

BioBuild® Nourish 10S

Nourish-10S (sulfonated), plant derived humic acids to help improve nutrient uptake and nutrient availability for plants.

PCT | Sunrise® BioBuild® Nourish 10S contains humic and fulvic acids, which are important chelators, combining minerals into organic compounds that are more available to plants. Humic and fulvic acids also tie up toxins, making them less available to plants and increase the water infiltration and water-holding capacity of the soil.

Humic and fulvic acids are part of a group of humic substances. In general, humic substances are created as a result of decomposition of organic matter. Nourish-10S contains both humic and fulvic acid. Humic acid is the fraction of decomposed organic matter that is only soluble at high pH and insoluble at low pH levels. Whereas fulvic acid is the fraction of decomposed organic matter that is soluble at all pH ranges and in water.

Out of the group of humic substances, fulvic acids are smaller, more biologically active and faster acting than others in the group. Humic acids are larger molecules and are not actually taken up by the roots of plants but lightly hold on to minerals in the root zone making them available to the plant.

The organic matter used for the creation of Nourish-10S is leonardite, which is organic matter associated with lignite that has not yet completed the process of transformation to coal.

Nourish-10S is sulfonated, this is to say sulfur in the form of sulfate (SO₄²⁻) has been added. A sulfonated formulation improves tank mix capabilities. Sulfate is the available form of sulfur for plants. With its 2- charge, sulfate is mobile in the soil and readily attracted to positively charged metals such as iron and copper.



PCT | Sunrise BioBuild
Nourish 10S 2019 Trials



Nourish 10S | Standard
Humic

Advantages of Nourish 10S

- ↳ Aids in increasing the availability of nitrogen, phosphorous, sulfur and other minerals
- ↳ Increases uptake of micronutrients such as copper, iron, manganese and zinc
- ↳ Has an auxin (hormonal growth) like effect on plants and roots
- ↳ An excellent source of energy for soil microorganisms (see PCT|Sunrise BioBuild BioComplete or BioSpray sell sheet for additional information on our PCT biological products)
- ↳ Important in nutrient exchange capacity of soils
- ↳ Can be applied in-furrow or 2x2
- ↳ Reminder: Nourish-10S helps plants take up nutrients, a balanced and complete fertilizer program is needed to reach maximum efficacy.
- ↳ Increases root-zone CEC for added nutrient retention
- ↳ Aids in root-zone, soil-water retention
- ↳ Aids in root-phosphorus interception by bridging the gap between actively growing roots and labile phosphorus pools (available soil phosphorus) for quicker phosphorus uptake

Recommendations for Use

- ↳ Apply 1 qt to 3 gallons per acre with the appropriate dilution for adequate coverage
- ↳ Maximum concentration of 1:10 PCT | Sunrise BioBuild Nourish 10S to water for foliar application is recommended
- ↳ Most fertilizer solutions may be mixed with PCT | Sunrise BioBuild Nourish 10S using adequate agitation during blending. A jar test is recommended before tank mixing
- ↳ Do not apply with calcium based fertilizers or fertilizer solutions with a pH of 4 or less

Package Size

- ↳ 2 x 2.5 gal
- ↳ 250 gal tote