AgZyme and AgConcepts SuperHume

Increase US#1 Potato Yield by 41 cwt

AgZyme and Pervaide increase #1s by 26 cwt and single application of AgZyme increases #1s by 16 cwt

Ag Concepts Corp worked with Jemmett Consulting and Research Farm on a study investigating the effects of AgZyme, AgZyme and Pervaide, and AgZyme with Ag Concepts Super Hume on Russet Burbank potatoes. Results showed numerical increase of US#1 grade potatoes for each application over check with greater increases achieved by combining products. The best results, 82 cwt increase of US#1s, were observed when 12.8 oz per acre of AgZyme was applied with 1 gallon of Ag Concepts Super Hume. An increase of 51 cwt of US#1 was achieved when 12.8 oz per acre of AgZyme was followed with 2 qts per acre of Pervaide. Finally, an increase of 32 cwt was seen with a single 12.8 oz application of AgZyme. The US#1 yield comparison can be seen in Fig 1.

Overall, each treatment with Ag Concepts products produced a higher yield percentage of US#1s. As with weight of US#1s, AgZyme with Ag Concepts Super Hume had the best percentage with 78.1% US#1s. AgZyme with Pervaide followed at 72.7% US#1s and the single application of AgZyme had 70.2% US#1s. The check treatment only had 61.9% US#1s. This is illustrated in Fig 2.

The performance of the combination of AgZyme and Ag Concepts Super Hume is consistent with results from other testing stations and other years. Over three years, 2009, 2010 and 2011, testing at the University of Idaho station in Aberdeen, Idaho this combination resulted in 26.6 cwt, 24.2 cwt and 66.4 cwt increases in US#1s on Russet Burbanks. 2012 testing at Ag Development Group in Eltopia, Washington resulted in a 24 cwt increase in US#1s. The increase in microbial activity and better fertilizer and nutrient efficiency that is a result of applying AgZyme and Ag Concepts Super Hume allows increased yields and greater crop quality on Russet Burbank potatoes.

Fig 1: Yield of US#1s in cwt

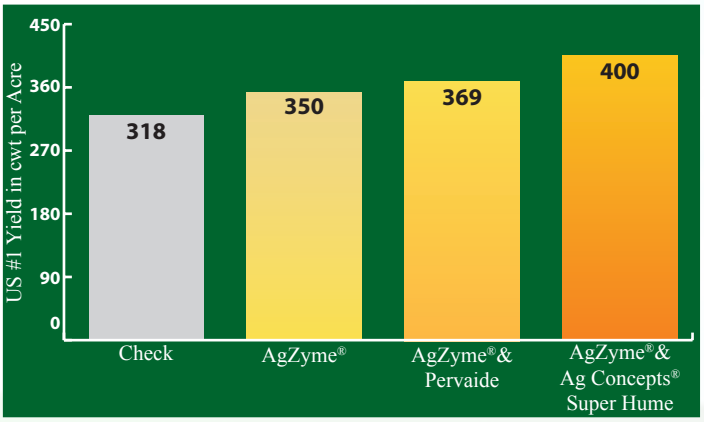
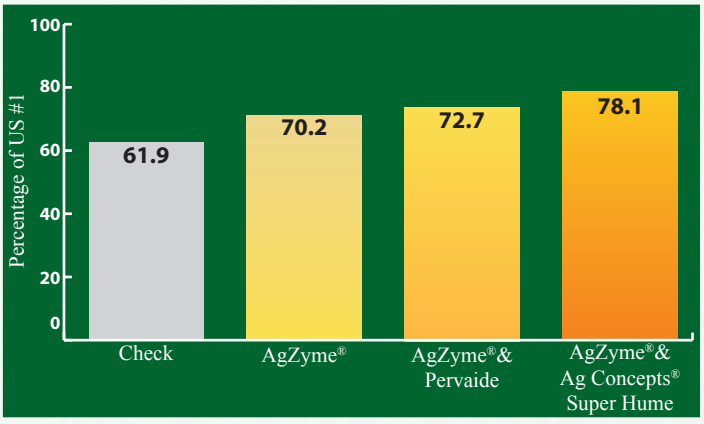


Fig 2: Percentage of US#1s



2012 in Parma, ID by Eric Jemmett of Jemmett Consulting and Research Farm, n=4