

PROTECTING MARKETABLE
YIELD CAPACITY THROUGH
INCREASED ABIOTIC STRESS
TOLERANCE



MARTELLO®

With PSI® Technology



At Brandon Bioscience, we get the best from what nature provides while preserving and concentrating its power. Our approach uniquely balances the chemistry of our raw materials with our production processes and plant biology to achieve unprecedented quality control. The success of our PSI[®] Technology platform is built from 5 interrelated pillars.



- Novel Marine Bioactives**
 Deep raw material knowledge.
- Proprietary Extraction Processes**
 Scientifically validated optimized extraction.
- Physicochemical Analysis**
 Scientifically validated product consistency.
- Bioactivity Analysis**
 Scientifically validated modes of action in well-known plant models.
- Field Performance**
 Scientifically validated crop field data.

By optimising these five components, we create effective solutions, like MARTELLO[®], that provide better performance and reliability consistently.





ABOUT MARTELLO

Looking to maximise your marketable yield during periods of high abiotic stress?

MARTELLO[®] is a premium PSI[®] Technology backed biostimulant specially formulated to increase tolerance to abiotic stress and optimise crop health. With unique modes of action under stresses like heat, salinity, and drought, MARTELLO[®] helps crops thrive during challenging conditions.


EXTRACTION MATTERS

Our biostimulants are produced using proprietary hot extraction processes which allows us to unlock the bioactivity within our extracts. The extraction process used to create MARTELLO[®] ensures the maximum number of eliciting bioactives are released for maximum performance against abiotic stresses.

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 AQUEOUS EXTRACT of *Ascophyllum nodosum* at 36% concentration (360g/l)
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 Cold Filtered for less insolubles
- 
 2:1 Organic to Inorganic ratio
- 
 pH 4.8-6

SUITABLE FOR ORGANIC

MARTELLO[®] is suitable for use in organic farming. Our commitment to these organic standards not only benefits our customers but also helps protect the environment. When you choose MARTELLO[®], you can trust that you are making a sustainable and responsible choice

		
Control by ECOCERT F-32600	Product authorized in organic farming in accordance with the Standard UNE 142500 (CAAE controlled)	Product listed by OMRI for use in organic production

MODE OF ACTION



Accumulates thermos protective sugars & heat shock proteins in flowers



Improved carbon & nitrogen metabolism under stressed conditions



Increased pollen viability & improved fruit set



Increased abiotic stress tolerance & greater yield retention

COMPATABILITY

MARTELLO® offers great compatibility with calcium and acidic mix partners with a pH lower than 4. This makes it easy to use with other mix partners that have a slightly acidic pH range of 4.5-6.0, without the need for pH adjustment.

EASY TO MEASURE, POUR & STORE

MARTELLO®'s high concentration means a lower application rate. This means less packaging, less transportation costs, and less storage space utilised.

AVAILABLE IN



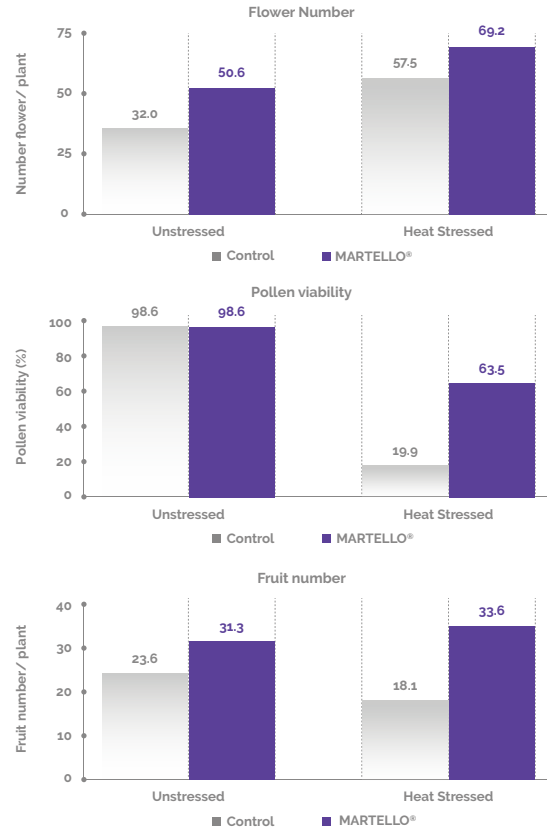
5L

10L



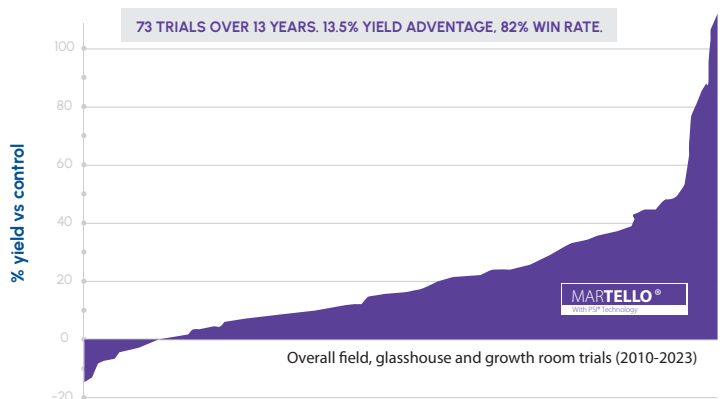
PROVEN IN FIELD

We understand that the most critical factor for our customers is performance. We continue to ensure that we capture and analyse data from every MARTELLO® trial, allowing us to refine and perfect our products over time. With our proven track record of efficacy and performance, you can trust that our products will deliver the results you need, every time.






Before being released for commercial use, MARTELLO® undergoes quality assurance testing in our labs and is trialled in controlled environments to validate its efficacy.

To target the negative effects of periods of high temperatures during the important reproductive stage, we evaluate the potential of MARTELLO® in improving fruit set in tomato plants under both unstressed (27/22°C) and heat stressed conditions (31/24°C). MARTELLO® not only increased total fruit number under unstressed conditions, providing also higher fruit yields under chronic heat stress conditions. This retention of crop productivity was obtained increasing the number of flowers and activating thermotolerance responses that improve the fraction of pollen viable and guarantee post-pollination processes such as pollen tube growth or fertilization (see Carmody et al., 2019).



DIRECTIONS FOR USE

Method of Application	Crop	Dosage Foliar (L/ha)	Dosage Soil (L/ha)	Application Time
 Foliar	 Tree Fruits	1.0 - 2.0	2.0 - 3.0	Pre-flowering, post-flowering, fruit development and in all cases of plant growth cessation
	 Tree Nuts	1.0 - 2.0	2.0 - 3.0	Pre-flowering, post-flowering, fruit development and in all cases of plant growth cessation
	 Soft Fruits	1.0 - 2.0	2.0 - 3.0	21 days after transplant and every 15 days thereafter
 Soil	 Vegetables	1.0 - 2.0	2.0 - 3.0	21 days after transplant and every 15 days thereafter
	 Grapes	1.0 - 2.0	2.0 - 3.0	50% flowering, berry set, 2-3 weeks later and in all cases of plant cessation
	 Cereals	1.0 - 2.0	2.0 - 3.0	1-2 applications during growth cycle in case of high abiotic stresses such as heat Stress >35°C

UNRIVALLED TECHNICAL SUPPORT

With our unrivalled technical support, we help in transferring our agronomic expertise and knowledge to customers & growers so that they can get the most out of MARTELLO®. We employ the right people with the skills and knowledge in the right places to deliver smart & efficient solutions.

Working with strategic partners in key regions, we deliver MARTELLO® globally. To enquire about our distribution partners in a specific country or to connect with our team, please do not hesitate to contact us.



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