

Organic Solutions for Growth

Omnia Specialities Australia Pty Ltd

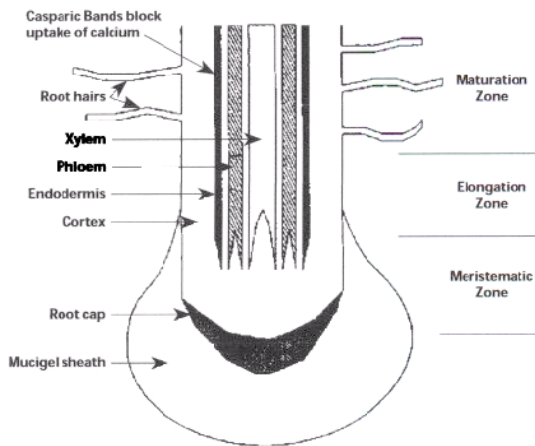
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NEW

OmniBoost-Hort™

Plant Stress Management

Healthy Growing Root Tip



Note that calcium can only be taken up in the meristematic zone, which is only present in actively growing roots.

Stress can be caused by a variety of factors:

Environmental - Drought, Heat, Frost, Wind damage

Biological - Insect damage, fungal attack, weed competition

Physiological - High crop load, oxidative cell damage

To manage these stresses the crop diverts energy away from growth and development, leading to reduced yield and quality.

When a crop is under stress, three things happen:

1. Root development stops

This leads to poor nutrient uptake, particularly of calcium. The crop's ability to fully exploit available resources becomes limited.

We are able to monitor this effect of stress using *Omnisap™* and counteract it with root stimulants like *Mega-Kel-P™*.

2. Leaves turn yellow (see diagram)

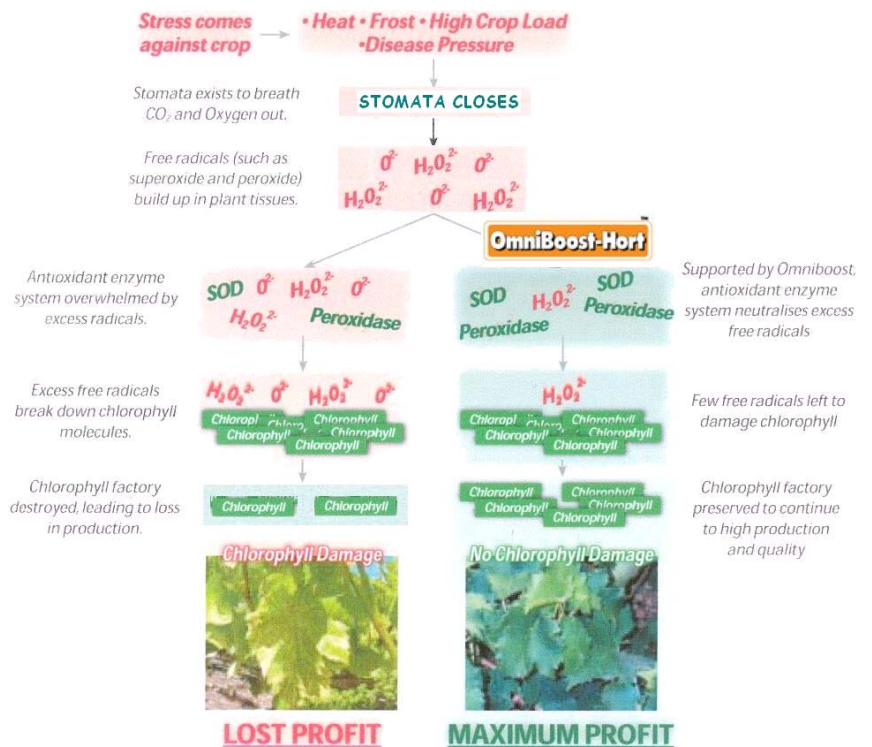
Crops need to maintain high chlorophyll levels, as this is the factory for production. Chlorophyll damage occurs during stress when highly reactive molecules called free radicals react with the chlorophyll, leading to chlorosis. The antioxidant system of the plant needs key trace elements to work effectively. With *Omnisap™*, we can accurately monitor the trace element status of the crop.

Omnia have formulated *OmniBoost-Hort™* to support the antioxidant system of the plant. These contain a comprehensive range of trace elements, plant energy boosters and growth regulators to preserve the chlorophyll factory in the leaves.

3. Flowers and fruit are lost

Loss of flowers and fruit is most often energy and trace element related. Fruit development also dramatically increases demand of P,K,S and trace elements. These plant stresses can be overcome with regular applications of *OmniBoost-Hort™* every 14 days.

OmniBoost-Hort™ Helping You Obtain Maximum Profit



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