DELIVERING BALANCED GROWTH TO MAXIMISE YIELD & QUALITY FOR GROWERS

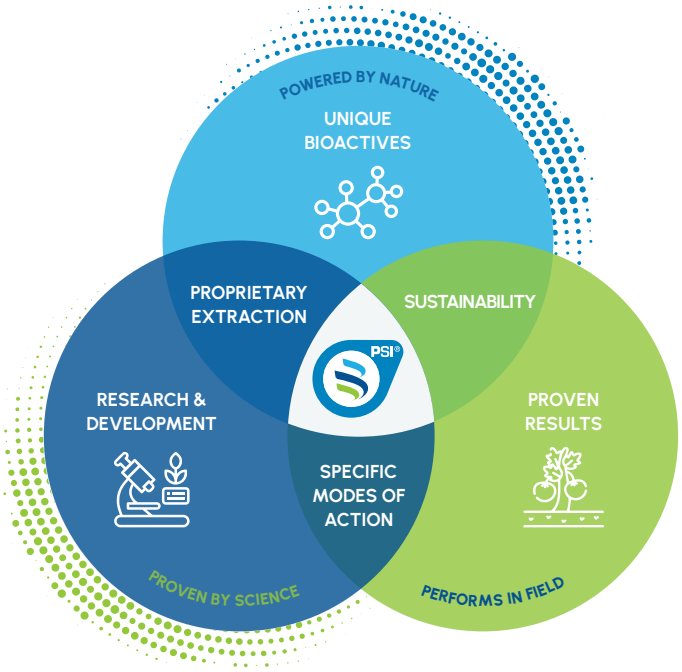
BARRA**MAR®**

With PSI® Technology

BRANDON
BIOSCIENCE

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 that provide better performance and reliability, consistently.

ABOUT BARRAMAR

BARRAMAR® is a premium PSI® Technology backed biostimulant that is designed to deliver improved crop yield and quality through higher nutrient use efficiency and abiotic stress tolerance.

- ALKALINE EXTRACT of *Ascophyllum nodosum*
- 100% *Ascophyllum nodosum*, the industry standard at 48% concentration (480g/l)
- 1:1 Organic to Inorganic Ratio
- pH 8-10

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 BARRAMAR® ensures the maximum number of eliciting bioactives are released for maximum performance & balanced growth.

SUITABLE FOR ORGANIC

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

Approved by ECOCERT INPUTS
Control by ECOCERT F-32600

CAAE INSUMOS UNE
Product authorized in organic farming in accordance with the Standard UNE 142500 (CAAE controlled)

OMRI LISTED For Organic Use
Product listed by OMRI for use in organic production

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MODE OF ACTION

Coordinate overexpression of genes involved in macro- and micronutrient uptake and assimilation with stronger root development. It induces a more efficient use of these nutrients, promoting new growth.

Builds tolerance to abiotic stressors, improving growth efficiency.

Enhances carbon fixation, photosynthesis and carbohydrate synthesis pathways, building yield capacity.

MICRONUTIRENT USE EFFIENCY

Micronutrients such as iron, zinc, manganese, boron, copper, and molybdenum regulate essential plant processes such as photosynthesis, respiration, enzyme activation, and nitrogen assimilation. BARRAMAR® improves crop quality markers related to more efficient micronutrient use efficiency including higher soluble solids content and decreased concentration of titratable acidity.

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

EASY TO MEASURE, POUR & STORE

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

AVAILABLE IN

5L

10L

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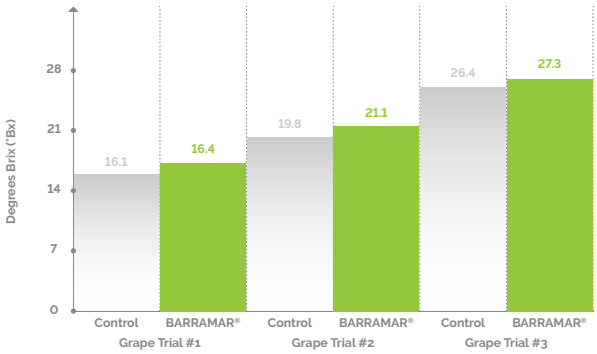
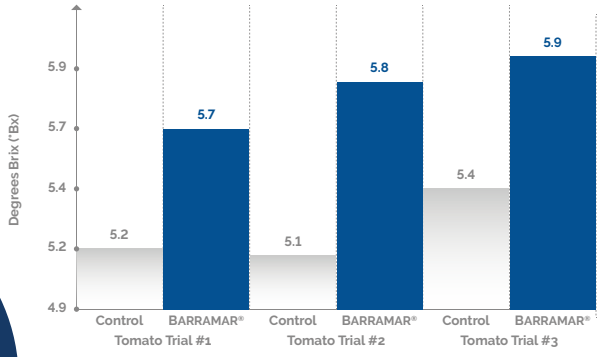
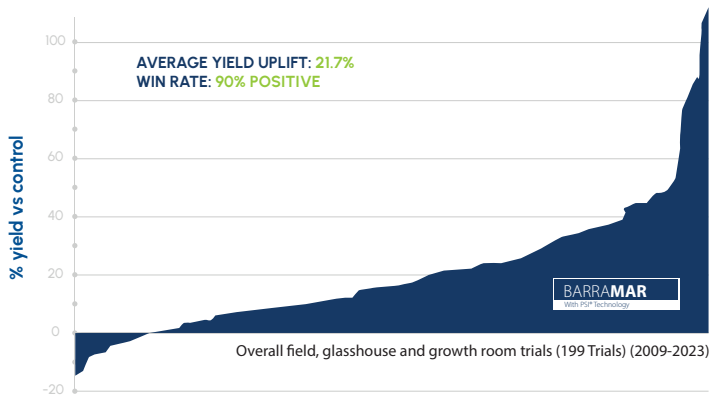
PROVEN IN FIELD

We understand that the most critical factor for our customers is performance. We continue to ensure that we capture and analyse data from every BARRAMAR® 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.





Enhanced °Brix content is a well-known factor reflecting sweetness, which will influence the degree of marketability of the harvested crop and the final acceptance by buyers and consumers. Over the past several years, Brandon Bioscience has conducted a significant number of trials looking at the effect of BARRAMAR® with PSI® Technology in enhancing this functional fruit quality marker. In these trials we consistently saw improved °Brix content in different fruit and vegetable crop species of up to 20%, representing an additional benefit to the observed crop yield enhancement.



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	Vegetative growth stages, flowering, fruit set, fruit development, and fruit ripening
	Tree Nuts	1.0 - 2.0	2.0 - 3.0	Vegetative growth stages, flowering, fruit set, fruit development, and fruit ripening
	Soft Fruits	1.0 - 2.0	2.0 - 3.0	Transplanting, vegetative growth stages, flowering, fruit set, fruit development, and fruit ripening
Soil	Vegetables	1.0 - 2.0	2.0 - 3.0	Transplanting, vegetative growth stages, flowering, fruit set, fruit development, and fruit ripening
	Grapes	1.0 - 2.0	2.0 - 3.0	Vegetative growth stages, flowering, fruit set, fruit development, and fruit ripening
	Cereals	0.5 - 1.0	1.0 - 2.0	1 - 3 applications from leaf development to booting stage

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 BARRAMAR®. 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 **BARRAMAR®** 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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