

biostimulants



WHAT ARE BIOSTIMULANTS?

With such a polluted market today, it seems that almost anything is being labelled a Biostimulant, but what exactly are Biostimulants?

Plant Biostimulants when applied to crops or the soil stimulate natural processes to enhance nutrient uptake, nutrient use efficiency, plant tolerance to abiotic stress, crop quality and most importantly, Biostimulants have no direct action against pests.

Tradecorp have a range of products formulated with L-α free Amino Acids and hand harvested and cold extracted *Ascophyllum nodosum* seaweed kelp.

HOW DO OUR BIOSTIMULANTS WORK?

Plants require Amino Acids for protein and DNA synthesis among others. In the plant, Amino Acid production requires energy, but by applying Amino Acids from an external source, plant energy can be saved which can avoid the disruption of normal plant functions and increase the plants ability to combat abiotic stress. Out of all Amino Acids on the market, only L-α free Amino Acids are useful to the plant as they are unbound and also the smallest size meaning maximum absorption through the leaf.

Ascophyllum nodosum is a kelp species that grows in the cold waters of the far North Atlantic Ocean. This species has the highest content of active ingredients compared to other kelps growing in the southern oceans and Pacific. *Ascophyllum nodosum* grows under extreme wet/dry tidal conditions and as such develops a naturally high level of Fucoidans, Laminarins, Mannitol and Polyphenol. These active ingredients are preserved through our cold extraction process and can then be applied to your crop. Many other products on the market use high temperatures and harsh alkaline chemicals to process their kelp leaving little to no active bioingredients.

WHAT MAKES OUR BIOSTIMULANTS DIFFERENT?

– There is a lot of confusion today when it comes to biostimulants in agriculture, especially in Australia where there are many pop-up operators with their own silver bullet products all claiming to be better than the last one.

– **Tradecorp** has been a player in the biostimulants market right from the start, so we have a proven track record when it comes to this. Decades of R&D along with thousands of field trials have proven that **Tradecorp** products work and they also contain what they say they do.

– To add to our reputation, **Tradecorp** was actually a founding member of the **European Biostimulants Industry Council (EBIC)**. This is one of the worlds leading groups when it comes to biostimulants and only the world's most reputable companies with proven and tested products are members.

– On top of this we can actually tell you what is in our products and how they work. We have no veils with things like 'proprietary blends', all our active ingredients are there for you to see. Combined with our technical staff who are continuing to trial our products under Australian conditions, you can rest assured that **Tradecorp** can bring you the most reliable and effective biostimulant package.

INNOVATION & BIOSTIMULANTS



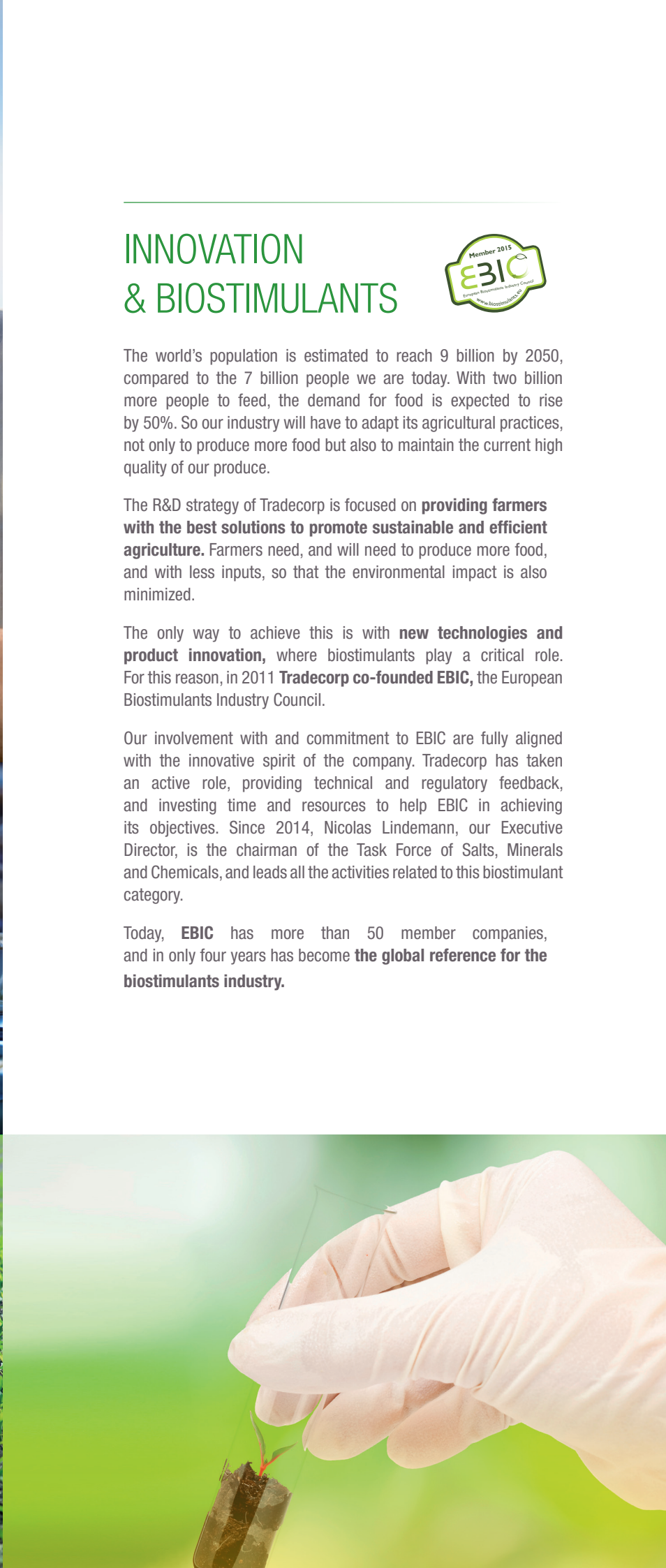
The world's population is estimated to reach 9 billion by 2050, compared to the 7 billion people we are today. With two billion more people to feed, the demand for food is expected to rise by 50%. So our industry will have to adapt its agricultural practices, not only to produce more food but also to maintain the current high quality of our produce.

The R&D strategy of Tradecorp is focused on **providing farmers with the best solutions to promote sustainable and efficient agriculture**. Farmers need, and will need to produce more food, and with less inputs, so that the environmental impact is also minimized.

The only way to achieve this is with **new technologies and product innovation**, where biostimulants play a critical role. For this reason, in 2011 **Tradecorp co-founded EBIC**, the European Biostimulants Industry Council.

Our involvement with and commitment to EBIC are fully aligned with the innovative spirit of the company. Tradecorp has taken an active role, providing technical and regulatory feedback, and investing time and resources to help EBIC in achieving its objectives. Since 2014, Nicolas Lindemann, our Executive Director, is the chairman of the Task Force of Salts, Minerals and Chemicals, and leads all the activities related to this biostimulant category.

Today, **EBIC** has more than 50 member companies, and in only four years has become **the global reference for the biostimulants industry**.



CATALOGUE OF BIOSTIMULANTS

The products in our Australian range:

- Encourage the physiological processes of plants in critical periods of crop development
- Improve the absorption of nutrients and their effectiveness
- Enhance tolerance to abiotic stress

Amino acids range

Our range of amino acids is based on **100% biologically active L- α -Amino Acids**, the key to stimulating all biological processes in plants.

delfan plus

Highly concentrated **L- α free Amino Acid** plant stress reliever for improved crop production



boramin Ca

High efficiency Calcium and Boron complexed with **L- α free Amino Acids** for enhanced uptake and translocation



aton Mo

Enhanced efficiency Molybdenum (Mo) fertiliser complexed with **L- α free Amino Acids** for enhanced uptake



intake

NPK, **L- α free Amino Acids** and EDTA micronutrients formulated as a complete premium fertiliser for use from emergence until flowering



Phylgreen range

Phylgreen is a unique range of Tradecorp biostimulants based on ***Ascophyllum nodosum* extract**. Unlike many other biostimulants on the market, Phylgreen range is natural, sustainable and, thanks to the exclusive Gentle Extraction method, preserves the original active bioingredients of seaweeds.

phylgreen 200

Potent cold extracted *Ascophyllum nodosum* seaweed biostimulant



If you would like to have more information about Tradecorp Biostimulants or about our studies and trials, contact your local Tradecorp representative or australia@tradecorp.sapec.pt