



Borregaard



ARE YOU A PLANT NUTRITION SUPPLIER LOOKING TO OPTIMIZE **NUTRIENT USE EFFICIENCY (NUE)**?

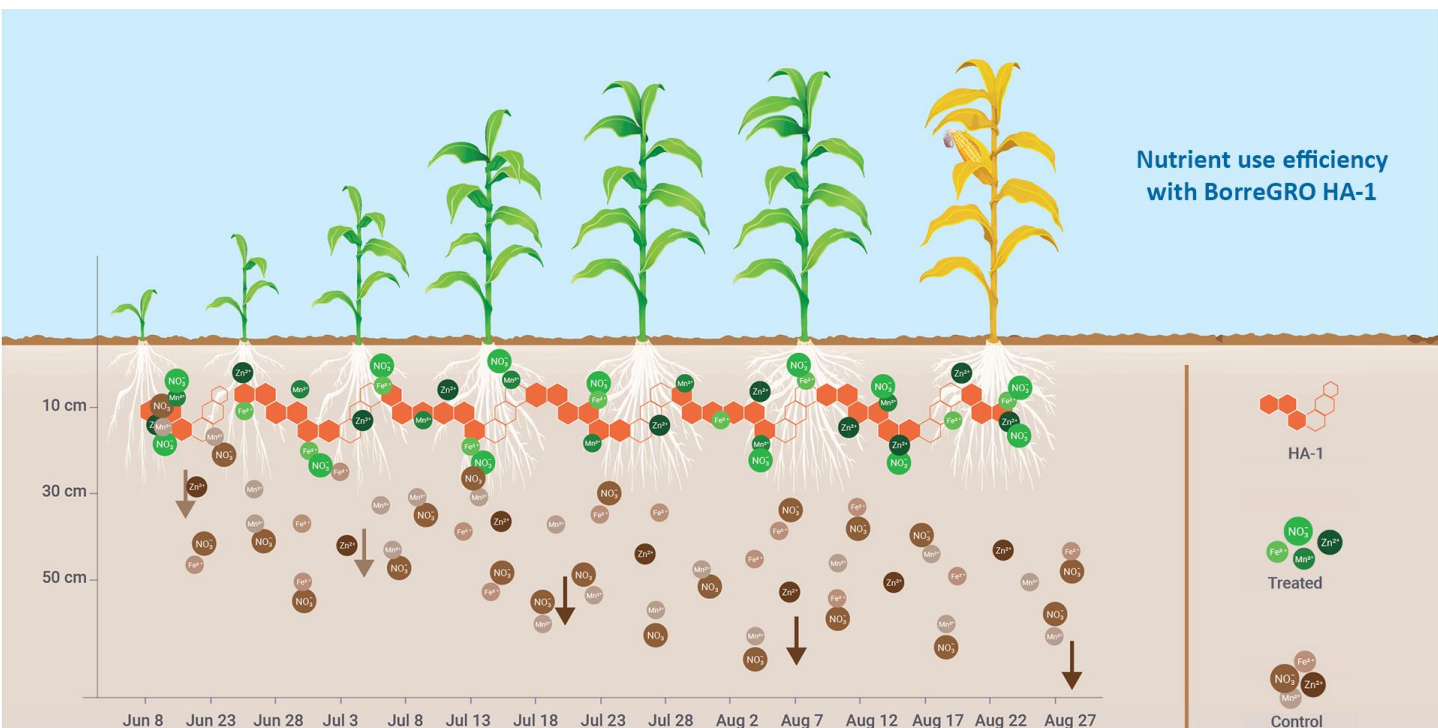
Getting more from soils and inputs has never been more important. NUE is claimed by several agricultural products, but it comes down to two basic concepts:

1. Providing nutrients that are readily available to plants and
2. Stimulating the diverse synergies of soil and plant biology to assist in NUE.

Soils are rich with a diverse range of nutrients and biological microorganisms. These elements, along with nutritional inputs work together to optimize the growth potential of plants. Humic acids have been proven beneficial for NUE through field research and yield performance. Humic acid's contribution to NUE follows the path of what nature intended in the degradation of organic matter (OM) into its fractional elements. So, in order to achieve a higher NUE we need:

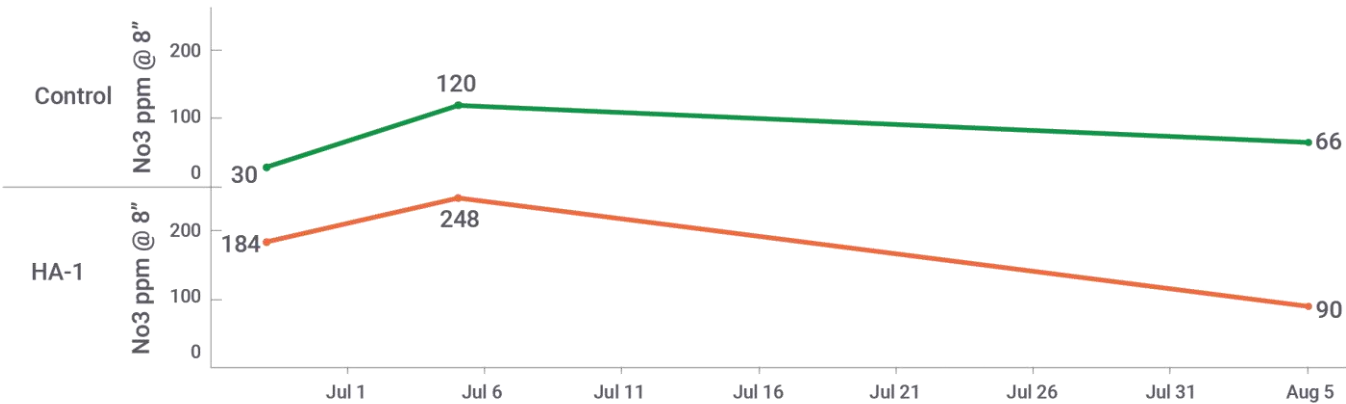
- Synergy from BorreGRO® HA-1 carbon binding sites
- The micronutrients held in the treatment zone
- The interactions with microbes within the root zone

The following graphic representation is extracted from a trial conducted by the Irrigation Research Foundation in 2018.



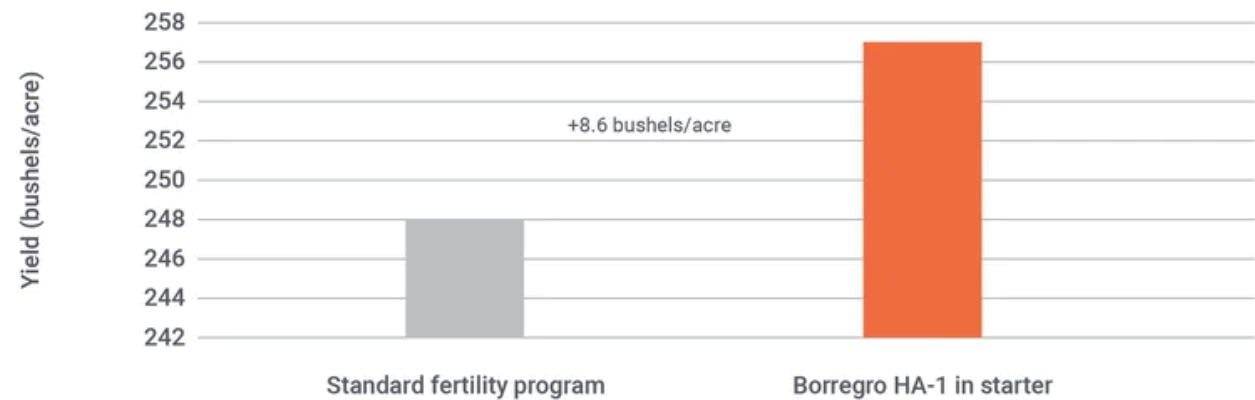
In an irrigated trial, the treated area with BorreGRO HA-1 complexed the micronutrients and held them in the root zone. The combination of these two functions is critical to NUE. Nutrients in the untreated area leached through the soil profile and below the root zone.

BorreGRO® HA-1 Reduces Nitrate Leaching and Improves Nitrate Availability



Research trials with humic acid show that N in the form of NO₃ is held within the soil at a higher concentration and for a longer duration compared to the standard treatment.

Yield Data - 2018 Corn Trial at irrigation Research Foundation



BorreGRO HA-1 increases the uptake of plant nutrients in the soil and adds carbon content for the benefit of soil microorganisms and better yield potential. The patented formulation of BorreGRO HA-1 is uniquely compatible with a wide variety of starter fertilizers, including 10-34-0, giving growers a powerful tool to boost NUE unlike any other humic acid in the market. If you want to learn more click on the link below

CONTACT US TO LEARN MORE