

BENEFITS

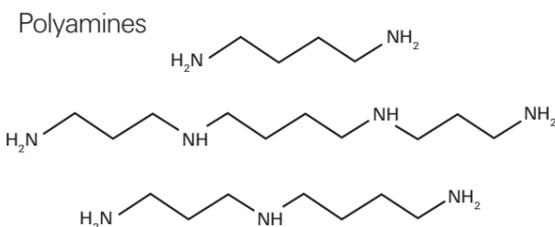
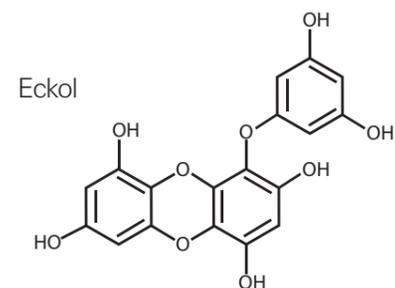
- Improves tolerance to abiotic stress
- Reduces transplant shock in new plantings
- Increases berry size
- Improves uniformity of berry size
- Reduces rachis browning
- Improves table grape quality
- Increases marketable yield

APPLICATION

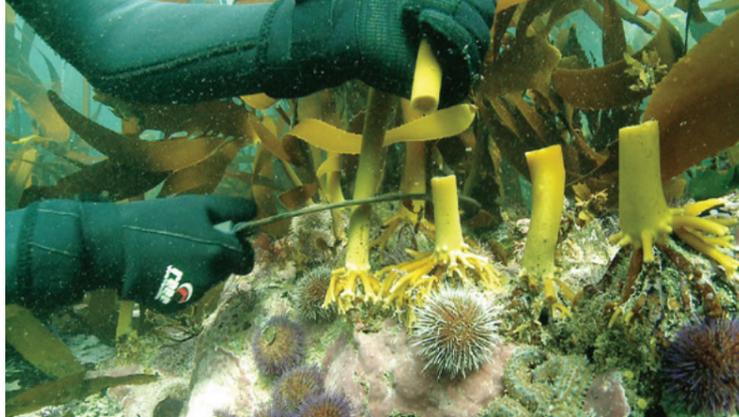
- Plantout vine dip
- Bunch dip
- Drip irrigation
- Foliar spray
- Electrostatic spray

Kelpak is a composite of natural actives including:

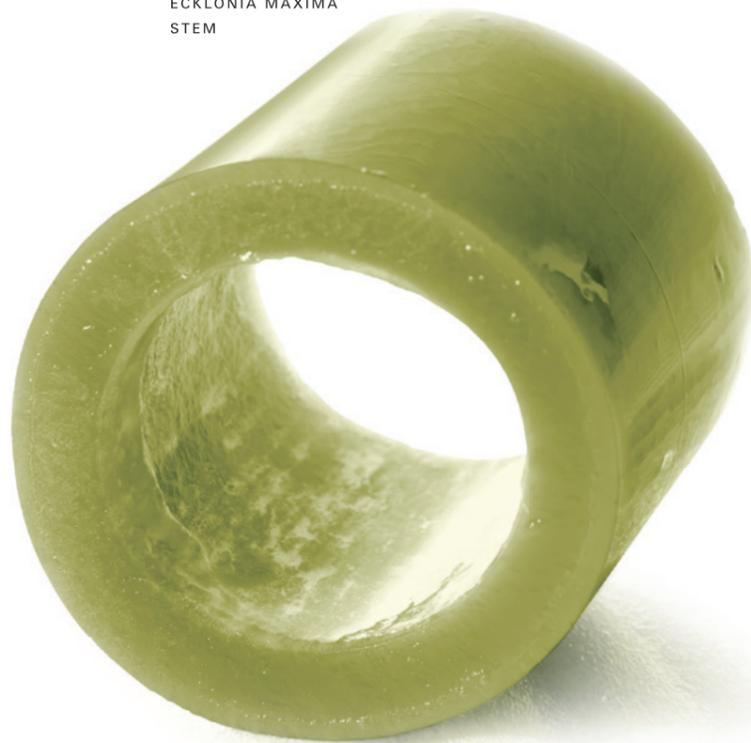
- Phlorotannins (polyphenols)
- Polyamines
- Alginates
- Macro and micro nutrients



These compounds act in concert, contributing to numerous favourable physiological responses that benefit table grape quality, yields and return on investment



ACTUAL DIAMETER OF A MATURE ECKLONIA MAXIMA STEM



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THE SOURCE

The fast growing brown kelp species *Ecklonia maxima*, growing up to eight metres from base to tip of the frond, is harvested by divers off the rugged coastline of southern Africa. This giant kelp species contains the unique active ingredients essential to Kelpak's excellent performance on crops.



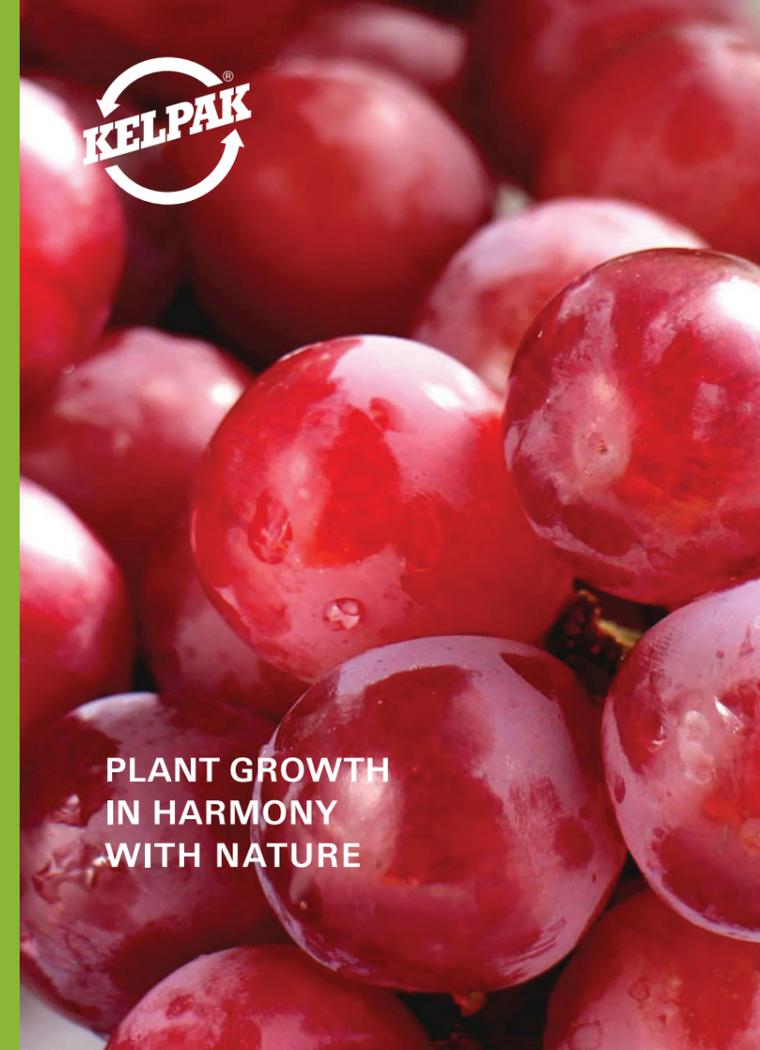
The Cold Cellular Burst extraction method preserves the delicate compounds in the kelp's cell sap

THE PROCESS

The harvested seaweed is sorted, cut and washed. The cleaned material is then inspected and progressively reduced. The compressible nature of the *Ecklonia* particles allows them to be subjected to extremely high pressures. The Cellburst Process induces a degree of potential energy into each particle. When passed at high velocity through to a low pressure zone, it effects the instant release of this energy, where the resulting expansion exceeds the elastic limit of the cell wall of the kelp, causing it to rupture and release its valuable contents. This unique Kelpak process is known as Cold Cellular Burst Technology, a proprietary method developed and refined over the last four and a half decades.

A UNIQUE PRODUCT

Kelp Products International's mission is to provide cost effective benefits for our customers. Kelpak plant biostimulant has been helping growers improve their crop output for over four decades with global scientific trials proving that Kelpak's unique activity delivers consistent and significant benefits.



PLANT GROWTH IN HARMONY WITH NATURE



NATURAL plant biostimulant



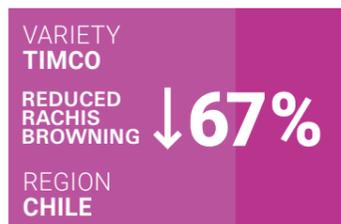
Kelpak



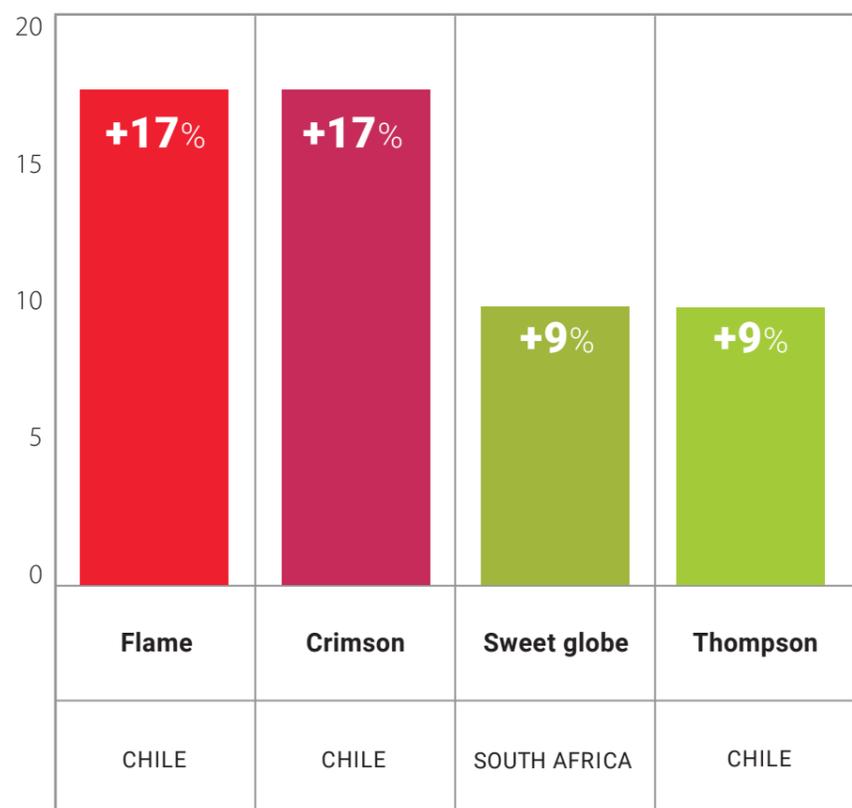


Kelpak is scientifically proven to improve table grape quality, berry size, and marketable yield.

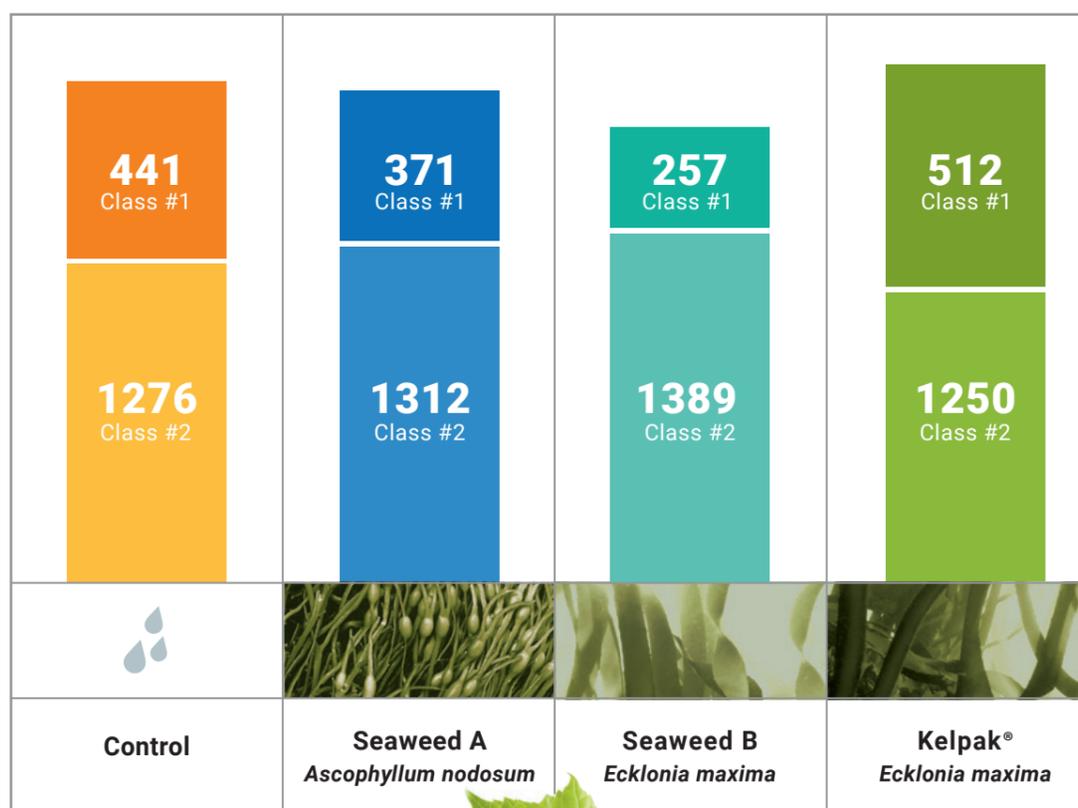
A wealth of field trials conducted on table grapes over the past 45 years, consistently show excellent returns for the grower. Kelpak application also provides a significant reduction in loose berries and rachis browning, which both ensure that premium quality bunches are maintained from the vine to the shelf.



Kelpak on berry size | % increase above standard grower practice



Kelpak vs other seaweed extracts - USA | Class #1 and Class #2 boxes/ha



kelpak

Recommended Application

For bunch stretching:

Foliar sprays at 2-3 L/ha at 2 - 5 cm shoot length. Repeat 10-14 days later

For improved berry size & quality:

Foliar sprays at 3-4 L/ha at berry set (4-5 mm berry diameter). Repeat 3-4 times at 10-14 day intervals

For excellent brix and uniform colour:

Foliar sprays at 3-4 L/ha at veraison. Repeat 10-14 days later

For improved colour & sugar content:

Foliar sprays at 3 L/ha at start of berry softening. Repeat 14 days later

Important: Increase Kelpak rate to maintain 1:300 dilution when water volume above 1000 L/ha is used. Use 4 - 5 L/ha with electrostatic applicators

Foliar sprays can be substituted with 1% bunch dips or directed bunch sprays. May be applied with gibberellic acid and/or forchlorfenuron applications



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