

# Apex10 for Trees and Shrubs



From Earth.... For the Earth....

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## TREES AND SHRUBS

### Benefits- Things you can expect to see

- OMRI Listed Organic
- APEX-10 can be tank mixed with any other component of program
- Enhancement of fertilizer applications
- Reduction in irrigation by at least 30%
- Faster rooting
- Reduce transplant loss by at least 50%
- Successfully plant in weaker soils
- Increased drought and stress tolerance

### Rates and Timing:

At planting, mix 2 oz APEX-10 per each 5 gallons of water used per tree, and 1 oz per 5 gallons of water used per shrub. Soak root ball, pour the rest in the hole. You can apply every 45 days saturating the plant to a drip and saturate the soil at base of plant to ensure complete plant absorption.

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## Advantages of Using APEX-10

### Feature

### Benefit

**100% Organic**

**APEX-10** is 100% organic, tested to USDA organic program rules and registered with the Organic Material Review Institute (OMRI) No: CTI-9248.

**Proven Tested & Documented**

**APEX-10** tested under many environmental conditions at several of the countries leading universities and International institutions have resulted in overwhelming success.

**Increases soil microbes**

**APEX-10** significantly increases total soil biomass and soil biomass activity.

**Increased Nutrient Cycling**

**APEX-10** significantly increases predatory Microbes, which then consume food and create more biomass releasing their waste including NH<sub>4</sub> into the soil and taken up by other organisms and plant roots.

**Increases Nutrient Retention**

By increasing soil biomass with **APEX-10** nitrogen in forms of organic matter and organism biomass becomes less mobile in the soil and not washed through the soil, as is the case with the run-off of nitrate and ammonium when high levels of soil biomass are not present.

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## Advantages of Using APEX-10

### **Increase in the soil Structure**

**APEX-10** increases soil biomass and biomass activity influence the combining of soil matter. As bacterial biomass activity increases, organic matter combined with the chemical properties of the soil allow more soil particles to bond. When higher-level organisms such as earthworms and arthropods increase in populations and become more active, they consume small soil particles as they consume organic matter, when processed through their bodies they create faecal matter and these small soil particles in the faecal matter combine together with the soil structure.

### **Increased water holding capacity**

Increased fungal biomass from **APEX-10** directly increases fungal hyphae that combines with plant root hair improving soil stability, soil porosity, water infiltration, and water holding capacity in the soil.

### **Aiding in Suppressing Disease Causing microorganisms**

**APEX-10** increase complex populations of microorganisms present in the soil. These beneficial organisms out compete disease-causing organisms for food. This process creates increased populations of beneficial microorganisms thus reducing the population of disease-causing microorganisms.

### **Increase Photosynthesis**

**APEX-10** increases in photosynthetic activity to turf grown under non-stressful conditions and turf grown heat stressed and drought stress conditions.

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## Advantages of Using APEX-10

### **Increased quality during heat stress**

**APEX-10** demonstrated better visual quality, improved drought conditions and during extended periods of drought stress maintained significantly greater root mass.

### **Increased Plant Antioxidants levels**

**APEX-10** greatly increases levels of antioxidants in turf grown under heat stress and drought stress conditions.

### **Newly Seeded Turf**

Grown in soil with the correct levels of N, P, & K and in soils deficient in P, showed significant increases in height and density.

### **Increased Plant Height**

Studies indicate that plants treated with **APEX-10** increase plant height.

### **Increased foliar & dry weight**

Plants treated with **APEX-10** measured greater dry weight and foliar dry weight respectively.

### **Increased root dry weight**

Plants treated with **APEX-10** had of 38% greater root weight.

### **Higher Chlorophyll levels**

Chlorophyll levels measured with a S.P.A.D. on plants treated with **APEX-10** showed greater chlorophyll levels

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## Advantages of Using APEX-10

### Reduction in Nitrogen

Data shown in soils treated with **APEX-10** that the amount of nitrogen applied decreased because the level of available nitrogen stored in the soil by microorganisms increased while greater increases in harvest were measured.

### Increased harvest in poor soil

Crops treated with **APEX-10** and silicates in poor productive soil were significantly greater as follows

Corn      209% Increase total green mass

Wheat    64% Increase in grain harvest

Tomato   61% Increase in harvest

Pepper   51% Increase in harvest



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### KGV Denkyem

#### Official Website

[www.kgvdenkyem.com](http://www.kgvdenkyem.com)

All new members to KGV Denkyem company are to **Register** and submit their bio data to KGV Denkyem website.

Visit <https://kgvdenkyem.com/executiveregister.php>

Contact KGV IT Dept in case you encounter any difficulty in the registration process. NB: Please include your picture for successful registration

KGV IT Dept.

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KGV/Apex10 beautification and enrichment company

King Global ventures construction

Harvest / AKA Farms limited



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