

Calculation of the blend

Triferto has a self-developed Novagran blend program. The optimum blend composition is calculated based on the nutrient requirement of the crop that you would like to obtain or based on a specified system. You can send in your blend request via our website.



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A Triferto product



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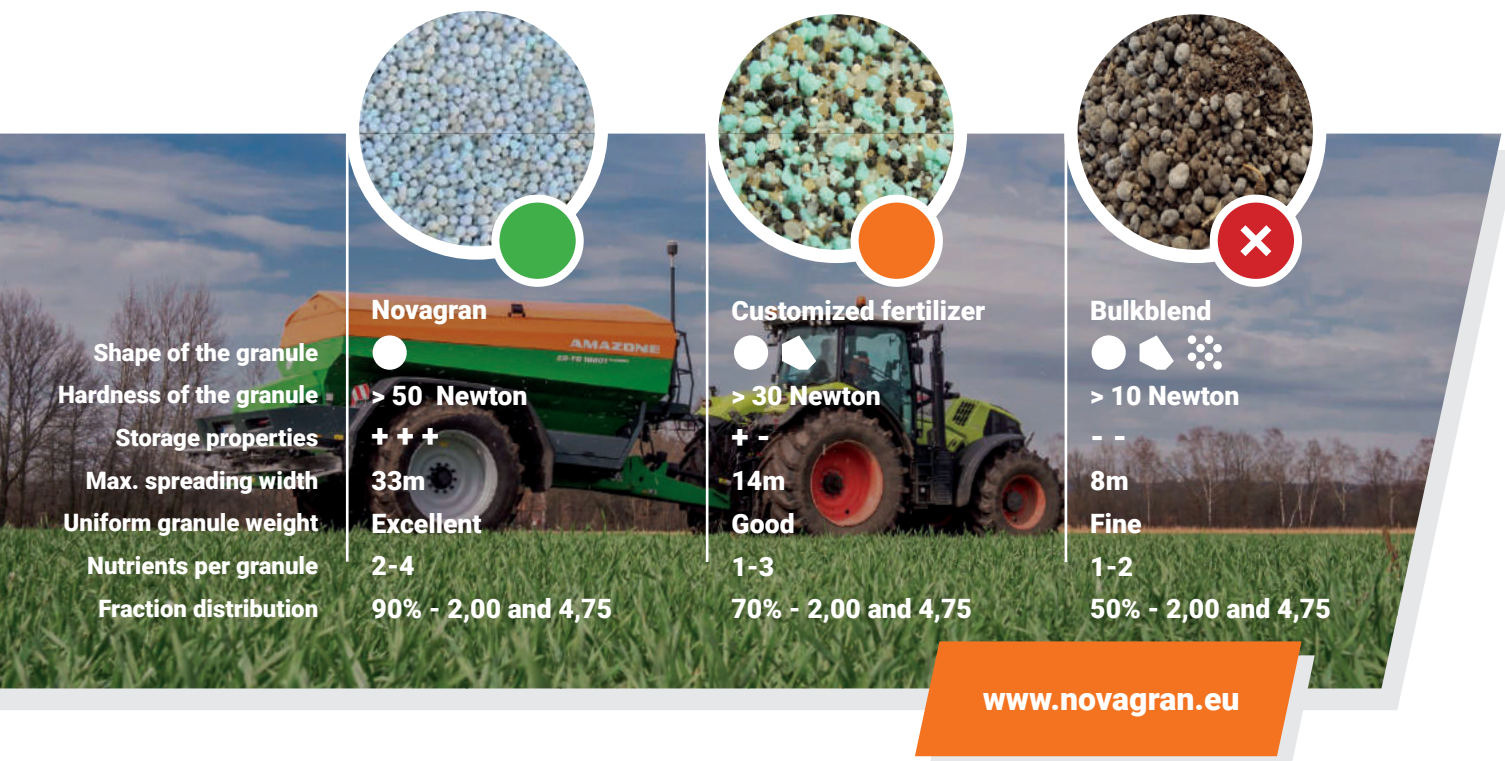
Novagran quality blends

Novagran is a unique line of granulated blend fertilizers from Triferto. In 1 application all necessary nutrients such as NPK, secondary and trace elements. You can formulate your own fertilizer based on your specific requirements.



Spreading pattern

The effects of an uneven spreading pattern remain unnoticed in most cases. However, yield losses already occur when there is nothing to be seen with your bare eye. The consequences of uneven spreading are not only a lower yield, but also a lesser quality of your crop. With Novagran you achieve maximum quality and yield due to an uniform product.



	Novagran	Customized fertilizer	Bulkblend
Shape of the granule	●	●	●
Hardness of the granule	> 50 Newton	> 30 Newton	> 10 Newton
Storage properties	+++	+-	--
Max. spreading width	33m	14m	8m
Uniform granule weight	Excellent	Good	Fine
Nutrients per granule	2-4	1-3	1-2
Fraction distribution	90% - 2,00 and 4,75	70% - 2,00 and 4,75	50% - 2,00 and 4,75

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Quality

The use of a high-quality Novagran blend fertilizer guarantees good spreadability and uniform fertilization. Novagran blend fertilizer are always treated with a anti-cake coating and therefore "free-flowing". For its raw material, Triferto selects for uniform physical properties, including the grain weight, grain shape and grain size. In addition, all grains contain 2-4 nutrients per grain. As a result, a Novagran blend fertilizer behaves like a compound fertilizer.



Novagran in stock

Good physical and chemical properties determines the shelf life for the fertilizer. Many bulk blends are not suitable for long-term storage due to chemical interactions between granules, dust and moisture in the product. Novagran blends can easily be kept in your silo or in packaged form for a few months, provided that the product is of course not exposed to moisture, UV radiation or high temperatures.



Spreading chart

To find the correct fertilizer spreading chart for Novagran fertilizers, determine the fraction distribution with a "shaking sieve". In addition measure the specific weight by weighing one liter of product. This data is important for finding the right settings for your spreader. In the spreading chart search for fertilizers with similar fraction distribution and specific weights. For some spreaders the hardness (kg) must also be entered, for this you can use the following rule of thumb:

Fraction distribution: 90% between 2,0 and 4,75 mm
Hardness : > 5kg = 50 Newton
Bulk weight : 900 and 1100 kg/1000l



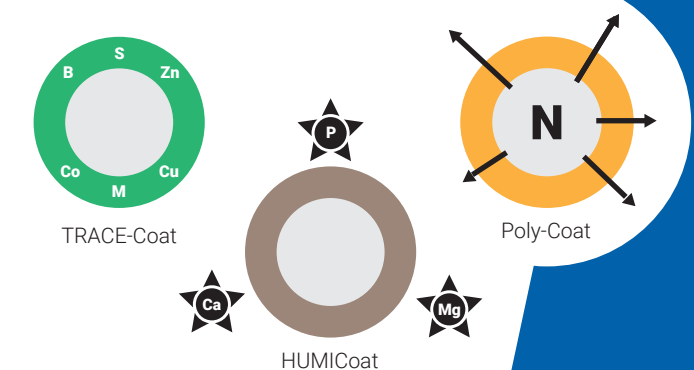
Unique coatings

The Novagran concept offers various options of coatings. It is even possible to combine various coatings together in one formula. Coatings which we can provide are for example: **TRACE-Coat**, **HUMI-Coat** and **Poly-Coat**.

TRACE-Coat: specially developed by Triferto. The coating can contain 1 until 5 different trace elements. Due to the fact that the trace elements are on each granule, the uniformity of spreading is guaranteed.

HUMI-Coat: Coating of humic acids on the granules. By applying humic acids to the soil, phosphate, potassium and magnesium remain better available for the crop. Less fixation of Phosphates and higher CEC reducing lexiviation of cations.

POLY-Coat: By providing urea granules with a permeable resin polymer coating the Nitrogen will be slowly released. Depending on the thikness of the polymere coating the Nitrogen can be released in 2, 4 or 6 months. The relese rate depends also on the temperature in the soil.



Controlled nutrients release

The duration of your blend is determined by the form in which nutrients are present. By cleverly choosing different ratios of Nitrogen types, such as nitrates, ammonium or urea, or the water solubility of other elements, you can influence the duration of availability of nutrients to the plant. In Novagran blends we can vary easily by using different kind of raw materials, building blocks or by using different coatings. All these measures can have a positive effect on the crop as well for environment due to minimizing lexiviation and volatilization losses.

From soil to life