

'Russet Burbank' Potatoes

2014 Research Summary

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Trial Summary

Researched By: Agri Tech Consulting

Location: Whitewater, Wisconsin

Growing Season: 2014

Objective: To evaluate the benefit of Nutricor[®] and Komodo[®] on the yield of 'Russet Burbank' Potatoes.

Methodology

Prior to planting and during cropping, conventional tillage was implemented to prepare the field. 'Russet Burbank' Potatoes were then planted on May 7. Emergence occurred on May 28. Potatoes were harvested on October 1 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 fertilizing potatoes in Wisconsin is the following:

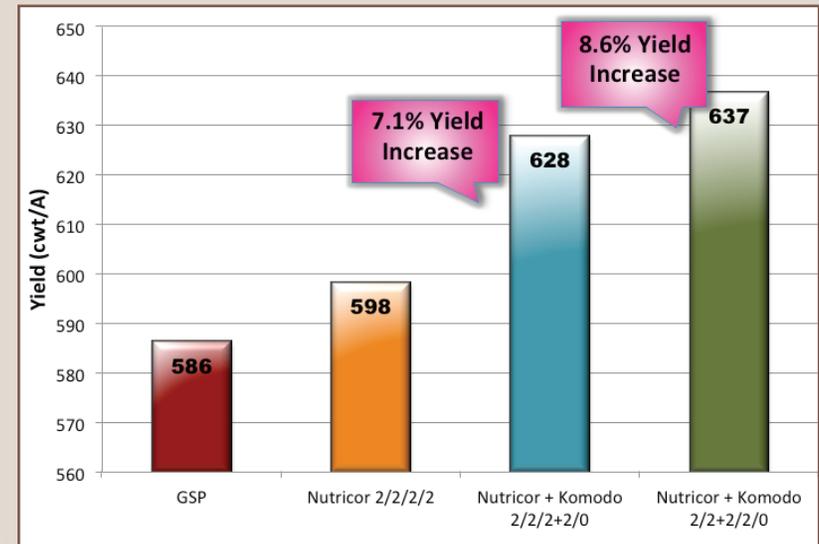
- Pre-Planting: 100 pounds per acre (lbs./A) 46-0-0, 200 lbs./A 18-46-0, and 300 lbs./A 0-0-60.
- Tuber Bulking: On July 14, 144 lbs./A of UAN32 as a side-dress

Specific treatments:

1. GSP
2. Nutricor with GSP ("2/2/2/2") – 2 GPA Nutricor in-furrow at planting, 2 GPA foliar spray at shoot emergence, tuber initiation and tuber bulking
3. Nutricor + Komodo with GSP ("2/2+2/2/0") – 2 GPA Nutricor in-furrow at planting, 2 GPA foliar spray at shoot emergence and at tuber initiation with Komodo applied at 2 GPA at shoot emergence
4. Nutricor + Komodo with GSP ("2/2/2+2/0") – 2 GPA Nutricor in-furrow at planting, 2 GPA foliar spray at shoot emergence and tuber initiation with Komodo applied at 2 GPA at tuber initiation

Results and Conclusions

The total yield was 598 hundredweight per Acre (cwt/A) for potatoes treated with Nutricor ("2/2/2/2"), compared with 628 cwt/A for potatoes treated with Komodo at shoot emergence without tuber bulking, and 637 cwt/A for potatoes treated with Komodo at tuber initiation without tuber bulking. This equates to a 2.1%, 7.1% and 8.6% increase in yield over the GSP, respectively. Tuber quality analysis confirmed quality and size to be equal or better to the grower standard practice. This study shows that **Nutricor and Komodo can be combined to increase yields of potatoes without the need for tuber bulking.**



 **Nutricor[®]**

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

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