

# AgZyme® Increases Yield by 387 lbs/a

## Also Increases Root Mass by 64.6% on Barley in Reardan, Washington

In 2014 Rhizoterra was commissioned by Ag Concepts Corp to initiate a study on the effect of AgZyme® when applied to wheat. The test was completed on spring barley var. LCS Vespa in Reardan, Washington. The objective of the study was to evaluate the effect of the use of AgZyme® on barley in terms of root growth, yield and protein.

The field study showed that the mean yield of barley treatments with AgZyme® was 2,500 lbs/acre, which was 387 lbs higher than the check treatment of 2,113 lbs/acre. Protein was also higher on the AgZyme®, 14.17% versus 13.72%.

AgZyme® provides enzymes, vitamins and co-factors to help increase the activity of soil microbiology. Once activated by AgZyme® soil microbiology goes to work increasing nutrient uptake through the three major pathways. The effect of AgZyme® on one pathway was exhibited by this test. Root interception of soil nutrients is achieved while the root grows through the soil. So, more roots means more nutrient uptake through root interception. Increased root interception can be examined by measuring root mass. The barley that was treated with AgZyme® had 158 mg of root mass, versus 96 mg for the untreated barley. This is an incredible 64.5% increase in root mass.

Fig 1: Yield

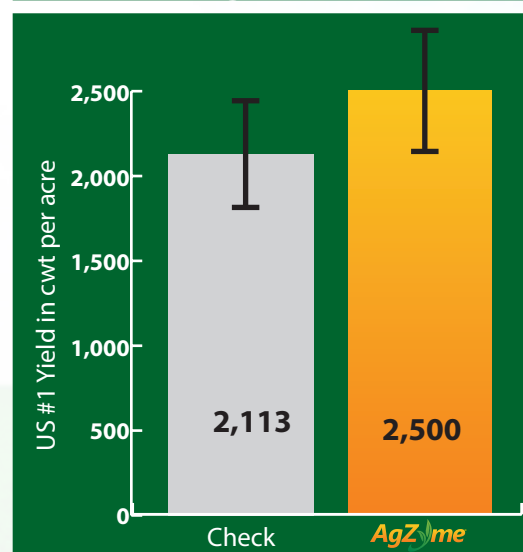


Fig 2: Protein

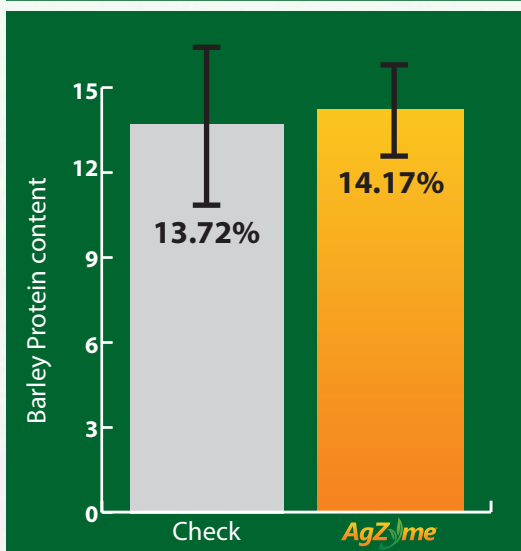


Fig 3: Root Mass

