

# AgConcepts® SuperHume® Increases Soybean Yield by 19.5 bu/acre

## AgZyme® Increases Soybean Yield by 11.3 bu/acre

with North Dakota State University in Carrington, North Dakota

Ag Concepts® Corp worked with North Dakota State University in Carrington, North Dakota on a study investigating the effects of AgZyme® and Ag Concepts® Super Hume® on soybeans. The test was completed at a site that has low P soil levels, 4 ppm, and is in an area where in-furrow starter applications are made on soybeans. The treatments were 10-34-0 in-furrow starter at 3 gal/a, AgZyme at 20 oz/a, and Ag Concepts Super Hume at 6 qts/a. For comparison purposes, the control result was obtained from an unrelated study on an adjacent plot. (Statistical significance could not be determined with the control treatment because it was not originally a part of the study.)

Ag Concepts® Super Hume® treatment resulted in the highest yield, 62.4 bu/acre. AgZyme® yielded 54.3 bu/acre, and 10-34-0 in-furrow yielded 42.9 bu/acre. Yield increases from Ag Concepts® product treatments were statistically significant. The adjacent control treatment yielded 50.5 bu/acre. Results can be seen in **Figure 1**.

Due to the low P soil levels in this area growers use 10-34-0, a form of Ammonium Polyphosphate (APP), which has a salt index that indicates possible seedling damage. In this case, the stand count of the 10-34-0 application was significantly lower than the Ag Concepts Super Hume and AgZyme applications. Stand count results can be seen in **Figure 2**.

Fig 1: Total Soybean Yield in Bushel per Acre

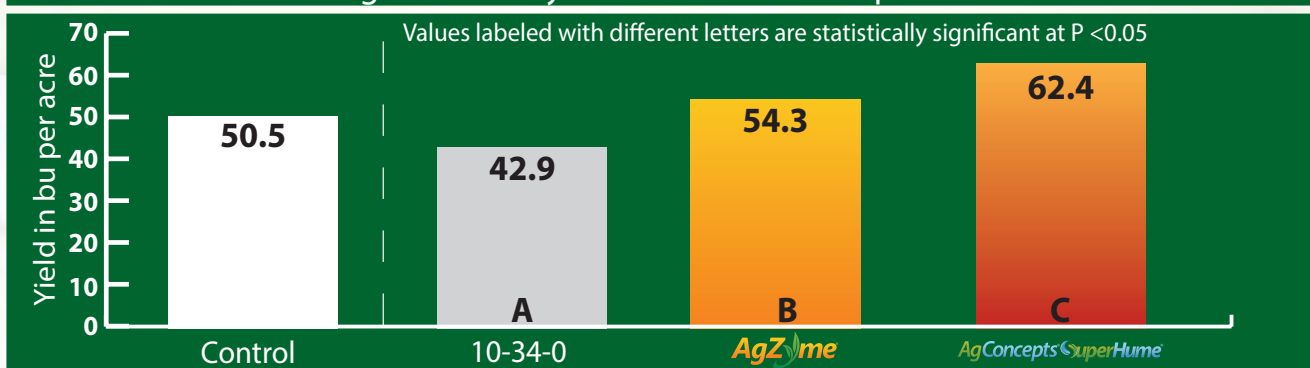


Fig 2: Soybean Stand in Plants per Acre

