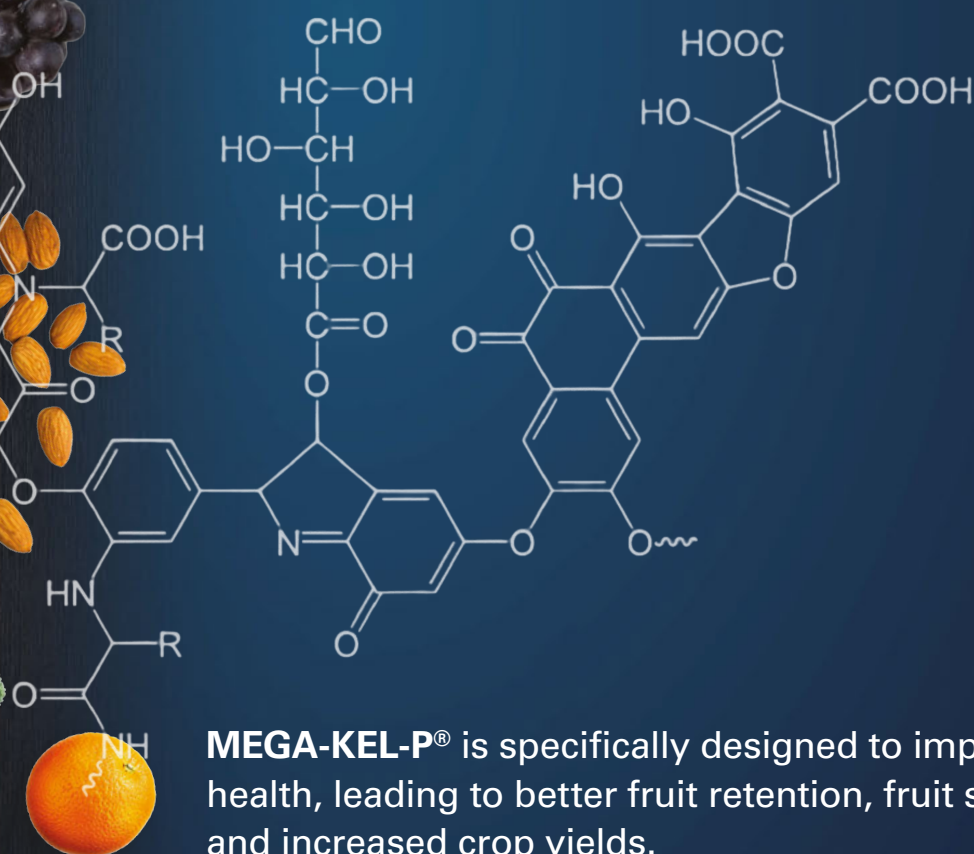




# Energize your crops with **MEGA-KEL-P®**



**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 organic acids. When combined these minerals and organic extracts stimulate energy production and build stress resilience in crops.

## APPLICATION

Applied as a foliar spray at specific stages of crop development, MEGA-KEL-P® provides the nutrient boost needed to optimize 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 minimizing 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
- AVOCADO
- CITRUS
- TOMATO
- TURF & ORNAMENTALS
- VEGETABLES
- GRAPES
- BERRIES
- POTATO
- ROW CROPS

### Typical Analysis

(w/w) %

Nitrogen (N)	3.00
(P <sub>2</sub> O <sub>5</sub> )	16.00
(K <sub>2</sub> O)	2.00
Sulphur (S)	2.00
Manganese (Mn) (as EDTA)	1.30
Magnesium (Mg)	0.60
Zinc (Zn) (as EDTA)	0.70
Boron (B)	0.15
Copper (Cu) (as EDTA)	0.15
Iron (Fe) (as EDTA)	0.10
Molybdenum (Mo)	0.02
Cobalt (Co)	0.01
pH	<3.0
Specific Gravity	1.30

Contains amino acids and growth enhancing compounds from Sea Kelp.

# PROVEN PERFORMER

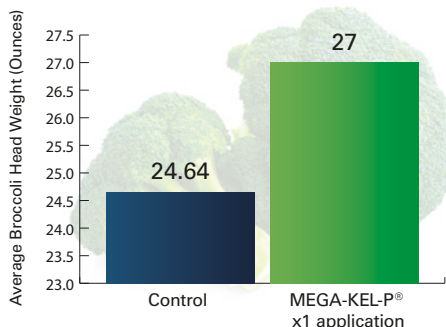
MEGA-KEL-P® has been proven in Australia over decades to improve plant health, increase cell division, enhance nutrient availability, stimulate impressive root production, improve fruit set, retention and sizing.

## VEGETABLES

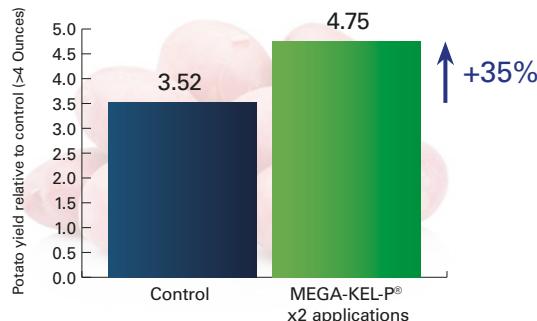
MEGA-KEL-P® is used across a wide variety of vegetable crops. A small-plot trial in East Gippsland, Victoria, showed an increase in broccoli yield after just 1 foliar application.

In potatoes yield of tubers (>4 inches diameter) was increased by 36% compared to the control following two applications of MEGA-KEL-P®.

### EGVID - BAIRNSDALE BROCCOLI TRIAL



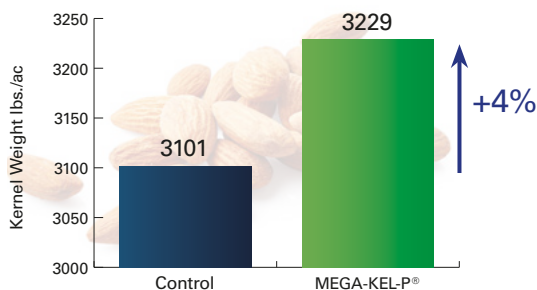
### RELATIVE INCREASE IN POTATO YIELD OVER CONTROL FROM 2 APPLICATIONS OF MEGA-KEL-P



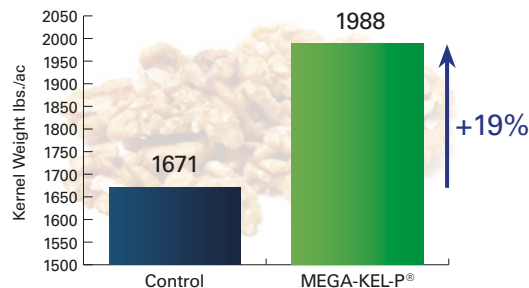
## TREE CROPS

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



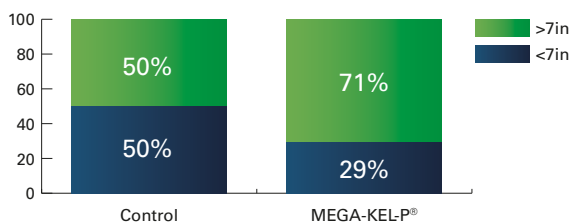
### MEGA-KEL-P® ON WALNUTS - TABBITA AUSTRALIA 2018/19



## TABLE GRAPES

Two early applications of MEGA-KEL-P® as a foliar significantly increased bunch stretching, reducing the percentage of bunches less than 7 inches.

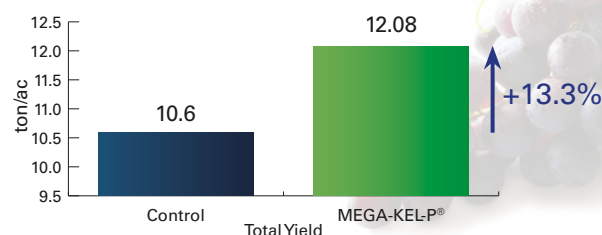
### MEGA-KEL-P - IMPACT ON BUNCH SIZE IN TABLEGRAPES - MERBEIN VICTORIA.



## 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 SOUTH AUSTRALIA, 2015-16





Crop Use	Application Comments	Rate per acre and water volume
Field Crops (Broadacre)	Apply as a foliar spray. Apply when plants have sufficient leaf area.	0.5 gallon in a minimum of 5 gallons water / acre
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.	0.5 - 1 gallon in a minimum of 100 gallons water/ acre
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.	0.5 - 1 gallon in a minimum of 100 gallons water/ acre
Avocados, Citrus and Mangos	Apply once prior to flowering. Repeat in 2 – 3 week intervals.	0.5 - 1 gallon in a minimum of 100 gallons water/ acre
Stonefruit	First application at 90% petal drop. Repeat every 2 – 3 weeks.	0.5 - 1 gallon in a minimum of 100 gallons water / acre
Vegetables	Foliar application 2 – 3 weeks during growing season.	0.5 - 1 gallon in 1% solution
Wine and Table Grapes	First application at 6 - 8 inches of shoot length. Applications in 3 – 4-week intervals at flowering initiation and then at berry pea size can improve energy levels and fruit quality. Apply two applications two weeks apart post- harvest.	0.5 - 1 gallon in a minimum of 50 gallons water / acre
Seedling & Transplants	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 0.5 - 1 gallon per acre in a minimum of 5 gallons water / acre Hand held sprayer or waterwheel use 1% solution
Cotton	Early establishment or late development at times of stress to improve fruit retention.	0.5 - 1 gallon in a minimum of 5 gallons water / acre
Strawberries	Apply as a monthly foliar at 1 - 1.5 gallons per acre or in two-week intervals in times of stress.	Pre-plant dip at 1% concentration Boom spray 1 - 1.5 gallons in a minimum of 5 gallons water / acre
Sugar Cane	Apply with billet planter	0.5 - 1 gallon / acre or 1% solution
Almonds	First application at 90% petal drop. Repeat every 2 – 3 weeks until stone hardening.	0.5 - 1 gallon / acre in a minimum of 100 gallons water / acre
Pistachios/ Walnuts/Pecans	First application at early leaf out. Repeat every 2-3 weeks until stone hardening	0.5 - 1 gallon acre in a minimum of 100 gallons water / acre

**For more information contact your closest  
Omnia Regional Representative or visit [omniausa.org](https://omniausa.org)**

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