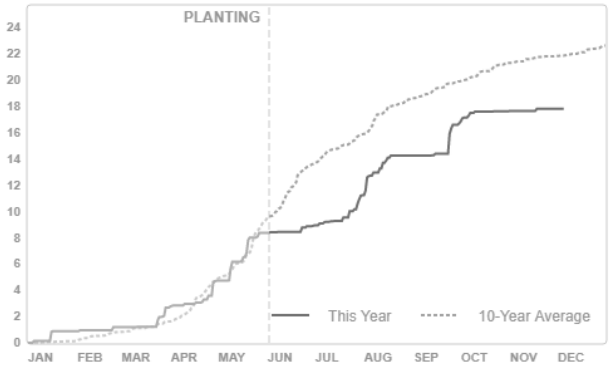
15" vs 30" Row Spacing for Dry Beans

Study ID: 706029201701
County: Chase
Soil Type: Goshen silt loam rarely flooded
Planting Date: 6/2/17
Harvest Date: swathed on 9/19/17, harvested on 10/12/17
Variety: Torreon
Reps: 4
Previous Crop: Corn
Tillage: No-Till
Herbicides: ***Pre:*** Roundup®, Dual®, and Permit® at labeled rates on 6/4/17 ***Post:*** Varisto™ and Outlook® at labeled rates on 7/1/17
Seed Treatment: fungicide and inoculant
Foliar Insecticides: None
Foliar Fungicides: Nu-Cop® fungicide on 7/20/17; Regalia® Rx on 8/8/17

Fertilizer: 15 gal/ac 8-20-5-5-0.5 (N-P-K-S-Zn) 2x2 (2" on side of seed) on 6/2/17; 10 gal/ac 32-0-0 with herbicide on 6/4/17; and 1 gal/ac Black Label Zn with herbicide on 7/1/17
Irrigation: Pivot
Rainfall (in):



Introduction: The purpose of this study was to evaluate dry beans planted in 15" versus 30" row spacing. The 15" row spacing was planted at 120,000 seeds/ac and the 30" row spacing was planted at 100,000 seeds/ac. The study was harvested using the traditional method of cutting and windrowing followed by combining.

Results:

	Yield (bu/acre)†	Marginal Net Return‡ ($/ac)
15"	20 A	228.88 A
30"	20 A	230.95 A
P-Value	0.68	0.94

*Values with the same letter are not significantly different at a 90% confidence level.
†Bushels per acre corrected to 14% moisture.
‡Marginal net return based on $24/cwt ($14.40/bu at 60 lb/bu), $65/ac seed cost for the 15" row spacing treatment with 120,000 seeds/ac and $51/ac seed cost for the 30" row spacing treatment with 100,000 seeds/ac.

Summary: There was no difference in yield or net return between the 15" and 30" row spacing treatments. Hail on the field resulted in a 40 percent hail insurance adjustment.

Sponsored by: University of Nebraska Lincoln; Nebraska Corn Board

In Partnership with: Nebraska Soybean Checkoff; Nebraska Corn Growers Association; Nebraska Dry Bean Commission