

'Russet Norkotah' Potatoes

2015 Research Summary

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Trial Summary

Researched By: Mid-Michigan Consulting

Location: Southern Michigan

Growing Season: 2015

Objective: To evaluate the benefits of Nutricor[®] on the yield of 'Russet Norkotah' Potatoes.

Methodology

Prior to planting, conventional tillage was implemented to prepare the field. 'Russet Norkotah' potatoes were then planted on April 15 at a rate of 2000 lbs./A. Emergence occurred on April 30. Potatoes were harvested on September 15 and total yield was calculated after harvest. The experimental design used was a randomized complete block with four replications.

Treatment Applications

The Grower Standard Practice (GSP) for base fertilization of potatoes in Southern Michigan is the following:

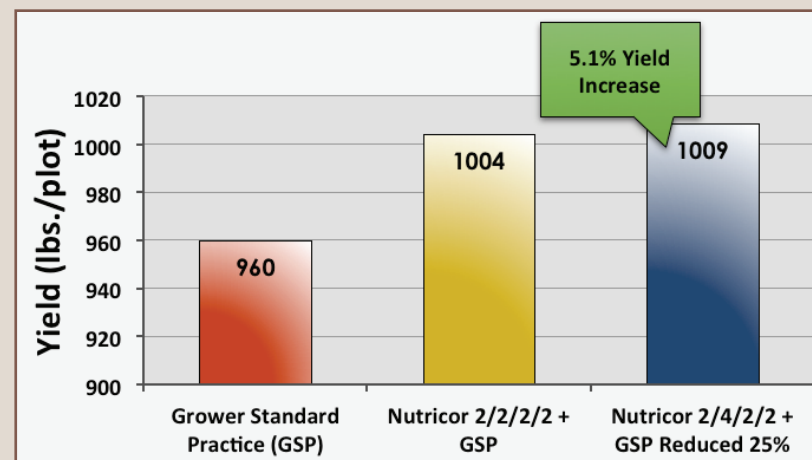
- Pre-Planting: 450 pounds per Acre (lbs./A) 0-0-60 as a pre-plant broadcast
- At Planting: 30 Gallons per Acre (GPA) 10-34-0
- At Hilling: 350 lbs./A 46-0-0 and 200 lbs./A 11-52-0
- At Row Closure: 7 GPA 10-34-0 and 46-0-0, depending on petiole analysis

Specific treatments were:

1. GSP
2. Nutricor — 2 GPA in-furrow at planting and 2 GPA foliar spray at shoot emergence, tuber initiation and tuber bulking with GSP ("2/2/2/2")
3. Nutricor — 2 GPA in-furrow at planting, 4 GPA foliar spray at shoot emergence, 2 GPA at tuber initiation and 2 GPA at tuber bulking, with GSP reduced 25% ("2/4/2/2")

Results and Conclusions

The total yield was 1004 lbs./plot for Nutricor when applied at all four time points at 2 GPA ("2/2/2/2"), compared to 1009 lbs./plot for Nutricor when applied at 2 GPA at planting, tuber initiation and tuber bulking with 4 GPA during shoot emergence and reduced GSP. This equates to a 4.6% and 5.1% increase in yield, respectively, over the GSP. In conclusion, **Nutricor can be an excellent tool for boosting yield effectively.**



 **Nutricor[®]**

To find out more about Nutricor,
visit our website at Solutions4Earth.com
or call 855-834-3882.