

# Great Northern 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<sup>®</sup> and 2x2 side-dress applications on the yield of Great Northern Dry Beans.

## Methodology

Prior to planting, conventional tillage was implemented to prepare the field. Great Northern Dry Beans were 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.

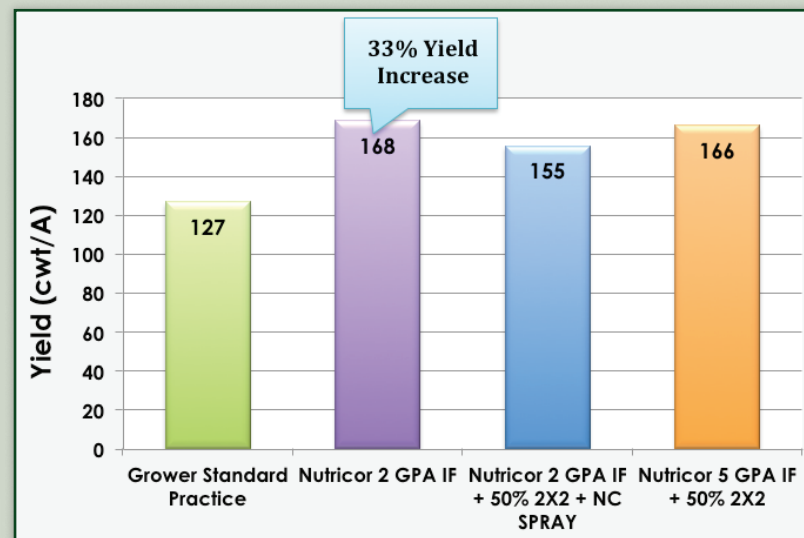
## Treatment Applications

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). A 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 168 hundredweight per acre (cwt/A) for Nutricor at 2 GPA, compared to 155 cwt/A when using Nutricor at 2 GPA with reduced 2x2 plus foliar spray and 166 cwt/A when using Nutricor at 5 GPA with reduced 2x2 side-dress. This equates to a 33%, 23% and 31% increase in yield, respectively, over the GSP. **Nutricor appears to provide an excellent tool for growers, providing the option to increase yields and reduce base fertilization.**



 **Nutricor<sup>®</sup>**

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