

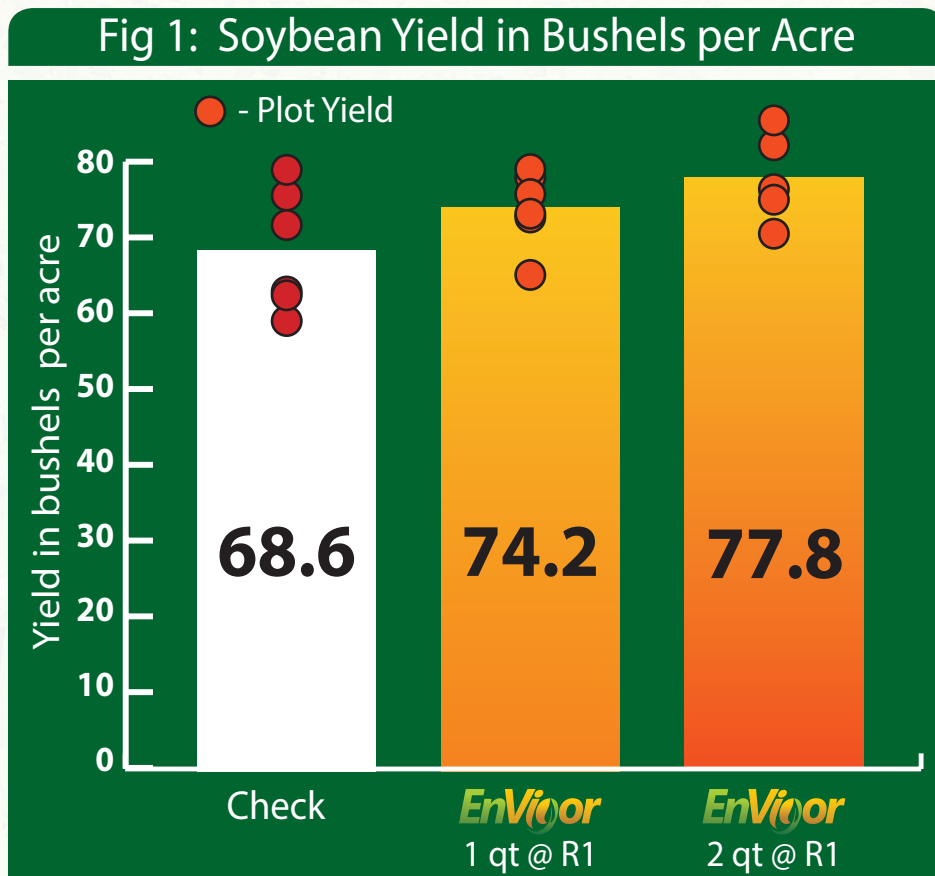
EnVigor Increases Soybean Yield by 9.2 bu/acre with Dr. Nathan Slaton at Pine Tree Research Station in Arkansas

Ag Concepts® Corp worked with Dr. Nathan Slaton on a study investigating the effects of Ag Concepts® foliar fertilizer EnVigor on indeterminate soybeans at the Pine Tree Research Station in Arkansas. Five treatments were examined, check, 1 quart of EnVigor at R1 growth stage, 2 quarts of EnVigor at R1, 1 quart of EnVigor at R3 and 2 quart of EnVigor at R3.

The highest yielding treatment was 2 quarts of EnVigor at R1 at 77.8 bushel per acre. One quart of EnVigor at R1 resulted in the second highest yield of 74.2 bu. The Check treatment was 68.6 bu, 1 quart EnVigor at R3 was 70.3 bu, and 2 quarts of EnVigor at R3 was 70.6 bu.

According to the researcher, ANOVA statistical analysis of 2(rate) x 2(timing) + 1(no EnVigor) Factorial design showed that EnVigor timing, averaged across EnVigor rates was significant (P-value = 0.0253). The average yield of all plots that received EnVigor at R1 was 75.8 bu/acre, which was statistically greater than check at 68.6 bu/acre (LSD0.10 = 4.9 bu/acre).

The researcher concludes that "The EnVigor product showed promise to increase soybean yield when applied at the early R2 growth stage when the indeterminate soybean cultivar was first setting blooms but before any pods started to form on the plant. **The yield increase was 10.6% and was significantly greater than soybean receiving no EnVigor.**"



2017 at Pine Tree Research Station, Arkansas by Dr. Nathan Slaton, n=6