

# QUANTUM-ORGANIC LIGHT®

## Beneficial Soil and Plant Microbial Inoculant



### DESCRIPTION

Quantum-Organic Light is a plant and soil inoculant that restores and enhances the foundational levels of soil biology (also known as the soil food web). This product incorporates highly specialized photosynthetic and heterotrophic bacteria into a diverse microbial formulation that provides unprecedented plant enhancement at foliar, root and rhizosphere.

### PERFORMANCE CHARACTERISTICS

When used as a foliar or soil application, Quantum-Organic Light directly impacts plant vigor and performance by:

- ✓ Improving nutrient uptake
- ✓ Improving plant photosynthesis
- ✓ Improving root and shoot growth
- ✓ Fortifying plant natural defense systems
- ✓ Promoting water production and retention

### PRODUCT CHARACTERISTICS

Highly concentrated – Provides twelve million colony forming units per milliliter.

Safe and easy to use - Non-toxic and contains non-pathogenic bacteria. It may be applied as a root drench or as a foliar (diluted 10:1 with water) and is compatible with most types of irrigation systems to include: speed sprayer, boom sprayer, pivot irrigation, aerial spray, micro-jet, etc.

No re-entry restrictions, Easy storage – Does not require refrigeration.

Long life – Shelf stable for 3 years (unopened) and 1 year (opened).

## PROPERTIES

**Guaranteed Bacterial Analysis:** Rhodopseudomonas palustris 1,000,000 cfu/mL

**Fertilizer Analysis:** No NPK; fertilizer analysis of 0-0-0

**pH:** 6.9-7.5

**Specific Gravity:** 0.9958 Particle Size: 100% through 100 micron/140 mesh

**Appearance:** brown black liquid

**Odor:** Pungent and distinctive odor, hydrogen sulfide (rotten eggs smell)

**Packaging:** Plastic 1 gallon bottles, 5 gallon totes, 30 gallon & 55 gallon drums  
and 275 : gallon totes (mini-bulks)

**Storage/handling:** Shake/agitate before use. Re-cap as soon as possible. Store between 32°F/0°C  
and 110°F/43°C.

## DIRECTIONS FOR USE

**Row Crops** – 64 oz per acre at planting; 64 oz per acre at 14 to 21 days post planting; 64 oz per acre prior to full canopy.

**Grains (Irrigated)** – 64 oz per acre at planting; 64 oz per acre at seed head development.

**Grains (Non-irrigated)** – 1 gallon per acre at planting.

**Turf (Golf)** – Initial application of 8 oz per 1,000 ft<sup>2</sup> on tees and greens; 4 oz per 1,000 ft<sup>2</sup> every 14 days.

**Turf (Sod & Sport)** – Initial application (including at planting) 1 gallon per acre; 64 oz every 30 to 45 days.

**Vegetables (Greenhouse)** – Water in seeds with 4 oz per gallon.

**Vegetables (Out planting)** – Root dip or drench with 4 oz per gallon; 64 oz per acre every 14 to 21 days.

**Citrus (fair to good condition):** 1 gallon Pre-bloom or early bloom Full bloom or 2/3 petal fall With summer spray\* With fall spray\* 6 to 8 weeks prior to harvest

**Citrus (poor condition):** 1 gallon As a foliar\* or through ground irrigation every 30 days

**Foliar Spray Program:** 2 gallons Feb/Mar Jun/Jul Sept/Oct Nov 6 to 8 weeks prior to harvest New

**Plantings/Resets:** 2 oz per tree At transplant with watering in solution

### DO NOT MIX WITH FUNGICIDES OR PESTICIDES.

When tank mixing, add the Quantum-Organic Light last and apply within 0 to 12 hours. For crop specific application rates and timing, visit <http://www.GrowQuantum.com/product-application-rates.aspx>.



[info@microbelift.ph](mailto:info@microbelift.ph)

+632 709 7981

Unit 413, Corporate 101 Bldg.,  
101 Mother Ignacia Ave., Brgy. South Triangle  
Quezon City, 1103 Philippines