

Benefits:

TO THE SOIL

- Provides nutrition for native microbial populations, the driving force of any ecosystem
- Improves soil conditions and nutrient availability by unlocking nutrients that may be tied-up in the soil
- Encapsulates nutrients and keeps them in the root zone for plant uptake
- Improves the water holding capacity of the soil
- Reduces leaching
- Nutrients stay in the root zone where plants can use them and out of ground water, aquifers and other waterways

TO THE PLANT

- Improves nutrient uptake
- Strengthens cell walls
- Increases root depth and mass
- Enhances drought, disease and stress tolerance
- Supports plant's immune response

About KaPre Embella

KaPre® Embella promotes beneficial microbial activity. It feeds the microbes that enhance the breakdown of nutrients to make them more available to the plant. KaPre Embella increases the water holding capacity of the soil, which decreases watering requirements. KaPre Embella grabs moisture, along with some negatively charged nutrients, and attaches them to soil particles. This allows for slower release and helps prevent groundwater and downstream contamination. KaPre Embella is an ideal partner product with KaPre® AG-WSP microbial soil inoculant.

Restore the Soil by Feeding the Microbes!

Of all processes involving sugars in soil, microbial uptake and utilization exceeds plant uptake. This makes sugars especially important for maintaining soil microorganisms and their activities. Microbes can take a simple compound like sugar and transform it into the thousands of complex molecules found in soils. When microbes break down plant matter, they use some of the material they consume for building new biomass – to fuel their own growth, and exhale the rest as carbon dioxide. To maximize the proportion of plant carbon that is transformed into soil organic matter, it is necessary to support and enhance microbial communities that quickly and efficiently transform dead plant materials into soil organic matter.

The rapid uptake of sugars by microorganisms and intensive recycling clearly demonstrate the importance of sugars for microbes in soil. It is speculated that the most important function of sugars in soil is to maintain and stimulate microbial activities in the rhizosphere leading to mobilization of nutrients by accelerated soil organic matter decomposition. For this reason, KaPre Embella has been reformulated to include three sources of carbohydrates: a monosaccharide, disaccharide and oligosaccharides for immediately available, quickly available and slowly available food sources designed to sustain and grow microbial communities.

Application Instructions

Row Crops (Corn, Soybean, etc.): Apply 8-12 oz. per acre in furrow, as side-dress (with or without fertilizer) or on/near planting surface. Foliar apply as needed at a rate of 4– 6 oz. per acre every 30 – 45 days.

Alfalfa: Soil apply 8-12 oz. per acre at or near dormancy break. Foliar apply 4-8 oz. per acre 7-10 days after each cutting.

Cane & Vine Crops: Soil apply 16 oz. per acre in early spring or in autumn.

Small Grains: Soil apply 16 oz. per acre at planting or near dormancy-break. Foliar apply 8-16 oz. per acre, as needed.

Nut Crops: Soil apply 16 oz. per acre in early spring or post-harvest.

DO NOT EXCEED 8 OZ. PER ACRE WHEN APPLYING WITH SELECTIVE HERBICIDES.