16420 McCartyville Rd. | Kettlersville, Ohio 45336
937.693.8311 | pctnutrients.com

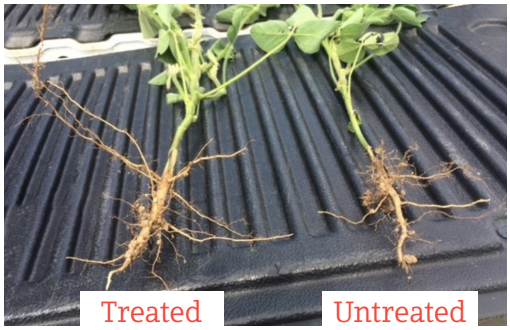
BioBuild®
BioSpray II

BioSpray II, the above ground choice to increase biological activity in your soil.

Introducing PCT | Sunrise® BioBuild® BioSpray II, a specifically designed biostimulant technology containing a beneficial microbial team along with organic acid complexes, plant derived hydrolysates, rhizobia, nitrogen and soil-penetrating technologies to provide a biological benefit for producers who do not have in-furrow delivery capability.

About PCT | Sunrise BioBuild BioSpray II

- Contains strains of bacteria that will help the following:
  - Fix and convert nitrogen for the plant
  - Assimilate phosphorus from organic and inorganic sources
  - Stimulate root and shoot initiation and continue to help the seedling develop plant structure
- The multiple strains of bacteria for each class will provide a consistent source of nutrition across a wide range of soil conditions and environments.
- BioSpray II has 7 team members that provide nitrogen fixation: 6 root zone nitrogen fixers + 1 endophytic (moves nitrogen within cells throughout the plant)
- In addition to nitrogen fixing, BioSpray II contains 14 microbe team members that provide ammonification (process of converting organic nitrogen into inorganic ammonia (NH_3) or ammonium ions (NH_4^+))
- BioSpray II also possess' 6 microbe team members that release Urease (the enzyme that stimulates the conversion of urea to ammonia)
- As applied to the soil surface, this group of microbes helps to degrade plant residue from the previous crop providing increased nutrient release later in the season.



Advantages of BioSpray II

- Designed for those producers who do not have in-furrow capability
- Can be applied via a variety of soil applied application methods
- Provides biological diversity to any field
- Feeds both native and introduced microbial strains
- Designed to work with applied liquid nitrogen, herbicides, insecticides, micronutrients etc.
- Soil penetrating technologies to provide sustained biostimulant capabilities in the soil profile
- Increases soil health & improves yield potential
- Provides organic acids that help chelate micronutrient nutrition in the root zone
- Provides carbon that feeds plant and soil microbial population

The combination of organic acids, protein hydrolysates, rhizobia, nitrogen and soil penetrating technology serve several purposes:

1. Provides a food source to sustain the microbes until they make their way into the soil profile.
2. Organic acids help chelate micronutrients in the root zone.
3. Protein hydrolysates provide the plant building blocks of protein, conserving energy for the plant.
4. When applied to a leguminous crop, Rhizobia contribute to plant nutrition through nitrogen-fixation.
5. Keeps the microbes and organic acids in the soil profile available to do their work in the root zone and not be lost through the soil with water leachate.

PCT | Sunrise®
Local grow how.

11.05.2020 Created
02.25.2022 Revised

Recommended Application Methods

- Corn and Soybeans: Pre-plant or pre-emergence application with foundation herbicide
- Compatible with most liquid fertilizers; a jar test is recommended prior to tank mixing
- Best applied prior to an expected rainfall (up to 10 days post application)
- Application NOT recommended when overnight temperatures fall below 32°F to maintain biological viability

Usage Rate

- 32 oz/ac

Package Size

- 2 x 2.5 gal
- 250 gal tote

PCT | Sunrise®
Local grow how.

16420 McCartyville Rd. | Kettlersville, Ohio 45336
937.693.8311 | pctnutrients.com