

Horticulture

Movax™ is an advanced foliar spray containing our patented Alethea™ technology. This helps plants cope with abiotic stress and increases marketable yield.



Benefits of Movax

- ✓ Increases marketable yield
- ✓ Enhances antioxidant production in crops
- ✓ Enables resilience to abiotic stress
- ✓ Improves crop storage
- ✓ Delivered in a micronutrient package

Nutrient content of Movax*

Nutrient	% w/w	g/L
Zinc	2.2	25.3
Manganese	1	11.5
Nitrogen	0.85	9.8
Iron	0.7	8.1
Magnesium	0.3	3.5
Copper	0.18	2.1
Boron*	0.025	0.3

*Boron free Movax formulation also available. Formulations can vary by region.

Movax increases marketable yield in strawberry

In a UK field trial, Movax increased strawberry fruit weight per plant by 10%, or 110 g, throughout the season (Figure 1). Much of this yield uplift was due to an increase in class-one fruit. Movax also maintained yield, with a 35% uplift in the final four harvests.

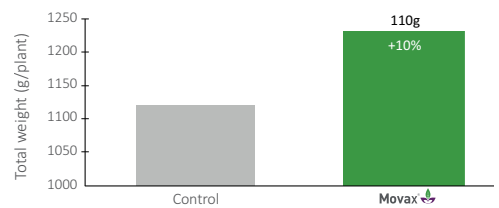


Figure 1: Field trial data in the UK showing the effect of Movax on strawberry yield

Alethea™ Abiotic stress resistance technology

When plants experience abiotic stress it causes an increase in harmful reactive oxygen species (ROS) inside cells. Alethea is an anti-stress technology which increases the production of antioxidants which can neutralise ROS. This makes plants more resilient to environmental stress.

Movax enables resilience to abiotic stress

During this strawberry field trial, two noticeable temperature peaks occurred, with maximum temperatures surpassing 30°C. Following these temperature peaks, strawberry yield from plants treated with Movax was higher than in the control group (Figure 2), indicating that Movax also enhanced resilience to heat stress.

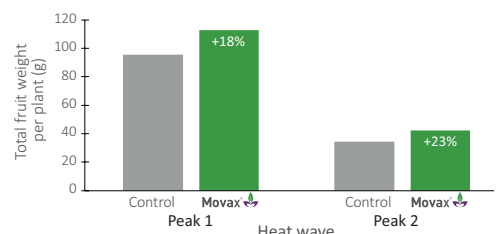


Figure 2: Field trial data showing Movax maintained strawberry yield even after temperature peaks (>30°C).

Movax improves fruit storage

Post harvest analysis of strawberry fruit showed that Movax maintained fruit quality after storage (5 days at 17.5°C), whilst fruit from the control plot deteriorated over the same period (Figure 3). Other experiments showed that after 4 days of storage, fruit respiration was 15% lower in fruits from Movax treated plants (Figure 4). This may also explain how Movax reduced individual fruit weight loss by 21% and total fruit waste by 11%.

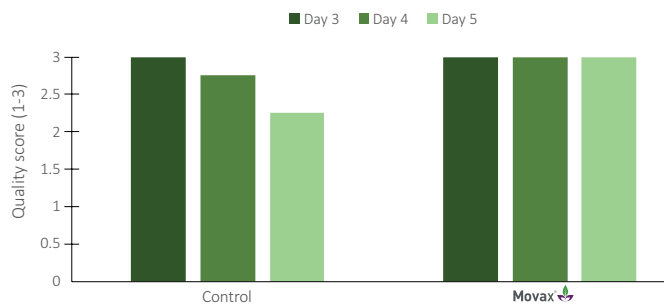


Figure 3: Field trial data showing Movax improved fruit quality after storage

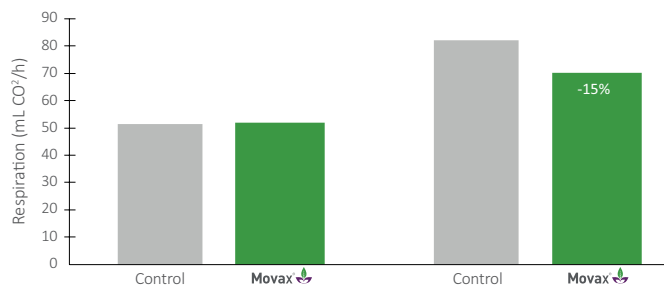


Figure 4: Data showing the effect of Movax on fruit respiration rate

Movax increases marketable yield in macadamia

Movax also proved effective on macadamia, increasing marketable yield in a South Africa field trial by 3.5% or 392 g per tree (Figure 5). The yield increase was explained by increased flower number and a statistically significant ($P < 0.05$) increase in nut number compared to the control.

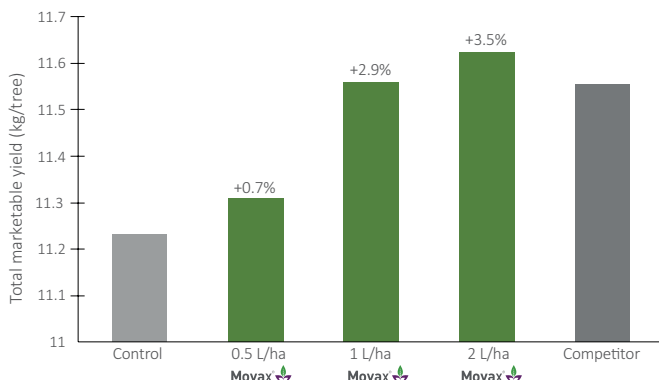


Figure 5: Field trial data in South Africa showing the effect of Movax on Macadamia yield



Directions for use

Shake well before use. Applying Movax in a minimum 300 litres of water per hectare is recommended. The table below indicates application rates and timings. Movax can also be applied prior to an expected abiotic stress episode, or to help protect sensitive growth stages, such as flowering. For more detailed advice, consult your agronomist.

Crop	Rate	Spray timing
Fruit (including soft fruit, top fruit, tropical fruit)	1- 2 L/ha	Every 2-3 weeks starting from flowering or as required to protect from abiotic stress
Vegetables, root crops, leafy salads	1- 2 L/ha	Every 2-3 weeks starting from flowering, as early as 3rd true leaf stage or prior to an expected abiotic stress episode
Broadacre, oil and legumes	1 L/ha	Apply at flowering/early pod set, or prior to expected abiotic stress episode
Turf	1 L/ha	Apply as required

Tank mix

Movax is compatible with most herbicides, fungicides, insecticides, adjuvants and foliar fertilizers. Always conduct a jar test before use to ensure physical compatibility. Avoid mixing with products containing high levels of dissolved calcium.



Find more information on our Alethea products at:

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www.linkedin.com/company/plant-impact/



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