

# CarbonPRO™ FIX Particle Information Sheet

# CarbonPRO™



CarbonPRO™ FIX contains the following properties and characteristics

## Composition — What It Is

**CarbonPRO™ FIX** is a biotic soil amendment that has been developed for professional specialty crop growers to address common soil and plant problems using biological processes instead of chemicals. **CarbonPRO™ FIX** contains important microbes that are found in well balanced soil that creates a biological defense and helps to grow specialty plants that are more resistant to common problems. **CarbonPRO™ FIX** contains organic matter, biochar, and minerals that are found in naturally occurring soils. **CarbonPRO™ FIX** is a preventative measure against soil borne problems and simultaneously supports natural plant development by activating plant's natural defenses. Environmental stresses and issues caused by nature are engaged by the beneficial microorganisms and slow their development leaving the plant strong and able to resist common problems.

## Description—Why Use It

**CarbonPRO™ FIX** biologically inoculates the specialty plant giving it the defense necessary to protect itself against common pathogens that would otherwise jeopardize the wellbeing and yield of the plant. Use **CarbonPRO™ FIX** to **prevent** or **fix** common indoor, outdoor or greenhouse growing issues. If your specialty plants have already been exposed to a threat, use **FIX** as a rescue solution. **CarbonPRO™ FIX** will biologically protect and heal the plant back to its natural state. **CarbonPRO™ FIX** is the biological answer for soil born problems affecting all specialty plants.

## Application—How to Use

Use **CarbonPRO™ FIX** when starting from seed or transplanting plants. **CarbonPRO™ FIX** is applied thru inclusion in backfill soil, or with a broadcast or drop seeder at a rate of 200 pounds per acre or 4 pounds per cubic yard of soil. **CarbonPRO™ FIX** can be applied directly onto the top of the soil in potted or in ground plants, to prevent or **CarbonPRO™ FIX** common infestations or problems.

## Physical Characteristics

Soil Amending Ingredients	Mineral, Organics, Biochar
Applied Color	Black
Particle Sizing (SGN) Regular:	SGN-150
pH	6.0
Total Carbon	28%
Iron (Fe)	1.5%
Molybdenum (Mo)	.005%

## Microbiological Composition

Microbial species	Streptomyces lydicus, Azospirillum lipoferum and brasilense, Bacillus subtilis, licheniformis, pumilus, amyloliquefaciens, megaterium
Fungal species	Glomus species, Pisolithus intraradices, Rhizopogon species, Sclerotinia species

## Physical Properties

Organics	DOM (dissolved organic matter)
Carbon Biochar	85% Organic Carbon
Microbial CFU Count	1.00 x 10 <sup>9</sup> Soil Amending Bacteria
Mycorrhizal	Endo & Ecto

## CarbonPRO- FIX Application Rate

Per Acre	200 lbs.
Per Cubic Yard	4 lbs.



# CarbonPRO™ FIX

## Key Advantage — Protect Your Crop

CarbonPRO™ **FIX** improves many components of soil through increased microbial and mycorrhizae activity. Properly functioning soil effectively and efficiently delivers available nutrients to plants. An increase in beneficial bacterium (microbes) along with carbon, organics and minerals, helps protect the plant against a range of environmental stresses. This combination of Streptomyces and Bacillus provide a preventative defensive barrier around the plant's roots which in turn suppresses and helps control problems. A biological armor is produced to protect the plant from common plant issues.

## Key Advantage — Why Microbiologicals Work

CarbonPRO™ **FIX** contains a proprietary blend of microbes that fix nitrogen, breakdown organic matter and set up a biological defense network against predators. Carbon Link™ technology in CarbonPRO™ **FIX** developed specifically for the specialty plant market, creates and establishes a habitat for microbes and becomes a carbon conduit to cycle the beneficial microbes into the plant roots to strengthen the soil and protect plants.

## CarbonPRO™ **FIX**

General Purpose Soil Amendment for All Plants

### Guaranteed Analysis:

Iron (Fe).....1.5%  
Molybdenum (Mo).....0.0005%

**Derived From** Iron Humate, Sodium Molybdate

### ALSO CONTAINS NON-PLANT FOOD INGREDIENTS:

#### Microbial Inoculants (Biochemical Decomposers):

Streptomyces lydicus, Bacillus subtilis, Bacillus licheniformis, Bacillus amyloliquefaciens, Bacillus pumilus, Bacillus megaterium

#### Microbial Inoculants (Nitrogen Fixers):

Azospirillum lipoferum, Azospirillum brasilense

#### Endomycorrhizal Fungi:

Glomus intraradices, Glomus mosseae, Glomus aggregatum; Glomus etunicatum

#### Ectomycorrhizal Fungi:

Pisolithus tinctorius, Rhizopogon villosulus, Rhizopogon luteolus, Rhizopogon amylopogon, Rhizopogon fulvigleba, Scleroderma cepa, Scleroderma citrinum

**SOIL AMENDING INGREDIENTS:** Finely-ground Basalt, Reed Sedge Peat, Doug Fir Forest Biochar

**Directions for use:** Broadcast, Apply by hand to all soils to enhance biological activity of soil

**Application Rates Typical:** 0.5 ounce/ 1 gallon plant.

8 ounces per 25 gallon plant.

4 Pounds per Cubic Yard Inclusion

**Purpose:** Soil and Plant optimizer, Maintain carbon, Nitrogen fixation and Biochemical decomposition, Pest Prevention

**Storage:** Store in a cool dry place

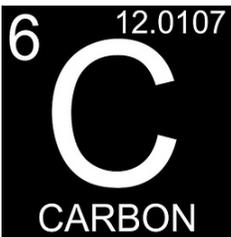
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[www.carbonprosoil.com](http://www.carbonprosoil.com)

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Information regarding the contents and levels of metals in this products available on the internet at

<http://www.aapfco.org/metals.htm>



Just **FIX** It!