

SPECIFICATION SHEET

QUANTUM-TOTAL™

Beneficial Soil and Plant Microbial Inoculant

DESCRIPTION

Quantum-Total 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-Total 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 nearly twenty one million colony forming units per milliliter.

Safe and easy to use – Non-toxic and contains non-pathogenic bacteria. It may be applied as a foliar or root drench 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

Fertilizer Analysis:	No NPK; fertilizer analysis of 0-0-0
pH:	6.9-8.0
Specific Gravity:	0.9958
Particle Size:	100% through 100 micron/140 mesh
Appearance:	Brown to black liquid
Odor:	Pungent and distinctive earthy odor
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

- ❖ **10 liters per hectare** is the standard dose rate and to enquire for specific crops and timing of dosing please contact sales@growqanz.com

DO NOT MIX WITH FUNGICIDES OR PESTICIDES. When tank mixing, add the Quantum-Total last and apply within 0 to 12 hours. Use with Non-Chlorinated water only.

Visit www.growquantum.com/product-application-rates.aspx

