



## Sunrise on Potatoes – Shandong, China

**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.

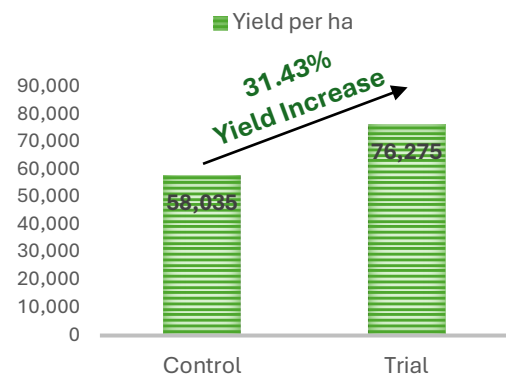
**Time:** Harvested on May 7

**Dosage:** 45g of 50B CFU/g product per hectare, applied twice

**Result:** Sunrise treated field yielded **31.43% more** than the control and had superior uniformity.



Treated potatoes (right) are larger and more uniform in size



### **CONTROL (left):**

- Left are potatoes from 6 random plants from control field
- 48,000 plants in one hectare
- Transplanted on Feb.1
- Yield = **58,035kg/ha**

### **TRIAL (right):**

- Right are potatoes from 6 random plants from trial field
- 48,000 plants in one hectare
- Transplanted on Feb.1
- Yield = **76,275kg/ha**