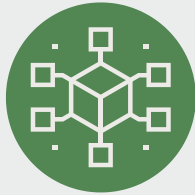


# SURGE

CONCENTRATED MICROBIAL INOCULANT

0.002-0-0.3



INCREASES ORGANIC MATTER, IMPROVES SOIL STRUCTURE AND POROSITY, INCREASES SOIL CATION EXCHANGE CAPACITY

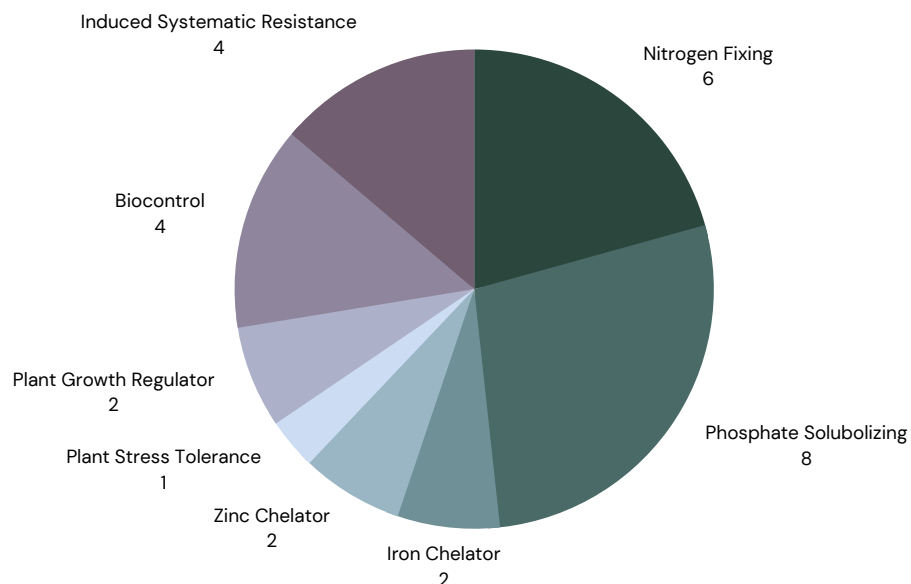


INCREASES BENEFICIAL MICROBE POPULATION SIZE AND DIVERSITY (SEE CHART BELOW)



INCREASES PLANT STRESS TOLERANCE, AS WELL AS PLANT CHLOROPHYLL, STARCH, AND PROTEIN CONTENT

## Functions of Beneficial Microbe Species



# SURGE

**Product Purpose:** Microbial inoculant and fertilizer to promote plant growth

**Product Claims:** Increases beneficial microbe population size and diversity; increases seed % germination, stand and plant growth; enhances soil fertility; increases plant nutrient availability and plant nutrient status; promotes root and shoot growth and plant vigor; increases plant stress tolerance (drought, heat, cold, salt, toxins); increases plant chlorophyll, starch, and protein content; increases organic matter decomposition; improves soil structure and porosity; increases soil Cation Exchange Capacity; supplies organic matter; fixes Nitrogen; solubilizes Phosphorus; and, chelates soil Cations (Potassium, Calcium, Magnesium, Manganese, Iron, Copper and Zinc).

## SURGE Application and Mixing Instructions

SURGE can be applied in furrow over the seed line at a rate of 1 pint (16 oz) per acre (direct contact best), with microbe foods (e.g. Oceanic Hydrolysate, Hi-Energy Fish, Sea Phos, mFOOD, etc.)

May tank mix with fertilizers – check compatibility. Store out of direct sunlight under 100°F. Check compatibility before mixing with pesticides or fungicides.

Filter Size: 100 Mesh (149 Micron)

