

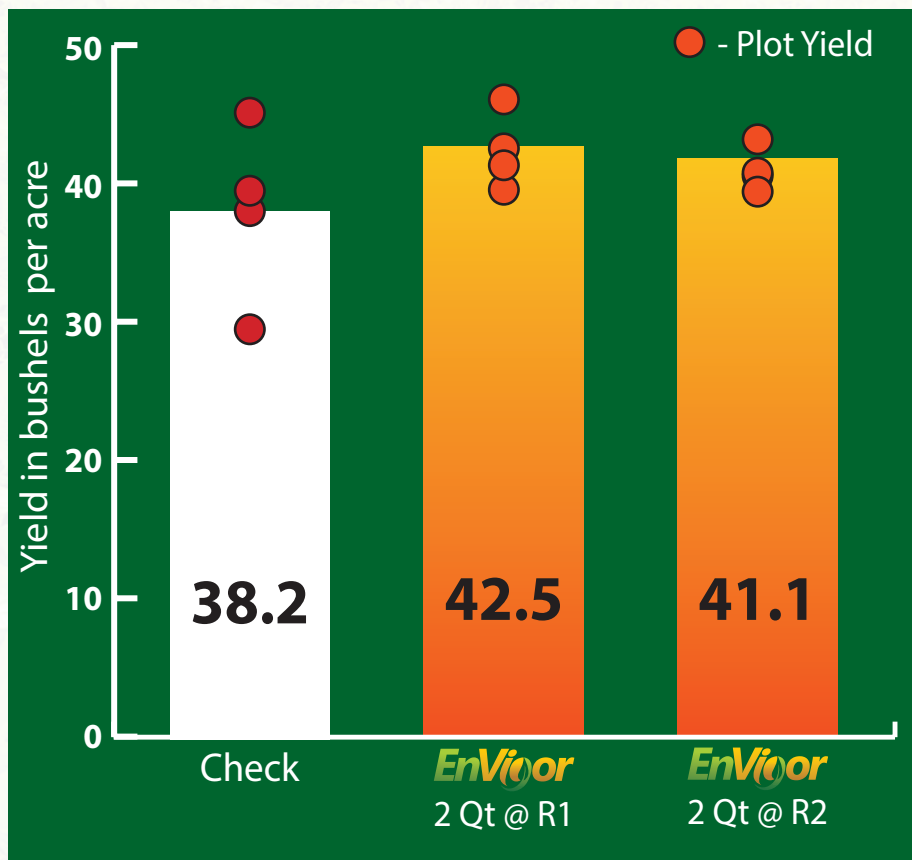
EnVigor Increases Soybean Yield by 4.3 bu/acre with North Dakota State University in Carrington, North Dakota

Ag Concepts® Corp worked with Dr. Mike Ostlie of North Dakota State University on a study investigating the effects of Ag Concepts® foliar fertilizer EnVigor on soybeans at the Carrington Research Station in North Dakota. Six treatments were examined, check, 1 quart of EnVigor at R1 growth stage, 2 quarts of EnVigor at R1, 1 quart of EnVigor at R2, 2 quarts of EnVigor at R2, and 2 quarts of EnVigor at R3.

The highest yielding treatment was 2 quarts of EnVigor at R at 42.5 bushel per acre. Two quarts of EnVigor at R2 resulted in the second highest yield of 41.1 bu. The Check treatment was 38.2 bu, 1 quart EnVigor at R1 yielded 38.2 bu, 1 quart of EnVigor at R2 yielded 39.5 bu, and 2 quarts of EnVigor at R3 yielded 39.8 bu.

Kernel weight was also calculated for all treatments and reported as grams per 250 kernels. The highest kernel weight was achieved with 1 quart EnVigor at R1 with 250 kernels weighing 39.3 grams. The second highest kernel weight came from 1 quart of EnVigor at R2 with 250 kernels weighing 38.9 grams. 250 kernels weighed 37.7 grams on the check treatment, 37.9 grams for 2 quarts EnVigor at R1, 38.1 grams for 2 quarts EnVigor at R2, and 38.8 grams for 2 quarts EnVigor at R3.

Fig 1: Soy Bean Yield in Bushels per Acre



2017 at Carrington, North Dakota by North Dakota State University, n=4