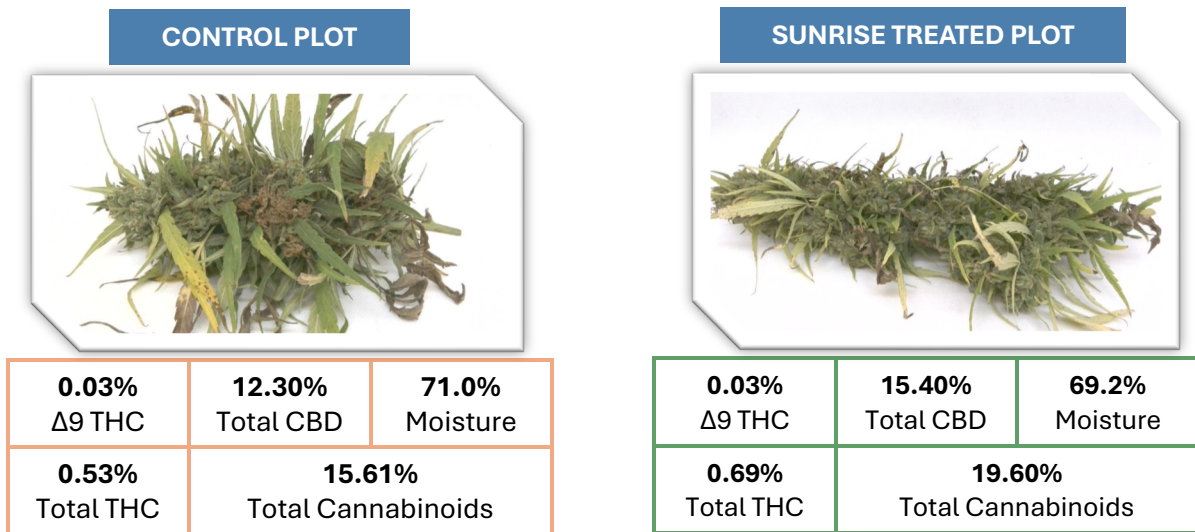




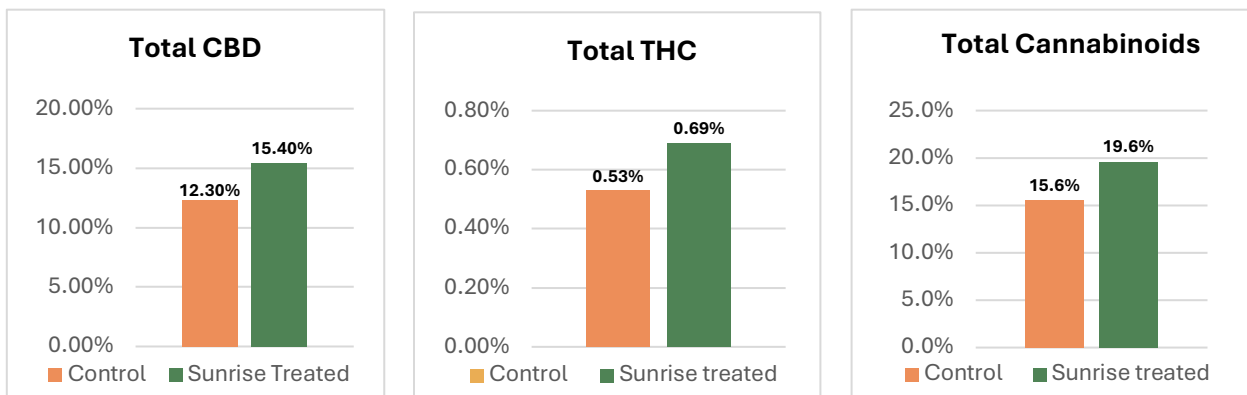
Sunrise Hemp Trial – South Carolina

Sunrise is an OMRI Listed, CDFA-registered microbial inoculant and multi-strain biofertilizer developed for professional and specialty crop programs. This advanced microbial consortium for agriculture combines beneficial bacteria and fungi that function as a soil probiotic for plants, enhancing soil fertility, nutrient cycling, and crop performance. The diverse, spore-forming microbial inoculant colonizes the rhizosphere to solubilize nutrients, decompose organic matter, and strengthen the soil microbiome for sustainable productivity and more efficient nitrogen utilization.

- **Builds Soil Fertility:** enhances biological nutrient availability, accelerates organic matter conversion, and supports long-term soil structure and productivity.
- **Improves Fertilizer Efficiency:** Enhances nutrient-use efficiency by unlocking bound phosphorus and micronutrients while promoting biological nitrogen availability to reduce dependence on synthetic inputs.
- **Enhances Root Growth:** Stimulates root elongation and branching for improved nutrient and water uptake.
- **Promotes Crop Vigor & Resilience:** Boosts plant establishment and tolerance to environmental stress for consistent performance across diverse conditions.
- **Balances the Soil Microbiome:** Encourages beneficial microbial dominance, supporting healthier, more biologically active soils.
- **OMRI Listed & CDFA Registered:** OMRI Listed biofertilizer for organic production systems; CDFA registered for sale and distribution in California as a microbial soil amendment.



RESULT COMPARISON





Complete Analysis

CONTROL

Analyte	LOQ	Mass	Mass
	%	%	mg/g
THCa	0.01	0.57	5.7
Δ9-THC	0.01	0.03	0.3
Δ8-THC	0.01	ND	ND
THCV	0.01	ND	ND
CBDa	0.01	13.75	137.5
CBD	0.01	0.23	2.3
CBDVa	0.01	0.12	1.2
CBDV	0.01	0.08	0.8
CBN	0.01	ND	ND
CBGa	0.01	0.80	8.0
CBG	0.01	ND	ND
CBC	0.01	0.02	0.2
Total		15.61	156.1

SUNRISE TREATED

Analyte	LOQ	Mass	Mass
	%	%	mg/g
THCa	0.01	0.75	7.5
Δ9-THC	0.01	0.03	0.3
Δ8-THC	0.01	ND	ND
THCV	0.01	ND	ND
CBDa	0.01	17.23	172.3
CBD	0.01	0.29	2.9
CBDVa	0.01	0.16	1.6
CBDV	0.01	0.09	0.9
CBN	0.01	ND	ND
CBGa	0.01	1.02	10.2
CBG	0.01	ND	ND
CBC	0.01	0.03	0.3
Total		19.60	196.0