Maxi-Root is a liquid fertiliser in a kelp base containing nitrogen (N), phosphorus (P), EDTA chelated micro-nutrients (such as: Zn, Fe, Mn, Cu, B, Mo) and plant growth regulators, cytokinins and auxins used for promoting root establishment and general plant growth.

What is Maxi-Root:

- Maxi-Root was developed to maintain nutrient levels (N, P, Zn, Fe, Mn, Cu, B and Mo) in plants during establishment of crops when seedlings have emerged or when seedlings or saplings are transplanted to obtain well developed roots and to mitigate abiotic stress during establishment.

- Optimising effective utilization of nutrients after emergence or during transplanting of seedlings or saplings is ensured with the natural chelating effect of Kelp and additional added EDTA chelated micro-nutrients.

- A chelator is either an organic agent or a chemical that surround / enclose a cation and neutralise its positive charge. This increases the plant availability of the cation.

- The key is to obtain well established root and root hair development as soon as possible to mitigate abiotic stress (heat-, cold- and draught stress) during planting or transplanting that will ensure better crop stand and strong vegetative growth.

- Root hairs enlarge the surface area of the roots that ensure greater absorption of nutrients and water. The root system must continue to function optimally until the seed fully matures to ensure maximum nutrition uptake and yield.

- With bearing tree crops, Maxi-Root is applied during a root flush before flowering to maintain well developed roots and root hairs that ensure improved bud breaking and flowering.

Function of bio-stimulants in Kelp:

Ecklonia maxima occurs abundantly in the South west and West coast of South Africa and is known as a very effective bio-stimulant in agriculture.

Kelp consists of a complex mixture of polysaccharides, polyamines and micro-nutrients. Low concentrations of plant growth regulators auxins, cytokinins, gibberlic acid and brassinosteroid also occurs in Ecklonia maxima.

How to use Maxi-Root:

- Maxi-Root is readily taken up by the plant and is formulated for use as both a foliar feed and soil drench.

- Maxi-Root should preferably be applied early mornings or late afternoon.

- Refer to label for dosage rates as indicated for various crops.

*See label for further instructions and information.