

**APEX-10®**

**General**

**Description**  Natures Wonder APEX-10 contains all-natural humic substances with stable dispersion of naturally occurring polyhydroxy carboxylic acids. APEX-10 is a slurry mixture for easy application.

**Functional**

**Use** This is an organic bio-stimulant and soil amendment that enhances fertilizer and water efficiency, increases crop turgidity, enhances soil retention & makes nutrients more available to the crop, and dramatically reduces the potential of root loss under stressful conditions.

**Composition** Humic Acid ≥ 3% Fulvic Acid ≥ 2% Solids ≥ 12%

Humic Acid **-** Determined using CalifHA4/JC (rev 2.3-11-09) procedure

Fulvic Acid – Determined using V&B method

Solids - Determined using SM2540 G-(1997)

**Elemental**

**Composition** Inductive Coupled Plasma -Mass Spectrometry

Nitrogen (N)4­0.7600 wt%

Phosphorus (P)1 0.1123 wt%

Potassium (K)1 0.1101 wt%

Iron (Fe)1 0.0716 wt%

Calcium (Ca)1 0.0420 wt%

Magnesium (Mg)1 0.0125 wt%

Phosphorus Pentoxide (P2O5)3 0.2573 wt%

Potassium Oxide (K2O)3 0.1326 wt%

Calcium Oxide (CaO)3 0.0588 wt%

Magnesium Oxide (MgO)3  0.0207 wt%

Zinc (Zn)2 12.9 mg/kg (ppm)

Manganese (Mn)2 7.14 mg/kg (ppm)

Copper (Cu)2 2.80 mg/kg (ppm)

**Moisture** This is slurry based: 88% pH Adjusted H2O 12% Solids

**Bulk Density** 83.4 lbs/ft3

**pH** 5 to 6

**F.O.B.** Akron, OH

**Containers** 275-gallon totes

**Research** Virginia Tech: Evaluating Root Development & Root Strength with APEX-10 and Leonardite

**Papers** Rutgers: Effects of APEX-10 on Fertilizer Efficiency & Reducing Irrigation Requirements