

# MARTELO™

With PSI® Technology



## UNLOCKING NATURE'S POTENTIAL

**An innovative bio-catalyst that naturally ignites plant resilience to cold and heat stress in all horticultural crops**



**MARTELO utilises the power of PSI® technology to:**

- fortify plants to better combat heat stress
- minimise frost damage and aid recovery
- maximise flower set and retention
- improve pollen numbers and viability
- reinvigorate soil and boost bio-activity



MARTELO is compatible with most pesticides and fertilisers including calcium; and is organically certified.



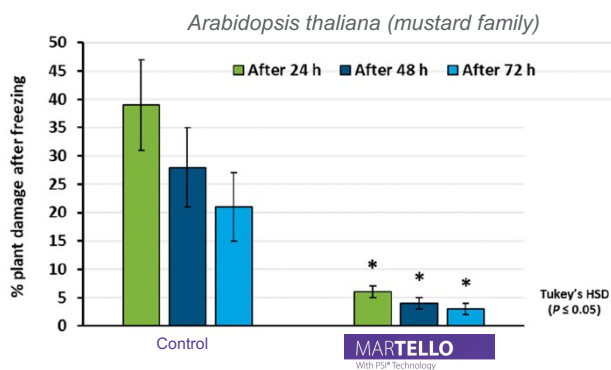
*Sustainable - Innovative - Solutions*

MARTELLO is an organic bio-catalyst sourced sustainably from nature and scientifically enhanced by PSI® (Plant Signal Induction) technology. MARTELLO is manufactured through a patented proprietary process of aqueous hydrolysis. This delivers a formulation providing a unique mode of action that triggers the plants' natural physiological and metabolic processes, igniting a plants ability to better defend itself against cold and heat stress and other CropShock® events, as well as improving pollen viability, flowering, fruit set, quality and yield.

## MARTELLO Mode of Action

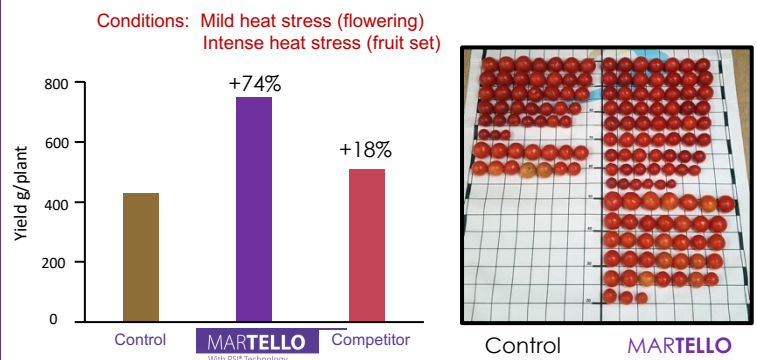
- Triggers production of protective sugars as well as cold & heat shock proteins.
- Activates osmoprotectants & strengthens cell wall integrity.
- Primes the physiological and metabolic pathways beefing up plant tolerance to stress.
- Protects leaf function thus optimizing photosynthetic activity.
- Improves root functionality and generates soil microbial activity.

### MARTELLO : Plant recovery after heavy frost event



Treated 24h before frost event (2 L/Ha, foliar)  
 Temperature for 24h @ -7°C following treatment  
 Following 72h @ 22°C

### MARTELLO : Tomato heat stress tolerance comparison



MARTELLO – Applied at 1 L/Ha  
 Competitor – Applied at 3 L/Ha

Treatment: 4 application times at transplant, flowering, fruit set and fruit filling.

Applying Martello to Avocados in Mareeba, Qld, to invigorate flower retention, pollen viability and fruit set.



#### Application guide:

- Best applied before a stress event
- Apply 1.0 - 2.0 Litres/ha per treatment
- MARTELLO is pH stable- 4.8 - 6.0
- Apply pre-bloom to petal fall, and again from fruit set to fruit fill
- Compatible with most fertilisers including calcium, insecticides and fungicides (*jar test recommended before tank mixing*)
- Add Flexstic® to enhance spreading, uptake and translocation

# Say hello MARTELLO...and goodbye to 'CropShock!'

