



Knowledge grows

# YaraVita™

Enhancing Crop Performance



# YaraVita™

Specialized nutrition and biostimulants for enhanced crop performance.



The YaraVita range of products includes secondary, macro and micro nutrients, coatings for seeds and fertilizers, and biostimulants.

All of the products in the YaraVita category complement both Yara's dry applied fertilizers and Yara's water-soluble products (for fertigation). YaraVita products enhance the performance of the crop by supplying the right nutrients and/or bioactive compound at the most effective rate and at the right time during the growing season.

The YaraVita product portfolio is categorized into 3 groups, **Biostimulants**, **Foliar Nutrition**, and **Coatings for fertilizers and seeds**.

## Biostimulants

Biostimulants improve nutrient use efficiency and crop quality by stimulating the natural processes in plants when they need it the most. This allows plants to achieve optimal yields in situations where the environmental conditions are not ideal, enabling farmers to be both profitable and sustainable.

**BIOTRYG**, Yara's Biostimulant technology complements YaraVita's complete portfolio of nutrient products and is present in a wide range of products.

## Foliar Nutrition

In this category, Yara divides the portfolio according to different farmer and crop needs:

**Foliar Energy:** These are liquid foliar fertilizers that contain a high-concentration of phosphate combined with other nutrients. The foliar application of phosphate gives an 'energy boost' to the crop. These products increase nutrient use efficiency, stimulate the growth of roots and consequently shoots, improve fruit quality, and extend P sufficiency and extend P sufficiency.

**Sustained Nutrition:** These products are formulated with different particle sizes. The size of a particle affects the time (amount of days) that the plant receives nutrients. The smaller particles are broken down and taken up quickly by the plant, the larger particles feed over a longer period of time. These products offer a very high concentration of nutrients allowing for lower application rates.

**Crop Specifics:** YaraVita Crop Specific products ensure that there are no nutrient deficiencies while the plant/crop is developing. Crop specific products give a balanced combination of nutrients specifically designed for specific crops in an easy to use one can formulation.

**Foliar Feeding:** Foliar Feeding products prevent, cure, and ensure sufficient nutrients to the crop during the growing season. Nutrients are available in singular form.



## Coatings for fertilizers and seeds

At Yara, we combine our strong knowledge in agriculture and plant nutrition to formulate high quality products specifically for coating fertilizers and seeds.

a) **YaraVita PROCOTE:** Yara's Fertilizer Coating that provides micronutrients for each fertilizer granule, in a formulation that reduces dust formation. Thus providing balanced nutrition and a fertilizer with a better physical quality.

b) **YaraVita seed coatings:** YaraVita seed treatment solutions provide key micronutrients and biostimulants to improve crop establishment, helping plants express the genetic potential of each seed. Through Synergize technology our formulations reduce dust formation and improve plantability. In addition to being very versatile formulations in association with agrochemicals and friendly to inoculants.



## Yara's knowledge at your service

Every Yara agronomist and sales representative in each market is part of a global network of crop nutrition experts. With Yara, farmers reap the benefits of more than 50 years of global agronomic knowledge and expertise in the segments of biostimulants, foliar, and micronutrients, as well as more than 100 years of agronomic knowledge of crops and soils. This benefits farmers by providing them with the right knowledge and right product(s) to grow a profitable yield.

**+50 years**

experience in the specialized nutrition segment



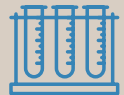
**2,000 trials**

that have been completed so far to test the quality of YaraVita products



**5 million**

soil, tissue, and water samples processed in the analytical lab



**+35 years**

continuous improvement from agronomic research and product development at Yara's global research centers



**+800 agronomists**

globally that represent Yara in all of the 64 countries where Yara is present

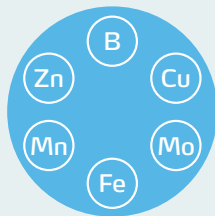


## Our Differentiation

YaraVita provides a range of specialized nutrition and biostimulants to precisely enhance crop performance.

Yara offers the most comprehensive range of crop nutrition alternatives. YaraVita products can be used to create precise solutions for crop performance needs.

The YaraVita portfolio expands to over 150 products which includes primary and secondary crop nutrients as well as micronutrients and biostimulants.

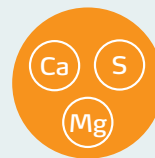


### Micronutrients

Micronutrients through foliar application enhance the growth, yield and quality of crops.

Primary

Secondary



### Macronutrients

Macronutrients are supportive to micronutrients. Both Primary and Secondary macronutrients can be part of a nutrition plan.



### Biostimulants

Biostimulants are products that contain substances and/or micro-organisms whose function when applied to plants or the rhizosphere is to stimulate natural processes independently of the product's nutrient content to enhance/benefit nutrient uptake, nutrient efficiency, tolerance to abiotic stress, yield and crop quality. (Source: IFA)



## Consistent and high-product quality

- Yara’s reliable production processes meet ISO standards for YaraVita products: ISO9001 / ISO14001 / ISO45001.
- Many YaraVita products are manufactured using pharmaceutical grade raw materials. This grading applies to the heavy metal content of the raw materials, achieving extremely low levels. Quality control checks ensure only raw materials with the correct particle size are used in YaraVita products.
- YaraVita product quality is certified by Global G.A.P (Global Agricultural Practices).
- Data from Yara’s Tank-mix (30,000 tests) confirms that YaraVita products can be mixed easily with other pesticides or agrochemicals.

YaraVita products are more than just nutrients: they are designed to enhance crop performance. When you chose YaraVita, you chose efficiency, reliability, and a product that is easy to use.



### Efficient

YaraVita products provide an effective release of nutrients for plants; supplying the plant the nutrients that it needs at the right time in the growing phase. Time, cost, and effort for the farmer can be saved by using YaraVita.



### Reliable

YaraVita products are safe for the crop and the farmer. With YaraVita, farmers can place their trust in a quality product that enhances crop performance.



### Easy to use

YaraVita products are formulated to mix easily with other pesticides or agrochemicals. The carton size and materials used are also made with consideration to sustainable packaging and storage.

## YaraVita enables farmers to increase yield without needing to increase land use



### Sustainable food production

Ensuring more food at consumer’s table

The current world-record for wheat yield is claimed by a farming family in New Zealand. They achieved a crop yield of 17.938 t/ha by including YaraVita in their crop nutrition programme.



### Sustainable food production

A crop solution that gives results

Trials conducted in Italy by the research organization LANDLAB on greenhouse tomatoes showed that Yara solution (including biostimulants) outperformed the farmer standard by 26% in average crop yield and improved quality parameters such as Brix & fruit hardness (6.6% & 14.3% on average).



### Sustainable food production

Overcoming challenges

Yara holds > 350 data points from scientific and independent trials of foliar & soil applied biostimulants on several crops. These trials shows an average yield increase of 7.6% even in stressful growing conditions for the plant.

## About Yara

Yara grows knowledge to responsibly feed the world and protect the planet. Supporting our vision of a world without hunger and a planet respected, we pursue a strategy of sustainable value growth, promoting climate-friendly crop nutrition and zero-emission energy solutions. Yara's ambition is focused on growing a climate positive food future that creates value for our customers, shareholders and society at large and delivers a more sustainable food value chain.

To achieve our ambition, we have taken the lead in developing digital farming tools for precision farming, and work closely with partners throughout the food value chain to improve the efficiency and sustainability of food production. Through our focus on clean ammonia production, we aim to enable the hydrogen economy, driving a green transition of shipping, fertilizer production and other energy intensive industries.

Founded in 1905 to solve the emerging famine in Europe, Yara has established a unique position as the industry's only global crop nutrition company. We operate an integrated business model with around 17,000 employees and operations in over 60 countries, with a proven track record of strong returns. In 2020, Yara reported revenues of USD 11.6 billion

[www.yara.com](http://www.yara.com)

Yara International ASA  
Drammensveien 131  
N-0277 Oslo  
Norway  
Tel: +47 24 15 70 00  
Fax: +47 24 15 70 01

© 2021 Yara. All rights reserved.

September 2021



### LEGAL NOTICE

Yara International ASA and/or its group companies (collectively "Yara") make no express or implied warranty or representation concerning the accuracy or completeness of this document or the information contained in it. Information contained in this document is to the best of Yara's knowledge correct and accurate on the date of issuance. Any information provided is merely intended to serve as guidelines for the appropriate use, handling and storage of our products and may not be deemed as a guarantee or indication of quality, or serve as a basis for liability towards Yara in any way whatsoever. Any drawings, descriptive matter or illustrations contained in this document are provided for the sole purpose of giving an approximate idea of the products described in them. This document and any information contained in it shall remain the property of Yara. No rights, including, but not limited to, intellectual property rights, in respect of this document are granted to any recipient. Yara reserves the right to adjust and revise this document at any time. Please refer to our General Terms and Conditions for more information on legal matters.