

AgZyme[®] and AgConcepts[®] SuperHume[®]

Increase US#1 Potato Yield by 64.4 cwt

AgZyme and Pervaide increase US#1s by 26.6 cwt
and two applications of AgZyme increase US#1s by 35.8 cwt

Ag Concepts[®] Corp worked with the University of Idaho 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, 64.4 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 26.6 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 35.8 cwt was seen with two 12.8 oz applications of AgZyme[®]. The US#1 yield comparison can be seen in Fig 1. A single 12.8 oz application of AgZyme[®] increased US#1 yield by 6.5 cwt.

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 63.5% US#1s. The double application of AgZyme[®] followed at 60.5% US#1s, AgZyme[®] with Pervaide had 59.3% US#1s. The check treatment only had 52.9% US#1s. This is illustrated in Fig 2. The single application of AgZyme[®] yielded 53.5% US#1s.

Overall yields followed a similar pattern of performance. AgZyme[®] with Ag Concepts[®] Super Hume had the best overall yield of 339.9 cwt. The double application of AgZyme followed at 309.5 cwt and AgZyme[®] with Pervaide had 300.0 cwt. The check treatment yielded 286.2 cwt. This is illustrated in Fig 3. The single application of AgZyme[®] yielded 295.1 cwt.

The AgZyme[®] and Ag Concepts[®] Super Hume results were statistically significant increases for US#1s and overall yield to the 95% confidence interval.

Fig 1: Yield of US#1s in cwt

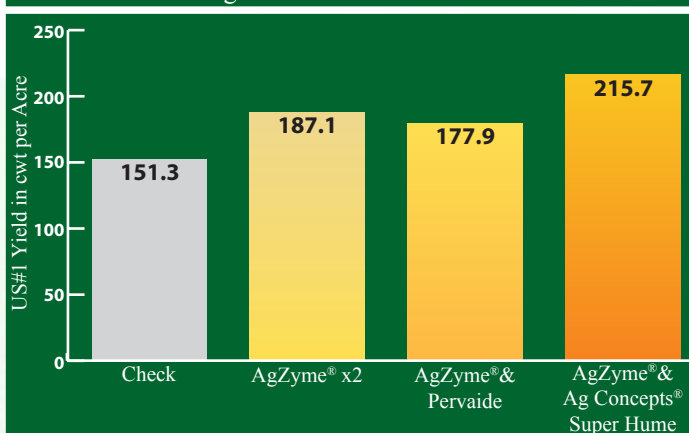


Fig 2: Percentage of US#1s

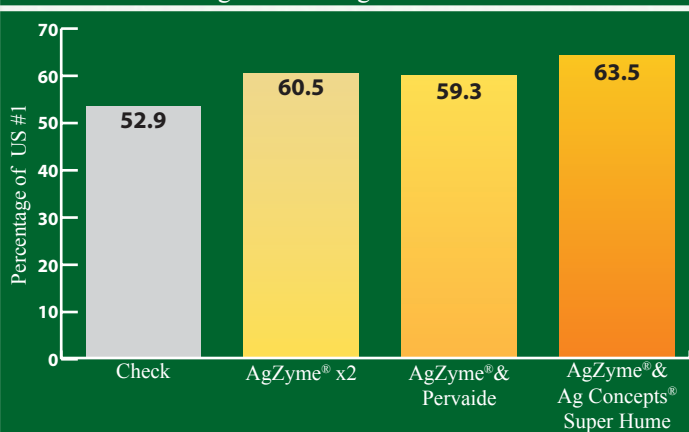


Fig 3: Total Yield

