

Soybean Seeding Rate x Planting Date x Seed Treat

Locations: East Grand Forks, MN (Polk Co.), Hendrum, MN (Norman Co.),
Barnesville, MN (Clay Co.) and Newfolden, MN (Marshall Co.)

Plot Layout: Soybeans were planted at 2 different planting dates using a split plot design

Objectives:

Evaluate soybean response to different populations at different planting dates with and without a seed treatment. Seeding rates were between 75000 and 200000 Live Seeds Per Acre at intervals of 25000. All populations were planted with and without a seed treat. Planting dates for the “Early” Planting Date were between May 21 and May 28. The planting Date for the “Late” Treatment was June 25.

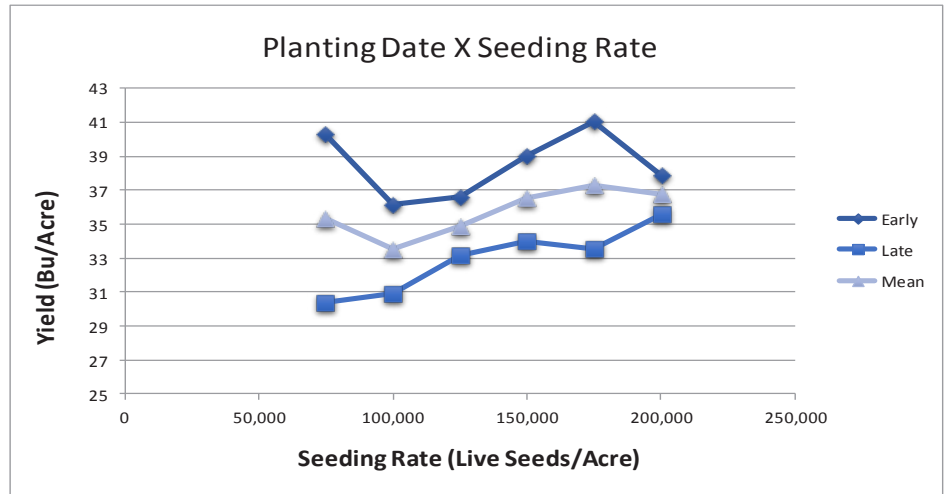
Results:

Planting date had a significant affect on yield.

Seeding Rate had a significant effect on yield

There was also a significant interaction between planting date and population.

Seed Treatment produced no significant effect on yield at any location or across 4 locations.



Seeding Rate	Yield (Bu/Acre)
75000	35.3443
100000	33.5528
125000	34.8929
150000	36.5074
175000	37.2889
200000	36.7411

Mean 35.79662
CV 3.786670362
LSD 2.2495375

Seeding Rate	Early	Late
75,000	40.294	30.3947
100,000	36.1565	30.9491
125,000	36.6074	33.1783
150,000	39.0544	33.9605
175,000	41.0598	33.518
200,000	37.9133	35.5689

Mean 35.72124167
CV 5.321763498
LSD 4.304307

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