

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

Increase US#1 Potato Yield by 38.5 cwt

AgZyme and Pervaide increase #1s by 21.7 cwt
and two applications of AgZyme increase #1s by 26.3 cwt

Ag Concepts[®] Corp worked with Liberty Ag Research on a study investigating the effects of AgZyme[®], AgZyme[®] and Pervaide, and AgZyme[®] with Ag Concepts[®] Super Hume on Shepody potatoes. Results showed numerical increase of US#1 grade potatoes and overall yield for each application over check with greater increases achieved by combining products. The best results, 38.5 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 26.3 cwt was seen when 12.8 oz of AgZyme[®] was applied at planting and again six weeks after planting. Finally, an increase of 21.7 cwt of US#1 was achieved when 12.8 oz per acre of AgZyme[®] was followed with 2 qts per acre of Pervaide. A single application of AgZyme[®] increased US#1 yield by 22.2 cwt.

Each treatment with Ag Concepts[®] products produced a higher yield percentage of US#1s. As with weight of US#1s, Ag Concepts[®] Super Hume had the best percentage of US#1s at 78.7% US#1s. Two applications of AgZyme[®] had 76.4% US#1 while AgZyme[®] with Pervaide had 76.2% US#1. The check treatment only had 72.2% US#1s. This is illustrated in Fig 2. The single application of AgZyme[®] yielded 64.5% US#1s.

Overall yields varied slightly from US#1s. AgZyme[®] with Ag Concepts[®] Super Hume had the best overall yield of 335.0 cwt. Two applications of AgZyme[®] yielded 328.5 cwt overall, and AgZyme[®] with Pervaide yielded 324.1 cwt. The check treatment yielded 312.0 cwt. This is illustrated in Fig 3. The single application of AgZyme[®] had 329.3 cwt in overall yield.

The increases in weight of US#1s for AgZyme[®] with Ag Concepts[®] Super Hume and two applications of AgZyme[®] were statistically significant to the 95th confidence interval. The increase in percentage of US#1s was also statistically significant for the AgZyme[®] with Ag Concepts[®] Super Hume, two applications of AgZyme[®], and AgZyme[®] with Pervaide.

Fig 1: Yield of US#1s in cwt

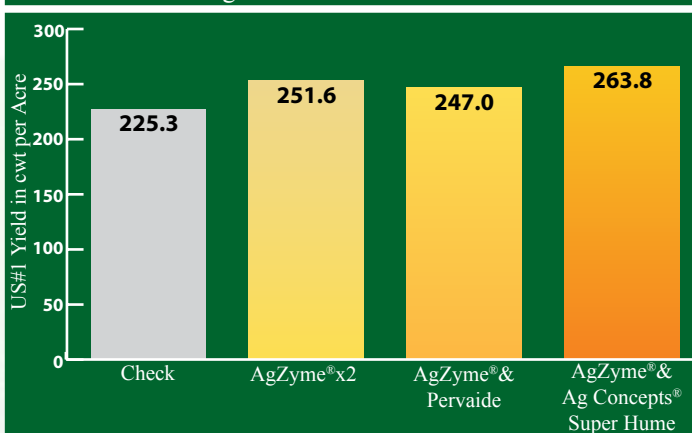


Fig 2: Percentage of US#1s

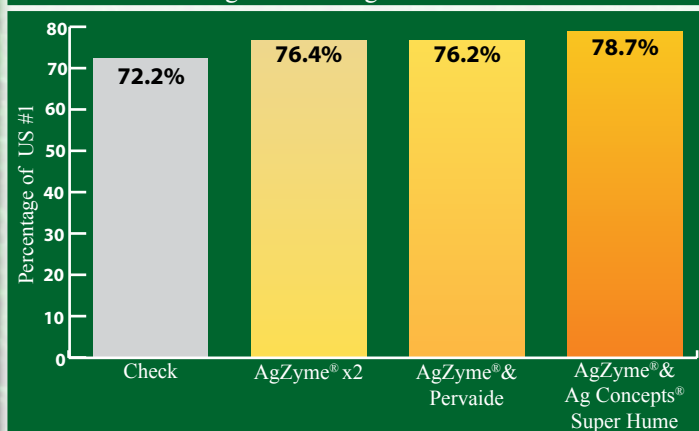


Fig 3: Total Yield

