

CarbonPRO START™ Particle Information Sheet

CarbonPRO™



CarbonPRO START contains the following properties and characteristics

Composition — What It Is

CarbonPRO™ START is a carbon based combination of minerals, humic organics, biochar and microbiological elements blended into a one step easy to use soil amendment, specifically formulated for specialty crops!

Description— Why Use It

CarbonPRO™ START is formulated for the unique needs of specialty crops grown indoors, outdoors and in greenhouses. CarbonPRO™ START speeds up the vegetative cycle and maturity time on flowers. Research found that using START shortens the flowering cycle up to 20%, resulting in an additional crop annually over plants grown without CarbonPRO™ START. CarbonPRO™ START increases the efficiency of both organic and inorganic fertilizers saving time and money on additional inputs. When incorporated in to soil, the mycorrhizal spores rapidly colonize plant roots allowing them to explore more area of soil to mine available nutrients. This expanded root system also increases soil porosity. Nutrients become readily available through the unique Carbon Link™ Technology that engages the work of the beneficial microbes to increase nutrient movement, which sparks strong and rapid root growth, vegetation and most importantly, improved crop quality and yields. Research indicates that the specialty plant gets kick started from the moment it touches the soil amended with CarbonPRO™ START and the plant continues to thrive throughout it's entire lifecycle. When introduced to the soil, this combination of microbes and fungal spores colonize in a symbiotic relationship with the plant roots feeding off the secretion of simple sugars from the root hypha while secreting byproducts beneficial to the plant.

Physical Characteristics

Toxicity	Non-Toxic Organic
Applied Color	Black
Particle Sizing (SGN) Regular: Mini:	SGN-280 SGN-150
PH	6.6
C:N Ratio	27:1

Physical Properties

Mineral	Chelated Organic Basalt
Organics	DOM (dissolved organic matter)
Carbon	Biochar (500 ^c)
Mycorrhizae	Endo/Ecto Blend
Microbial Loop	Nutrient Cycling Bacteria

CarbonPRO™ START Application Rate

Per Acre	500 lbs.
Per 1,000 Square Feet	10-12 lbs.
Per Cubic Yard Bulk Soil Mix	8-10 lbs.
Per Gallon Pot	0.43 Ounces

Application— Rate

Apply CarbonPRO™ START at a rate of 500 pounds per acre or 12 pounds per 1,000 square feet in topical applications. Apply at 8 pounds per cubic yard of bulk potting soil. These rates provides the necessary soil building compounds to help establish seed and sustain vegetative cover. CarbonPRO™ START is easily applied using a drill seeder, broadcast or drop spreader or simply by hand. Blend it into existing potting soils and planting beds at the recommended rates. Because it is 100% organic, it is not toxic to plants so may be applied at higher concentrations.



CarbonPRO™ START

Key Component — Mineral

CarbonPRO™ **START** contains soil minerals that play a vital role in soil fertility and nutrient storage. The mineral in CarbonPRO™ **START** is ground from the highest quality volcanic basalt rock. Massive stones from Central Oregon's legendary Cascade Mountains are milled to produce a finely ground product that releases essential minerals and nutrients that plants need to flourish. By mimicking the slow process of Earth's own method for producing productive soil, CarbonPRO™ **START** aids in the regeneration of your soil and works to kick start the biological processes required for optimal and sustainable plant growth.

Key Component — Biochar

CarbonPRO™ **START** is rich in biological carbon—biochar. Biochar is the carbon remains of pyrolyzed biomass—the thermal decomposition of organic material at elevated temperatures made in the absence of oxygen. Used as a soil enhancement, biochar is also a carbon sequestration methodology that reduces the impacts of climate change. Biochar provides habitat for a variety of agriculturally important microorganisms resulting in greatly improved soil microbiological properties. The pore space in biochar provides ideal protection for microorganisms from predators and greatly improves the moisture retention capacity of the soil.

Key Component — Organics

CarbonPRO™ **START** is high in organic matter that performs several critical soil functions. Organic matter enhances water holding capacity, provides plant nutrients and improves root development through Mycorrhizal relationships developed in the soil. Organic soils create stronger plants that can help reduce the severity and costs of natural phenomena such as drought, flood, and disease.

CarbonPRO™ **START**

General Purpose Biotic Soil Amendment for All Plants

CONTAINS NON-PLANT FOOD INGREDIENTS
ACTIVE INGREDIENTS 3.5%

Microbial Inoculants (Nitrogen Fixers):

Azospirillum lipoferum, Azospirillum brasilense

Microbial Inoculants (Biochemical Decomposers):

Bacillus subtilis, Bacillus licheniformis, Bacillus amyloliquefaciens

Endomycorrhizal Fungi:

Glomus intraradices, Glomus mosseae, Glomus aggregatum, Glomus etunicatum

Ectomycorrhizal Fungi: Pisolithus tinctorius, Rhizopogon villosullus, Rhizopogon luteolus, Rhizopogon amylopogon, Rhizopogon fulvigleba, Scleroderma cepa, Scleroderma citrinum

OTHER SOIL AMENDING INGREDIENTS 96.5%

Soil Amending Ingredients: Mineral Basalt, Reed Sedge Peat, Doug Fir Forest Biochar

Directions for use: Broadcast, Drill or Apply by Hand to all soils to enhance biological activity

Purpose: Nitrogen fixation and biochemical decomposition

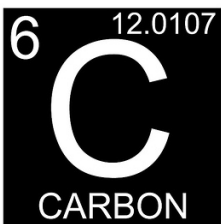
Storage: Store in a cool dry place

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www.carbonprosoil.com

503-241-7333

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>



START Off Right!

