

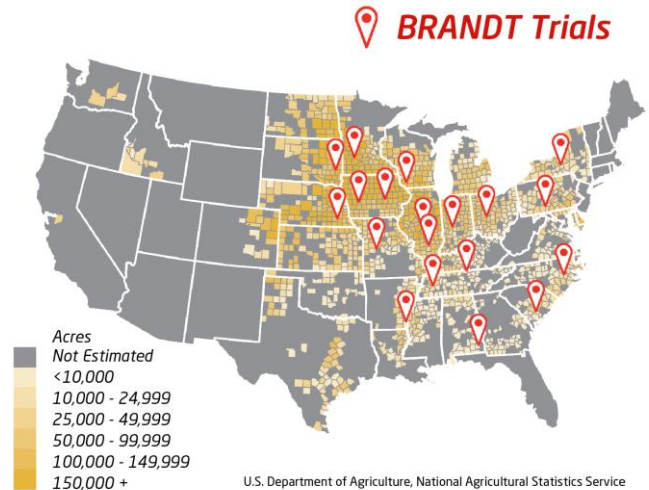


BRANDT[®] EnzUp[®] Zn on Corn – Early Plant Vigor – 2019 Trials

Early plant vigor measurements were taken over various soil types and conditions. Trials compared starter fertilizer (grower standard) vs. starter fertilizer with 1 qt/acre **BRANDT EnzUp Zn** included.

BRANDT EnzUp Zn treatments showed increased plant vigor.

- ✓ **Root Mass (4.3% Increase)**
- ✓ **Stalk Diameter (4.2% Increase)**
- ✓ **Height (5.1% Increase)**



*Data is significant at a 95% confidence level.
Measurements were taken between V3 to V6.*

The early plant vigor is primarily driven by the two enzymes in **BRANDT EnzUp Zn**. The addition of zinc is also beneficial.



Mannanase: 2.0 x 10³ uUnits/ml

Converts hemicellulose in the soil into smaller, absorbable sugars that are used **by the plant** as well as **plant growth promoting microbes**.



Lipase 1.0 x 10⁶ uUnits/ml

Breaks down lipids from organic residue and lipid based root exudates. As much as 20% of organic matter consists of lipids

Zn

Zinc (Zn) 4%

Zinc is a co-factor which upregulates the activity of many enzymes. Zn is also important for auxin production and growth in corn.



<https://brandt.co/media/9302/brandt-enzup-brochure1.pdf>