



Knowledge grows

YaraBela™ Results You Can See

Tried and tested



Introduction to YaraBela™ Nitrates



YaraBela fertilizers represent products proven in delivering nutrition to your crops and are a key product group in the Yara portfolio for field crops.

With focus on nitrogen, YaraBela products are superior quality with a balanced supply of nitrate and ammonium.

Importantly the products are easy to handle and apply to a wide range of crops.

YaraBela nitrates are also supported by Yara's vast knowledge of application strategy in order to get the best performance from the crop. This in turn brings optimum return on investment for the grower.

A responsible choice

Yara's nitrate-based solutions make the farm more sustainable, efficient, and profitable. Nitrate-based solutions offer significantly higher profit and yields, while being a better option for the environment, health, land productivity and food quality. In multiple studies, Nitrate fertilizers have been shown to deliver lower ammonia loss, lower carbon footprint and in most cases lower N₂O emissions.





Key Attributes to YaraBela™ Fertilizers

1) **Balanced nitrogen nutrition**

- Nitrate and ammonium-N supply
- Immediate availability
- Sustained supply from ammonium
- Nitrate supports cation uptake

2) **Improved soil conditions**

- Reduced soil acidification compared to urea or ammonium sulphate
- Less nitrogen fixation and immobilization with nitrates

3) **Reduced nitrogen loss**

- Reduced N loss to ammonia emissions
- Economic benefit to the farmer
- Less leaching risk when used with a correct application strategy in season
- Reduced environmental impact





The YaraBela™ Range of Products

Product Technology

YaraBela products are available in many different forms, all manufactured to Yara's high and consistent global standards.

Nitrate based fertilizers are produced by transforming ammonia into

nitrate nitrogen. Other essential plant nutrients are also added to YaraBela products, for example sulfur.

Transport and Storage

Yara has stringent standards for our fertilizers from factory to farmer's field. Caking and dust formation can be major problems when handling solid fertilizers, nitrates generally generate less dust than other N forms.

Spreading

Uneven nitrogen distribution when spreading causes striping problems in the crop. YaraBela nitrates give accurate application due to high bulk density and uniform particle size distribution. This allows high spreading width but no loss of accuracy with tried and tested YaraBela products.





There is only one way to measure a fertilizer: results

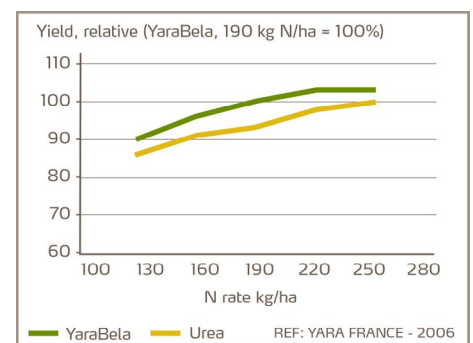
The YaraBela brand stands for quality. This extends beyond the product and into the field, bringing a tried and tested product range to growers.

Better Return on Investment

YaraBela products supply a balanced form of nitrate and ammoniacal nitrogen for field crops, often with additional nutrients included. By focusing on the correct application strategy, growers can expect good returns.

Bela comes from the Old Norse word "Beyla" which means "fertility" - a meaning relevant to the area of plant nutrients, fertility and growth.

Long-Term Comparison of Urea and YaraBela 4 year average (site Marne, France) Wheat - Barley - Oilseed Rape - Wheat



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Yara's global presence makes a world of difference.

Our global quality control ensures that if it's Yara on the bag, it's Yara in the bag. We do whatever is necessary to assure that what arrives in the field is of the absolute highest quality. Our main production facility in Porsgrunn has been ISO certified since 1993.

Timing is Everything

Yara works closely with researchers and farmers all over the world gaining invaluable experience on how best to use our fertilizers. We know that rate and timing of product application is essential to ensure growth and crop quality is not compromised. Yara has developed the nitrogen management tools N-Tester™ and N-Sensor™ for fine tuning nitrogen input rates. These tools are specifically designed for focus on applying available nitrate-N at the time when required by the crop.

As a result, you can be sure that the advice you will be given in support of YaraBela fertilizers will provide you with high yields of highly-marketable, premium grade produce.



Yara comes from the Old Norse word "jardar" meaning crops, fertility or a good harvest