Deploy.

Originate ST Seed Treatment is applied at a rate of 2-3 ounces per 50 pound bag of seed.

Unleash.

Beneficial microbes plus organic acid food sources provide an environment for your seed that promotes positive growth as the root zone develops.

Reclaim.

As the seedling grows, the diverse microbes inhabit the root area, promoting a more vigorous and healthy plant. Biochemical signals (enzymes) tell the plant to protect itself through challenges from mother nature.

Deploy. Unleash. Reclaim.

Originate ST Seed Treatment is only part of the story. Add these other SummitGold products to your production program to help your farm work harder for you – naturally.

Compliment®

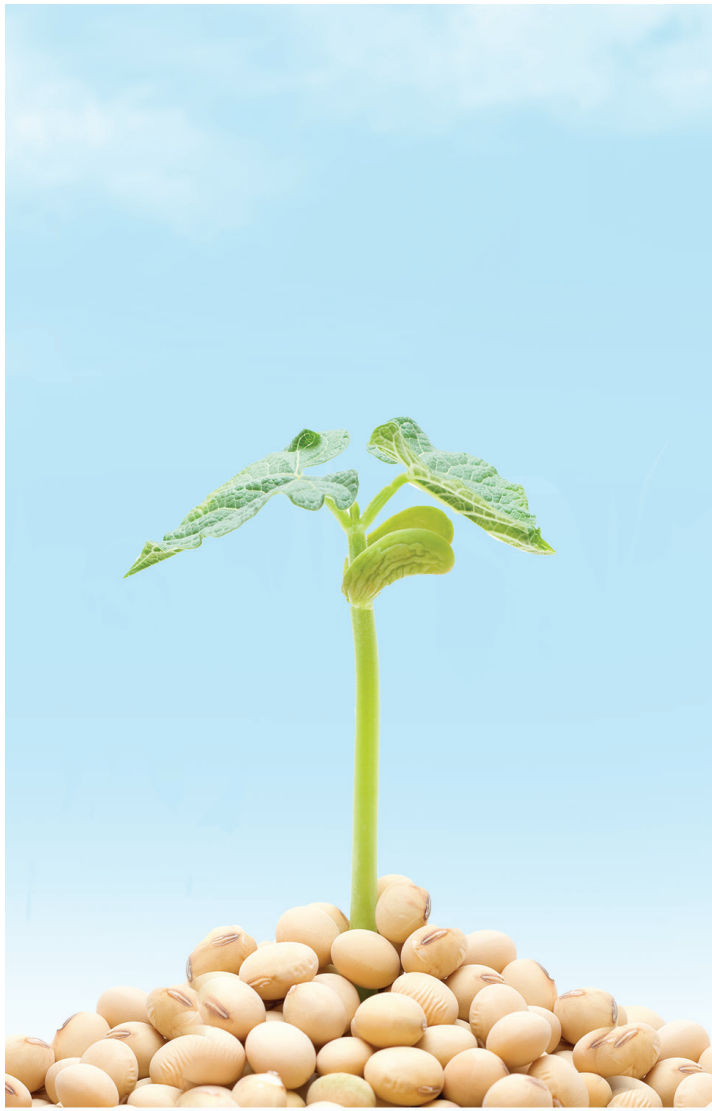
Enhance emergence, as well as nutrient release and uptake, with Compliment. This specialized team of beneficial microbes manufactures enzymes (catalysts) to improve natural nitrogen stabilization and atmospheric nitrogen fixation. Root growth is stimulated, forming amino acids and proteins to feed and communicate messages to plants and plant roots. The host of benefits derived from this natural biochemistry are very diverse.

SG Accelerate™

SG Accelerate Biological Stubble Digester is a broadcast application utilizing high concentrations of non-GMO microbe strains blended to boost the natural process of breaking down and recycling nutrients from residue and stubble back into the soil, preparing the soil for next season's crop.

SummitGold™ Liquid Plant Food *Powered by* Biodyne USA

Originate™ ST



A strong start for strong plants.

Originate ST Seed Treatment is a brand new product that includes concentrated viable biological technologies, promoting a quick and sustained germination process.

This microbial symphony plus organic acid food sources provide a host of benefits and capabilities for your seed that promotes positive growth from the moment of germination and sustains as the rhizosphere (root zone) develops. The microbes in Originate ST Seed Treatment possess capabilities that are extremely versatile and diverse. Specialist capabilities include, mineral nutrient enhancement (Nitrogen Fixation, Phosphate Solubilization), surfactant production, vitamin production, degradation capabilities, hormone production, and siderophore production, to name a few.

As the seedling grows, these “good guy” microbes inhabit the root area, feeding off of the sugars given off by the young plant and help promote a more vigorous and healthy root system and stand. This beneficial microbial team helps guide your plant through the rough and rugged germination terrain that oftentimes results in loss of stand in challenging seasons.

Biochemical signals (enzymes) are given off by the microbial team communicating with the plant, invoking a more robust root mass and vigorous plant, helping maintain its strength and endurance. The result is a much quicker and more consistent stand that you can be proud of and early plant growth that makes everyone take notice. The substantial increase in roots seen across many plant types provides a “forgiveness factor” for growing in diverse conditions.

CAPABILITY AND BENEFITS of Originate ST Seed Treatment:

- Includes free-living nitrogen fixing microbes that bring atmospheric nitrogen into the rhizosphere, (root area) where it can become available to the plants
- Includes several strains that can digest typically indigestible plant residue that can be put back into the rhizosphere to support the growth of the microbial community
- Includes several strains that can solubilize insoluble forms of phosphorus, making them available to the plants
- Includes several strains that facilitate plant growth stimulating hormones
- Includes several strains that facilitate the release of vitamins that contribute to the root zone
- Includes several strains that release compounds (Siderophores) that help capture iron that can then become available to the plants
- Includes several strains that can reduce surface tension to free up more organic and inorganic nutrients to make them available to the entire microbial population

Originate™ ST