to hold these sand-based soils together giving the plant a better opportunity to bring in needed nutrients. Foliar magnesium is very important in calcareous soils.

### MAGNESIUM COMPLEX

**Greens and Tees:** 5 oz. per 1000 sq. ft. every two weeks. Split applications to every week on light and sandy soils. Increase rates to 8-10 oz. per 1000 sq. ft. on sites with poor vigor and color or under times of limited sunlight and cold temperatures.

**Fairways:** 1 gallon per acre per month or as needed.

**Sports Fields:** 1.5 gallons per acre once per month or as needed.

**Ornamentals:** 4 oz per in 2 gallons, diluted 50:1, drenched into the soil around the root ball.

Available in a 2 x 2.5-gallon box and 55-gallon drums.



**EarthWorks**  
A Deeper Respect

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