

Pome Fruit Orchard Planting

Strong healthy growth for profitable production.

The keys to successful orchard establishment are a strong healthy root system, nutrient availability and water.

The Soil Essentials Strategy will:

- 1. Encourage Microbial Diversity to**
 - Protect new root growth
 - Improve nutrient uptake & availability
- 2. Energise the tree to**
 - Stimulate root & leaf growth
 - Increase chlorophyll production & photosynthesis

Rates - 3 options

- **Bare Root Dip**
500g MicroPlus in 50L water and
2L Super Kelp in 50L water
and
- **Soil Drench**
1-2g MicroPlus in 1L water per tree and
5-10mls Super Kelp in 1L water per tree
or
- **Injection**
1-2g MicroPlus in 5L water per tree and
5-10mls Super Kelp in 5L water per tree



Apples helped through heat stress with OFS Soil Essentials - Strategy

Microbial Diversity



MicroPlus

- Activates nutrient uptake
- Dissolves hard to capture nutrients like P and Ca
- Out competes pathogens & improves root health

Contains beneficial fungi & bacteria including Mycorrhiza, Trichoderma, Bacillus, Streptomyces, Pseudomonas, and more.

Energise the tree



Super Kelp

- Improves root growth - allows the plant to absorb nutrients like P and Ca
- Reduces plant stress caused by planting, drought or frost
- Mixes easily with fertiliser (low pH)

Key components in kelp that are bioactive at low concentrations are macro- and micro- nutrients, amino acids, vitamins, cytokinins, auxins, betaines, alginates, sterols, abscisic acid.

Easy to use solutions

Application methods of products recommended in this program can be adjusted to fit your system.

All products are naturally based and can be mixed or used individually as bare root dip, in planting water or via irrigation.

For example:

- MicroPlus can be mixed and applied as a bare root dip, soil drench or in planting water.
- MicroPlus and Super Kelp can be applied in the drench/planting water.
- We recommend applying Super Kelp as foliar spray or via irrigation every 3-4 weeks during first season.



"We speak a lot of the importance of sustainable food systems for healthy lives. Well, it starts with soils." - FAO Director General

Profitable orchard establishment starts with the soil!



Soil Essentials - Strategies ... it all starts with the soil!

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