



Knowledge grows

BIOTRYG™

Biostimulant technology for better crop solutions



BIOTRYG™

The world is facing increasing changes and challenges. One of these is population growth; by 2050 there will be more than 9 billion people on this planet and we will need to produce 50% more food in order to feed this growing population. This is in addition to climate change, global warming, drought, high and low temperatures that change without suitable warning, water scarcity and deforestation. Unfortunately, these challenges tend to increase with time and growth. But Yara is committed to start acting on this right away.

With more than 100 years of experience and knowledge, and a brand recognized around the world, we at Yara are dedicated to responsibly feeding the world and protecting the planet, supporting farmers' growth and profitability through sustainable crop nutrition solutions to increase quality and yield.



Up to 10% of yield can be lost during an event of drought or heat stress



3 billion tonnes grain harvest lost due to heat and drought stress over the last 50 years



3% Amount of fresh water on our planet



70% Amount of fresh water agriculture utilises

Yara is therefore launching a new technology: **BIOTRYG™**, the platform for biostimulants.

Enhancing your crop's natural potential

The bottleneck for boosting crop production frequently goes beyond crop nutrition. This, together with the increasing exposure of crops to different types of abiotic stress made Yara decide to broaden our offer to meet the farmer's needs.

The **BIOTRYG™** technology triggers the natural plant processes that enhance nutrient use efficiency as well as acting on specific processes in crop metabolism. Improved plant growth and abiotic stress tolerance help the plants to remain vigorous in hostile growing conditions so the farmer can generate better yield and quality.

The performance and success of Yara's **BIOTRYG™** technology is based on three pillars:

Knowledge



Our extensive knowledge on farmer needs, nutrient formulation, and experience and leadership in crop nutrition put Yara in a unique position to bring the best and complete solutions to farmers - the perfect combination!

Technology and Innovation



Through strategic collaboration and investigation at our Research & Development center, we have a range of high quality, innovative products developed to meet farmers' needs.

Our products in the YaraVita and YaraTera portfolio are developed by Yara's Product Development Chemists to satisfy the specific application for which they are intended.

Sustainability



BIOTRYG™ acts when the crop most needs it, supporting the crop's natural processes and enhancing its performance.

It is sustainable for:

- the environment, allowing higher production while using the same amount of land, and reducing waste by improving the quality of produce;
- the farmers, keeping their business profitable even during tough conditions;
- the planet, supporting food production in the current, challenging situation.





BIOTRYG™

Biostimulant technology

BIOTRYG™ technology improves nutrient use efficiency, tolerance to abiotic stress and crop quality and complements Yara's complete range of high quality and innovative crop nutrition solutions. Applied when the crop needs it most, it works in synergy to keep the farmer's business profitable and sustainable.

Our investment in research and development means that Yara offers much more than just fertilizer – we offer advice, the latest scientific knowledge and a partnership with our farmers that sees results. Taking advantage of our solutions will help farmers to achieve success in their farms.

The **BIOTRYG™** technology will be present in a wide variety of products in the Yara's portfolio.

Why is BIOTRYG™ the best option for farmers looking for a complete solution?

- ✓ Triggers the natural plant processes, enhancing nutrient use efficiency and crop quality
- ✓ Helps the plant to perform to its full potential, even under stressful conditions
- ✓ Fully supported by Yara's complete range of high quality and innovative crop nutrition solutions

The **BIOTRYG™** technology is developed by Yara, the world's leading fertilizer brand.

Our rigorous quality control ensures consistency and performance. We do whatever is necessary to ensure that what arrives in the field is of the highest quality.



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



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