

*Qualitative Crops*

**- Specification Sheet -**

## **ROOT CARE**

**ROOT CARE** is a liquid root biostimulator and soil activator specially designed to improve the function of the root system with subsequent the increase of the productivity of plants. It is produced by the combination of organic raw materials and contains various plant extracts, natural organic polymers, chelated micronutrients and sugars. The combination of all these raw materials affects the root tissues in many ways and activates the biological mechanisms of the plants which control the various functions of the root (water and metal uptake, elongation, energy storage and in some cases rebirth). Moreover **ROOT CARE** contains plant substances that affect the physicochemical properties of the soil (lattice structure, permeability, cation exchange capacity), the surface tension of the water and the formation of chemical compounds with minerals acting as an excellent soil amendment. The millions organic compounds which are contained in **ROOT CARE** have an active part in the growth and multiplication of the natural microflora and fauna of the soil and the micro roots and they constitute **ROOT CARE** an important ally of the plants during periods with stress caused by various factors.

### **PROPERTIES AND USES:**

- Promotes the growth of roots in all crops.
- Increases the nutrient uptake from the root.
- Enhances the biological processes which take place in the root system.
- Promotes the productivity of plants.
- Improves the characteristics of the soil.
- Reduces the water losses in the soil.
- Washes salts from the soil and reduces nitrate accumulation.
- Increases the beneficial microbial population of the soil.
- Increases the resistance of the plants against stress caused by various factors.
- It is not phytotoxic.
- Does not contaminate the environment.

### **APPLICATION:**

**ROOT CARE** is applied through the irrigation/fertilization system by drenching or spraying the area around the roots after it has been diluted in water.

Application Rate: Generally it is applied at the following application rate.

*Soil application:* 3-20 l/ha.

## **STANDARD ANALYSIS**

Plant saponins  
Steroidal glycosides  
Plant oils  
Plant limonoids  
Plant terpenoids  
Polyphenoles  
Tanins  
Humic acids  
Sugars  
Carbohydrates  
Amino acids  
Plant hormones  
Chelated micronutrients  
(Fe, Zn, Mg, Mn, Cu, B, Mo)

## **PHYSICAL PROPERTIES:**

Appearance: Brown-black fluid  
Density: 1.047 g/ml  
Solubility: 100% water soluble  
pH: 4.0-5.0