

Black Dry Beans

2015 Research Summary

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Trial Summary

Researched By: Mid-Michigan Consulting

Location: DeWitt, MI

Growing Season: 2015

Objective: To evaluate the benefits of Nutricor[®] and 2x2 side-dress applications on the yield of Black Dry Beans.

Methodology

Prior to planting, conventional tillage was implemented to prepare the field. Black Dry Beans were then planted on June 10 using a corn seeder at a rate of 75,000 seeds/A, with emergence occurring on June 18. Beans were harvested on November 4 and total yield was calculated after harvest. The experimental design used was a randomized complete block using four replications.

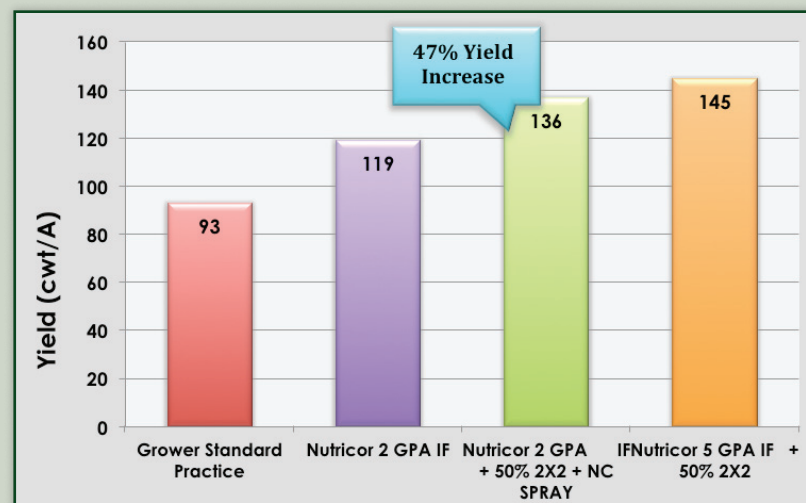
Treatment Applications

For dry beans, the grower standard practice (GSP) in Michigan is to side-dress 18-46-0 at planting. Nutricor applications in-furrow with or without reduced side-dress rates or with Nutricor foliar applications were evaluated. Specific treatments were:

1. GSP: 200 lbs./A of 18-46-0 applied 2x2 at planting.
2. Nutricor – 2 gallons/acre (GPA) in-furrow (IF) only
3. Nutricor – 2 GPA IF plus 100 lbs./A 18-46-0 applied 2x2 side-dress at planting (50% reduction). Foliar application of Nutricor at 2 GPA 19 days after planting.
4. Nutricor – 5 GPA IF plus 50% 2x2 side-dress

Results and Conclusions

The total yield was 119 hundredweight per acre (cwt/A) for Nutricor at 2 GPA, compared to 136 cwt/A when using Nutricor at 2 GPA with reduced 2x2 side-dress and later foliar spray, and 145 cwt/A when using Nutricor at 5 GPA with reduced side-dress. This equates to a 28%, 47% and 56% increase in yield, respectively, over the GSP. **The use of Nutricor at a rate of 2 GPA applied in-furrow particularly with a reduced side-dress application can be used as a tool to enhance yields of black dry beans.**



 **Nutricor[®]**

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