CARTEL
microbial inoculant

Cartel® is a specialty blend of beneficial microbial organism's and plant growth promoting rhizobacteria formulated to enhance crop performance

Cartel Clear Bio is a novel resting spore, clear formulation. The formulation technology delivers a truly effective rate of live bacterial spores through a wide range of common agricultural practices. The consortium of beneficial microbial organisms including Bacillus subtilis, Trichoderma harzianum and Pseudomonas fluorescens, improve soils and plant vigor by restoring root zone biological activity. This provides consistent product performance when applied at the recommended rates.

Cartel Clear Bio introduces beneficial microbes in the plant rhizosphere to improve nutrient uptake. Microbial inoculants are living microorganisms that act as bio stimulants or biocontrol agents and are considered to be multipurpose because of their various effects and mechanisms in plants, including positive effects on seed germination. Cartel's beneficial microorganisms break down and release vital nutrients (such as phosphorus, nitrogen, calcium, iron, and more) stored in soil particles, enriching soil and making the nutrients more readily available.

- ✓ **Root growth is increased by bacterial production of metabolites – increases the capture of Nitrogen and water (more efficient use of fertilizer and irrigation).**
- ✓ **Root Colonization provides a barrier against destructive diseases.**
- ✓ **Phosphorus uptake is enhanced by the greater root volume and the production of Phosphorous solubilizing enzymes.**
- ✓ **Iron uptake is improved by the production of natural chelating agents.**
- ✓ **Photosynthesis is enhanced by greater leaf area, canopy development, and increased chlorophyll content, a result of bacterial hormone production. This result is measured in increased production of starches, sugars and bio solids.**
- ✓ **The inherent characteristics of the crop ecosystem is improved.**

Ease of Use

Cartel mixes easily, wont clump or clog, and can be confidently applied in all application methods including drip irrigation systems.

Application Methods

- **Ground**
- **Foliar**
- **Chemigation**
- **Drip**
- **Seed Treatment**
- **Side dress**
- **Transplant Drench**

Use Rates

- **10-30 ounces per acre**

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SymAgro
www.sym-agro.com

OMRI LISTED
For Organic Use