

# RAPIDS®

POWERED BY  CROP EXCELLENCE

RAPIDS® is a spray and fertilizer additive designed to enhance nutrient availability and uptake. RAPIDS® is intended to be used in conjunction with a regular fertilizer program and standard recommended agricultural practices. Recommended Rate: 16oz per acre.

RAPIDS® is a biological food source that can be applied to all crops including but not limited to vegetables, deciduous fruit and nut trees, row crops, tobacco, turf and ornamental crops. RAPIDS® is well suited for foliar application, either by ground or air, but is not limited to hydroponic mixes, fertigation applications and transplant solutions. RAPIDS® is highly compatible with most foliar fertilizers and pesticides however a jar test is always recommended.

RAPIDS® active ingredients consist of a combination of carbon sources and 25 microbial strains made up of 10+ species from 8 different genera. Long and short chain carbon sources benefit the crop by:

- ✦ Feeding microbial populations in the product and in the soil
- ✦ Increasing the CEC® in band where applied
- ✦ Complexing micronutrients
- ✦ Increasing soil water-holding capacity

RAPIDS® microbial component includes free-living N-fixing microbes, plant residue digestion, insoluble P solubilization, plant growth stimulating hormones, and compounds that capture the plants available iron. Also included:

- ✦ Diazotrophs which absorb atmospheric N and create plant available N upon death
- ✦ Biological surfactant production to free up organic and inorganic nutrients, making them plant available
- ✦ Decrease growth of harmful or damaging fungi
- ✦ Vitamin production and release upon death of microbial strains
- ✦ Cellulose and lignin, and chitin degradation that will be degraded to simple sugars to be used as food for microbial strains
- ✦ Excretory products released from cells beneficial to soil health
- ✦ Residual soil pesticide decomposition
- ✦ Cloud of beneficial microbes keeping a high population of positive bugs near the root zone to out-compete potentially harmful microbial populations



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