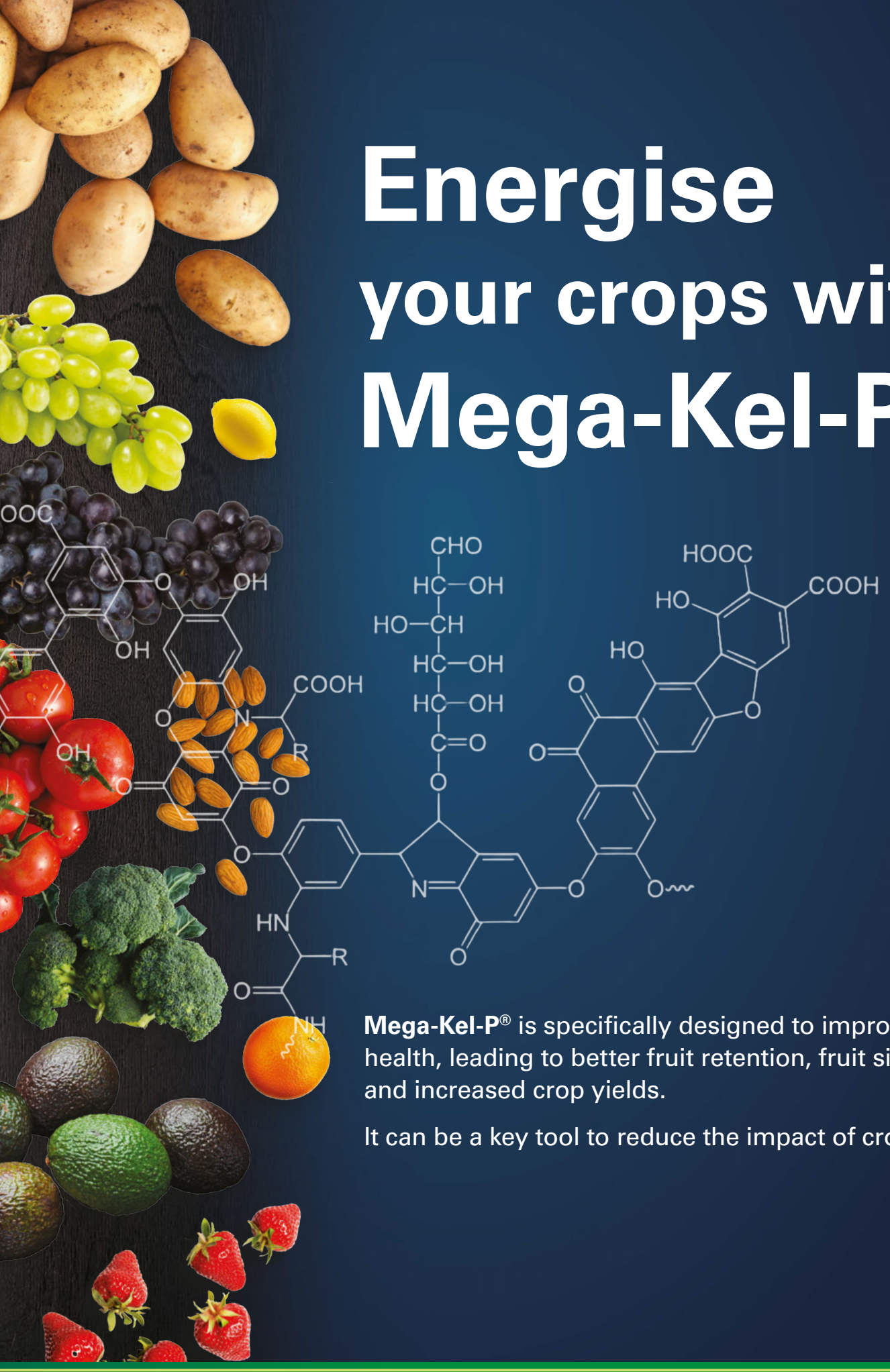
Energise your crops with Mega-Kel-P®



Mega-Kel-P® is specifically designed to improve plant health, leading to better fruit retention, fruit sizing and increased crop yields.

It can be a key tool to reduce the impact of crop stress.

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WHAT IS MEGA-KEL-P

Mega-Kel-P is a foliar, organically based nutrient combination. It is based on extracts from Tasmanian Bull Kelp and formulated with optimized ratios of NPK, essential chelated trace elements, amino acids, and fulvates. When combined these minerals and organic extracts stimulate energy production and build stress resilience in crops.

Mega-Kel-P is unique because it is the only product available that can deliver foliar available phosphorus, fulvate, micronutrients and the biostimulant power of kelp at such a high concentration in one solution.

APPLICATION

Applied as a foliar spray at specific stages of crop development, Mega-Kel-P provides the nutrient boost needed to optimise plant growth, fruit quality and size and improve yields.

Mega-Kel-P enhances root growth within days of application, generating a foliage flush which in turn improves fruit retention and size. Regular applications should be timed with key physiological growth stages such as flowering and fruit production.

Mega-Kel-P is also ideal for managing environmental stress either by pre-conditioning or post-stress applications. In these situations, Mega-Kel-P will force root production and kick start photosynthesis, thus minimising the impact on yield.

BENEFITS

Plants treated with Mega-Kel-P typically initiate a flush of root growth which triggers the following to occur:

- Increased root area increases the plant's ability to access more water and nutrients in the soil and the rate of uptake.
- Stimulation of the plant to produce root exudates which stimulate biological activity in the root zone, improving the plant's ability to access macro nutrients and trace elements.
- An increase in carbohydrate production which the plant can then utilize for critical processes such as leaf growth, flower retention, fruit set or fruit sizing.
- Improvement in stress resilience with increased speed of recovery following stress events such as heat, cold, waterlogging or moisture stress.

KEY CROPS

- TREE NUTS
- GRAPES
- AVOCADO
- BERRIES
- CITRUS
- POTATO
- TOMATO

Typical Analysis	% (wt/vol)
Nitrogen (N)	4.00
Phosphorous (P)	9.00
Potassium (K)	2.10
Sulphur (S)	2.70
Manganese (Mn) EDTA	1.90
Magnesium (Mg)	1.30
Zinc (Zn) EDTA	1.30
Boron (B)	0.22
Copper (Cu) EDTA	0.23
Iron (Fe) EDTA	0.18
Molybdenum (Mo)	0.03
Cobalt (Co)	0.02
Amino Acids	
Seaweed	
Fulvic Acids	
Biostimulants	
Uptake enhancers	
Partical size	<180 micron
pH	<3.0
Specific Gravity	1.30

PROVEN PERFORMER

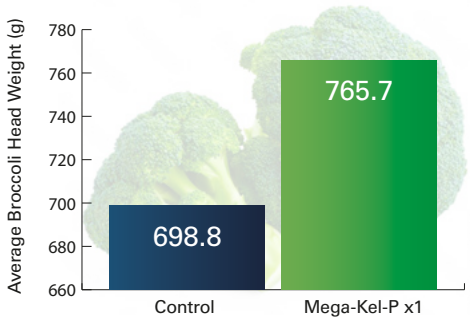
Mega-Kel-P has been proven in Australia over decades to improve plant health, increase cell division, enhance nutrient availability, stimulate impressive root production, improve fruit set, retention and sizing.

VEGETABLES

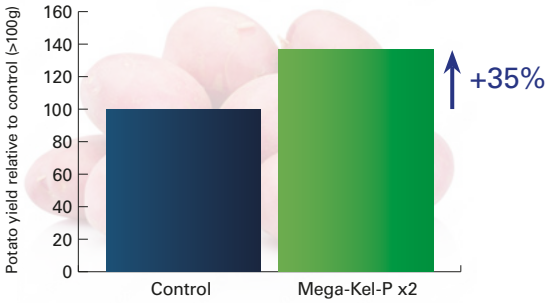
Mega-Kel-P is used across a wide variety of vegetable crops. A small-plot trial in East Gippsland, Victoria, showed an increase in broccoli yield after just 1 foliar application.

In potatoes yield of tubers (>100mm diameter) was increased by 36% compared to the control following two applications of Mega-Kel-P.

EGVID - BAIRNSDALE BROCCOLI TRIAL



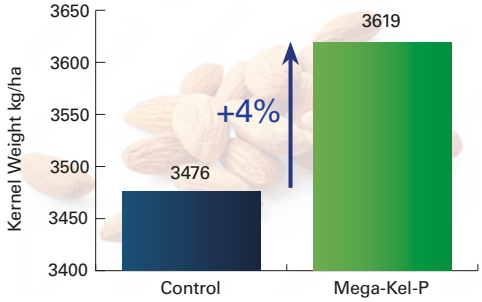
RELATIVE INCREASE IN POTATO YIELD OVER CONTROL FROM 2 APPLICATIONS OF MEGA-KEL-P



TREE CROPS

Mega-Kel-P has been proven, both in trials and in commercial operations, to improve plant health, flowering, fruit-set, retention and sizing in tree crops including nuts, citrus, avocado and macadamia.

MEGA-KEL-P ON ALMONDS - ROBINVALE AUSTRALIA 2016/18



MEGA-KEL-P ON WALNUTS - TABBITA AUSTRALIA 2018/19

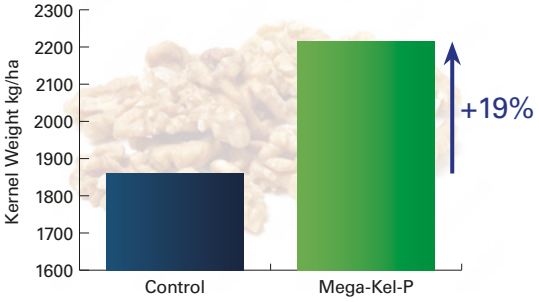
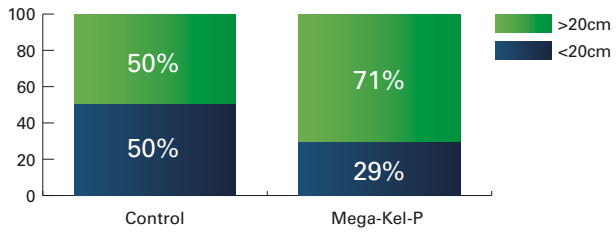


TABLE GRAPES

Two early applications of Mega-Kel-P as a foliar significantly increased bunch stretching, reducing the percentage of bunches less than 20cm.

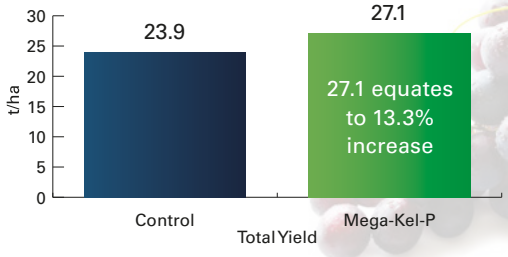
MEGA-KEL-P - IMPACT ON BUNCH SIZE IN TABLEGRAPES - MERBEIN VIC.



WARM CLIMATE WINE GRAPES

Mega-Kel-P applied twice at early growth stages resulted in a yield increase of 13.4%.

MEGA-KEL-P ON SHIRAZ WINE GRAPES, WAIKERE SA, 2015-16



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Crop Use	Application Comments	Rate per ha and water volume
Field Crops (Broadacre)	Apply as a foliar spray. Apply when plants have sufficient leaf area.	3-5L/ha in a minimum of 50 litres water/hectare
Deciduous Fruit Trees	Apply after leaves have emerged and when enough leaves are available for nutrient uptake. Apply once every two weeks for the first two months and once every month thereafter.	5-10L/ha in a minimum of 1000 litres water/ hectare
Bearing Apples and Pears	Apply after leaves have emerged and when enough leaves are available for nutrient uptake. Second application to start 14 days later and once every month thereafter.	5-10L/ha in a minimum of 1000 litres water/ hectare
Avocados, Citrus and Mangos	Apply once prior to flowering. Repeat 3 – 5 times fortnightly.	5-10L/ha in a minimum of 1000 litres water/ hectare
Stonefruit	First application at 90% petal drop. Repeat every 2 – 3 weeks.	5-10L/ha in a minimum of 1000 litres water/ hectare
Vegetables	Foliar application 2 – 3 weeks during growing season.	5-10L/ha in 1% solution
Wine and Table Grapes	First application at the EL12 (10cm growth) stage followed by an application on EL17 (twelve leaves). Further applications at EL27 (end of flowering) and EL31 (berries pea size) can improve energy levels and fruit quality. Apply two applications two weeks apart post-harvest.	5-10L/ha in a minimum of 500 litres of water /Ha
Seedlings	To encourage rapid growth and reduce transplant shock. Apply by boom spray or high-volume hand sprayer or waterwheel application. Apply to seedling trays as a drench or foliar spray 2-7 days before transplanting. Repeat at planting.	Boom spray 3-5L/ha in a minimum of 50 litres water/ hectare Hand held sprayer or waterwheel use 1% solution
Cotton	Early establishment or late development at times of stress to improve fruit retention.	3-5L/ha in a minimum of 50 litres water/ hectare
Strawberries	Use as a pre-plant dip solution to eliminate transplant shock. Apply as a monthly foliar at 5 – 7L per hectare or fortnightly in times of stress, water logging etc.	Pre-plant dip at 1% concentration Boom spray 5-7L/ha in a minimum of 50 litres water/ hectare.
Sugar Cane	Apply with billet planter	5-7L/ha or 1% solution

For more information contact your closest Omnia Specialist Agronomist or visit www.omnia.com.au

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