

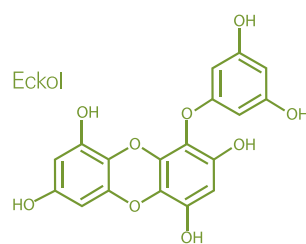
Kelpak application:

- Seed coating
- In-furrow application
- Root dip
- Soil drench
- Drip irrigation
- Foliar sprays

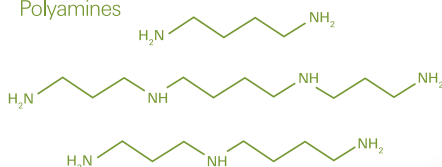
Active compounds:

- Phlorotannins (polyphenols)
- Polyamines
- Alginates
- Macro nutrients
- Micro nutrients

These compounds act in concert, contributing to numerous favourable physiological responses



Polyamines



- Kelpak alleviates the impact of abiotic and biotic stresses as well as prolonging shelf-life and quality during cold storages

Actual diameter
Of a mature
Ecklonia maxima
stem

Kelpak benefits:

- Kelpak reduces transplant shock and increases the growth of seedlings and nursery plant-outs
- Kelpak provides prolific lateral root growth resulting in improved plant nutrient and water uptake with subsequent foliar growth
- Kelpak increases photosynthesis, the production of carbohydrates and benefits colour and sugar content
- Kelpak improves pollen germination, pollen tube growth, fertilisation and fruit set
- Kelpak improves fruit retention and fruit quality

Visit
our website
for more
information



THE SOURCE

Over eight metres from base to tip, the fast-growing giant brown kelp species, *Ecklonia maxima*, contains several naturally active compounds that contribute to Kelpak's performance. The kelp is harvested by divers in rotation to allow natural kelp bed regeneration, supporting consistent product quality.



The Cold Cellular Burst extraction method preserves the delicate compounds in the kelp's cell sap

THE PROCESS

The harvested seaweed is sorted, cut and washed, and then micronised. Due to its robust cellular structure, *Ecklonia maxima* seaweed requires a gentle extraction method to preserve the natural active compounds that make Kelpak so effective.

The Cellburst Process uses extreme pressure differentials to rupture the cell walls. The material moves rapidly from a high- to low-pressure zone, releasing its valuable contents. Known as Cold Cellular Burst Technology, or Cellburst®, this unique process has been refined over five decades, earning Kelpak the trust of growers worldwide.

A UNIQUE PRODUCT

Kelp Products International's mission is to deliver cost-effective benefits to our customers. Kelpak, a natural plant biostimulant, helps growers improve crop health and output, with global scientific trials demonstrating how its unique activity consistently delivers significant, real-world results.



In harmony with nature

kelpak.com



NATURAL
plant
biostimulant

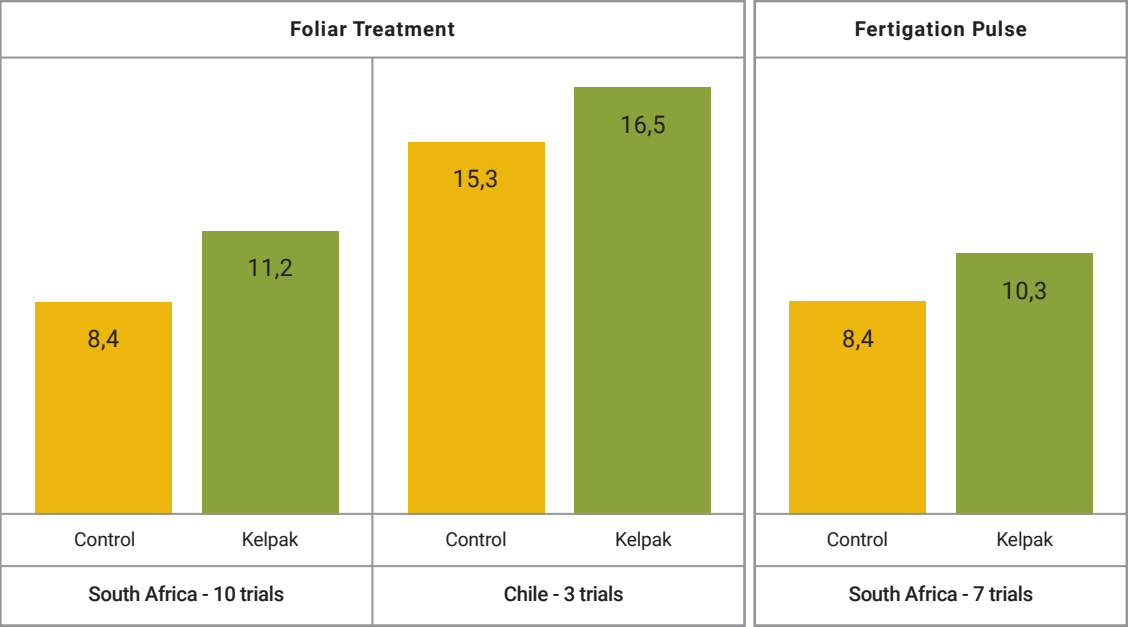


Kelpak

Scientific trials show that Kelpak improves abiotic stress tolerance, fruit set and retention in avo's with increased marketable yields.



% Yield increase above standard grower practice - Ton/ha



+9%
Packout increase on Hass
Less fruit per 4 kg box

Kelpak

- Improves growth of young trees
- Increases tolerance to abiotic stress
- Better fruit set and retention
- Improves alternate bearing year
- Increases fruit number at harvest without size/weight reduction
- Increases total marketable yield



Scan to watch avocado video
Excellent results achieved during independent field trials on Hass and Maluma avocados in the Levubu region in South Africa.

Recommended Kelpak application timing and rates



Foliar: At 50% flower

Spray a minimum of 3 L/ha at 50% flower

Rate 3 L/ha (0.4%)



Foliar: At fruit set

Spray at fruit set, 14-21 days after 50% flower

Rate 3 L/ha (0.4%)



Optional: Fertigation, root flush

Apply as a pulse via fertigation with first root flush

Rate 15 L/ha



For irrigation water with high salinity, apply as a pulse via fertigation at 30 L/ha with first and second root flush

When applied in a total spray volume of more than 1000 L/ha, maintain a minimum dilution rate of 0.5% after transplanting. Rinse lines after pulse

Maintain pH below 7



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