

AgZyme Increases Irrigated Russet Marketable Yield by 22.1 cwt Also Increases Dryland Red US #1s by 17.9 cwt on Potatoes at North Dakota State in Inkster and Grand Forks, North Dakota

Ag Concepts Corp completed a study of the effect of AgZyme on irrigated Russet Potatoes at Inkster, North Dakota and dryland Red Potatoes at Grand Forks, North Dakota with North Dakota State University during the 2012 growing season. Each test examined the difference in yield and grading when adding 12.8 oz of AgZyme in furrow at planting to the grower standard fertilizer program.

The results of the test on irrigated Russet Potatoes can be seen in Fig 1. The overall yield increased when AgZyme was added to 368.2 cwt from 357.7 cwt. Total marketable percentage, or the percentage of potatoes that were more than 4oz, increased to 84.8% from 81.8%. This increase in overall yield and increase in marketable percentage resulted in an overall marketable increase of 22.1 cwt.

The results of the test on dryland Red Potatoes can be seen in Fig 2. The AgZyme treatment yielded 214.4 cwt overall while the untreated plot yielded 201.4 cwt overall. Additionally, the AgZyme treated potatoes had 50.8% US#1 grade, contrasting with to 45.2% without AgZyme. This difference in overall yield and US#1 equates to an increase in US#1s of 17.9 cwt per acre.

These results are consistent with other tests performed on the effect of Ag Concepts products on potatoes. When the soil microbiology is active more nutrients are available for uptake by the plant, leading to increases in yield and quality.

