

## Twin Row Soybean Populations

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### Objective

To determine the ideal seeding rate for Twin Row soybeans.

### Background

Crop Year:	2015	Tillage:	No-till
Location:	OSU Unger Farm	Soil Test:	pH-6.8, P-49ppm, K-93ppm
County/Town:	Crawford/Bucyrus	Planting Date:	May 12, 2015
Soil Type:	Blount/Pewamo	Variety:	S28-A2
Drainage:	Systematic	Seeding Rate:	Various
Previous Crop:	Corn	Harvest Date:	October 13, 2015
		Rain fall:	21.2 inches

### Methods

Plots were laid out in a randomized complete block design consisting of 4 different seeding rates: 125,000 seeds/acre; 150,000 seeds/acre; 175,000 seeds/acre; and 225,000 seeds/acre. NK S28-A2 soybeans treated with Cruiser Maxx and Vibrance were planted on May 12<sup>th</sup> using a Great Plains YP 1225 planter set up in a twin row configuration consisting of two rows 8 inches apart then a 22 inch spacing. The field had a pre-application of 2.5 oz Canopy and a post-application of 24 oz of Glyphosate. Soybeans were then harvested on October 13<sup>th</sup> using a modified Gleaner K plot combine harvesting plots that were 7.5 feet by 33 feet.

### Results

Table 1. Soybean yields at various populations

	Yield (bushels/acre)
125,000	44.17
150,000	38.83
175,000	52.13
225,000	52.6
<b>C.V. = 25.63 P&gt;F=0.103</b>	

### Summary

There was not a significant difference between yields in this population study. The weather in 2015 caused a lot on variation in this trial between and within reps shown by the high CV.



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