Objective
To determine the ideal seeding rate for Twin Row soybeans.

Background
Crop Year: 2015
Location: OSU Unger Farm
County/Town: Crawford/Bucyrus
Soil Type: Blount/Pewamo
Drainage: Systematic
Previous Crop: Corn
Tillage: No-till
Soil Test: pH-6.8, P-49ppm, K-93ppm
Planting Date: May 12, 2015
Variety: S28-A2
Seeding Rate: Various
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 12th 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 13th using a modified Gleaner K plot combine harvesting plots that were 7.5 feet by 33 feet.

Results

<table>
<thead>
<tr>
<th>Population (seeds/acre)</th>
<th>Yield (bushels/acre)</th>
</tr>
</thead>
<tbody>
<tr>
<td>125,000</td>
<td>44.17</td>
</tr>
<tr>
<td>150,000</td>
<td>38.83</td>
</tr>
<tr>
<td>175,000</td>
<td>52.13</td>
</tr>
<tr>
<td>225,000</td>
<td>52.6</td>
</tr>
</tbody>
</table>

C.V. = 25.63  P>F=0.103

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.
Acknowledgement

The author expresses appreciation to Chuck Smith and Steve Prochaska for their assistance in planting, weed control, and harvesting plots.