Dry Bean Row Spacing Trial

Trial ID: 2025-DBRS01 – R.M. of North Norfolk

Objective: Quantify the agronomic and economic impacts of different row spacings on dry bean production.

Summary: There was no significant yield difference between 15'' and 30'' row spacing. Average early season plant establishment and late season plant survivability were similar between row spacing. The lowest pod bearing node height was also similar between row spacing. Weed pressure was noted to be higher at beginning seed (R5) in the 30'' rows compared to 15'' rows but weed density was not quantified.

Trial Information

Treatment	15" vs. 30" rows
Soil Texture	Loamy Fine Sand
Previous Crop	Corn
Tillage	Conventional Tillage
Seeding Equipment	40 ft Planter
Seeding Date	22/05/25
Variety	Navy Bean T9905
Germination	85%
Seeding Rate	11,0000 seeds/ac
Harvest Date	24/09/25

Precipitation (mm)

	May	June	July	Aug	Total
Rainfall	28.5	14	71	100	213.5
Normal	64.16	85.52	67.07	65.64	282.39
% Norm	44%	16%	106%	152%	76%

Plant Stand (plants/ac) ǂ

	V2	R5
15" Rows	86,625 A	88,500 A
30" Rows	85,125 A	86,750 A

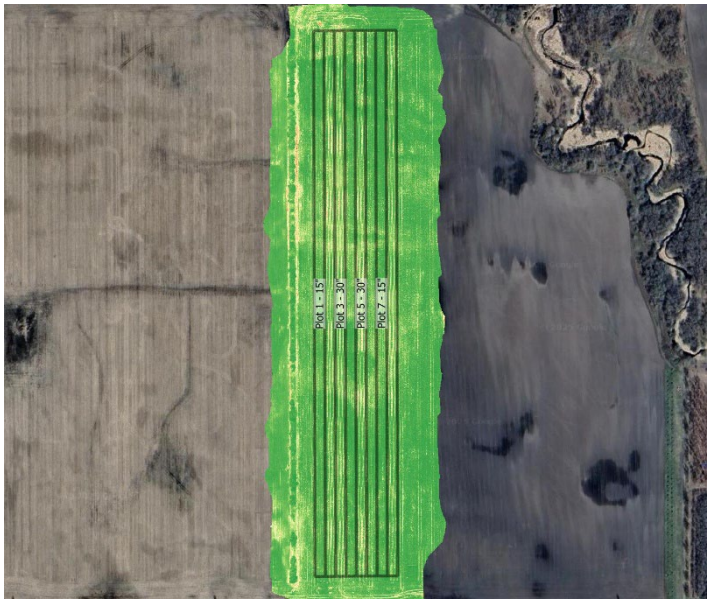
ǂ Columns followed by different letters are significantly different from one another

Lowest Pod Height (cm) ǂ

	Lowest Pod Height (cm)
15" Rows	6.6 A
30" Rows	6.9 A

ǂ Lowest pod height measurements are the distance between the soil surface and attachment point of the lowest pod bearing node on the stem. Columns followed by different letters are significantly different from one another.

NDVI Field Image July 15



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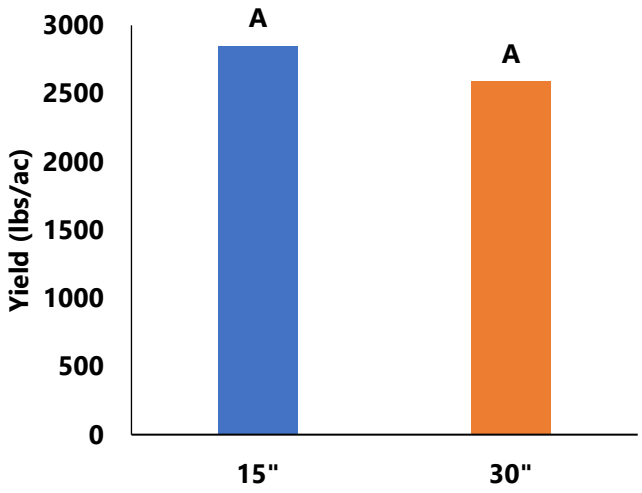
Yield by Treatment



Overall Yield & Economics†

	Mean (lbs/ac)	Change in Profit/ac †
15" Rows	2851	n/a
30" Rows	2589	n/a
Difference	262	
P-Value	0.0521	
CV	7.4%	
Significance	**No**	**Economic N/A**

† Economics of how different row widths are achieved in the field are very farm and equipment specific. As a result, they are not estimated here.

Dry bean row spacing trial (2025-DBSR01) on July 28 at beginning seed (R5) stage. 15'' rows (left side of photo) and 30'' rows (right side of photo).

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