



Products Information

Bison Soil Organic Biochar for Strawberries



Bison Soil Organic Biochar for Increased Yields and Reduced Disease

Increased production of fruits and suppression of plant disease are desirable characteristics for strawberries just as they would be for any crop.

In University studies, strawberries have been shown to respond positively biochar and Biochar addition to the potting medium of strawberry plants suppressed diseases caused by the three fungi, (*Botrytis cinerea*, *Colletotrichum acutatum* and *Podospaera apahanis*) which have very different infection strategies. This suggests that biochar stimulated a range of general defense pathways in the strawberry plants.

Description of Bison Soil Organic Biochar

Bison Soil Organic Biochar for the strawberry industry is sold by Bison Soil and optimized for superior performance to enhance plant growth by retaining nutrients and water; improving soil physical, chemical and biological properties; enhancing crop growth with less agronomic inputs; increasing beneficial microbial colonization; and suppressing fungal disease. This Bison Soil Organic Biochar is manufactured from clean wood biomass to maximize its ability to improve soils and fruit production.

Bison Soil Organic Biochar lasts for hundreds of years, so it stays in the soil providing benefits for strawberries for years and years. Bison Soil Organic Biochar is not only good for strawberries, but it is also good for the planet because it is a natural, USDA Certified Biobased soil amendment that is derived from plant biomass that would otherwise be a waste product in a landfill.

Application Rates for Bison Soil Organic Biochar

With its ability to improve soil, plant production and fruit yield, Bison Soil Organic Biochar is ideally suited for use in strawberry production. The rates below are based on University research and provide general guidance for the use of Bison Soil Organic Biochar. Studies have determined that 1-5% (w/w) have been effective in improving crop yields, combating disease and improving soil quality.

These are typical application rates, and rates for a given situation depend on the soil type and condition. We thus suggest that trials be conducted with your specific soil and strawberry plants to determine the best Bison Soil Organic Biochar concentrations.

Bison Soil Organic Biochar can be applied to rows, either when it is first planted or it can be worked into the soil around each plant. Adding 2-5% (w/w) requires approximately 17 to 45 cubic feet, respectively, of Bison Soil Organic Biochar applied in banded rows per acre. This is equivalent to 300 to 800 lbs of Bison Soil Organic Biochar.