

'Frito-Lay' Potatoes

2015 Research Summary



Trial Summary

Researched By: Mid-Michigan Consulting

Location: Southern Michigan

Growing Season: 2015

Objective: To evaluate the benefits of Nutricor® and Komodo™ on the yield of 'Frito-Lay 2137' Potatoes.

Methodology

Prior to planting, conventional tillage was implemented to prepare the field. 'Frito-Lay 2137' 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.

Treatment Applications

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

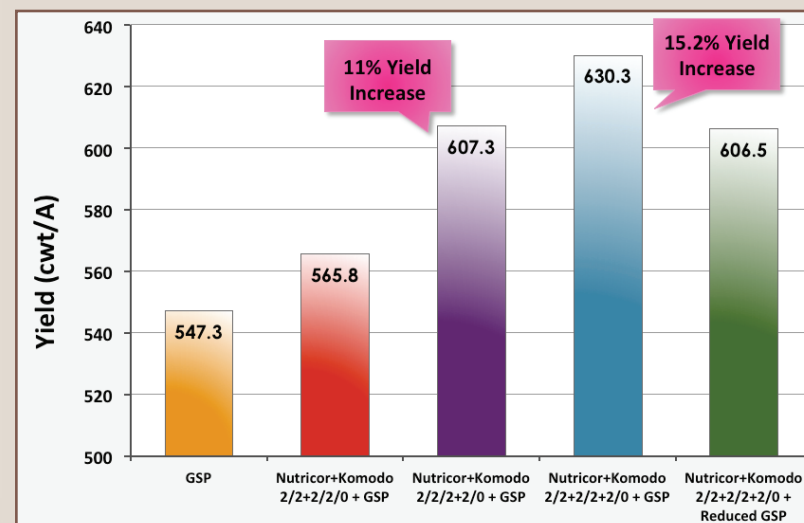
- Pre-Planting: 450 pounds per Acre (lbs./A) 0-0-60 as a pre-plant broadcast
- At Planting: 30 Gallons per Acre (GPA) 10-34-0
- At Hilling: 350 lbs./A 46-0-0 and 200 lbs./A 11-52-0
- At Row Closure: 7 GPA 10-34-0 and 46-0-0, depending on petiole analysis

Specific treatments were:

1. GSP
2. Nutricor + Komodo ("2/2+2/2/0") + GSP — 2 GPA in-furrow at planting and 2 GPA foliar spray at shoot emergence and tuber initiation with Komodo applied at shoot emergence
3. Nutricor + Komodo ("2/2/2+2/0") + GSP — 2 GPA in-furrow at planting, 2 GPA foliar spray at shoot emergence and at tuber initiation with Komodo applied at tuber initiation
4. Nutricor + Komodo ("2/2+2/2+2/0") + GSP — 2 GPA in-furrow at planting, 2 GPA foliar spray at shoot emergence and at tuber initiation with Komodo applied at shoot emergence and tuber initiation
5. Nutricor + Komodo ("2/2+2/2+2/0") + reduced GSP — 2 GPA in-furrow at planting, 2 GPA foliar spray at shoot emergence and at tuber initiation with Komodo applied at shoot emergence and tuber initiation with GSP reduced 25%

Results and Conclusions

The total yield for Nutricor with Komodo at shoot emergence ("2/2+2/2/0") was 565.8 hundredweight per Acre (cwt/A), compared to 607.3 cwt/A for Nutricor with Komodo at tuber initiation ("2/2/2+2/0") and 630.3 cwt/A for Nutricor with Komodo at both shoot emergence and tuber initiation ("2/2+2/2+2/0"). This equates to a 3.4%, 11.0% and 15.2% increase in yield, respectively, over the GSP. Likewise, the yield for Nutricor with Komodo and reduced GSP was 606.5 cwt/A, a 9.7% increase over reduced GSP only. In conclusion, **Nutricor in combination with Komodo can be an excellent tool for boosting yield effectively. The application timing of Komodo may be an important factor in improving yield.**



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

