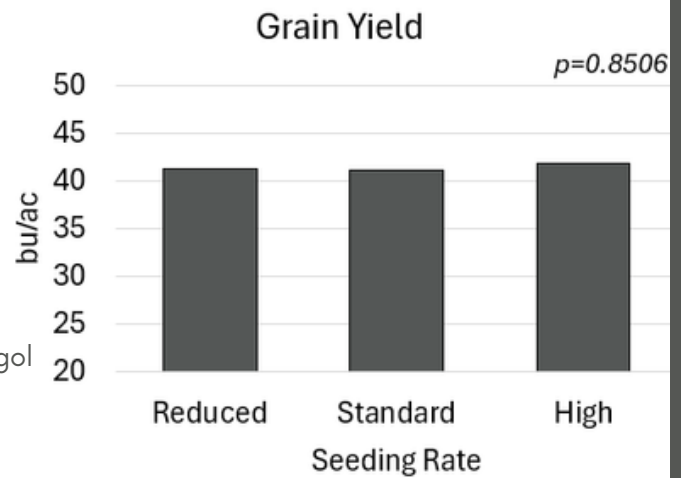


Seeding Rate Trial SR_15

Site Info

Trial ID: SR_15
Rural Municipality: Grey
Seeding Date: May 23, 2024
Seeding Equipment: John Deere 1790 (Planter)
Variety: L356PC
Seed Treatment: BUTEO Start 480 FS/Prosper Evergol
TKW: 5 g/1000 seeds
Row Spacing: 15 in
Harvest Date: Sept 11, 2024

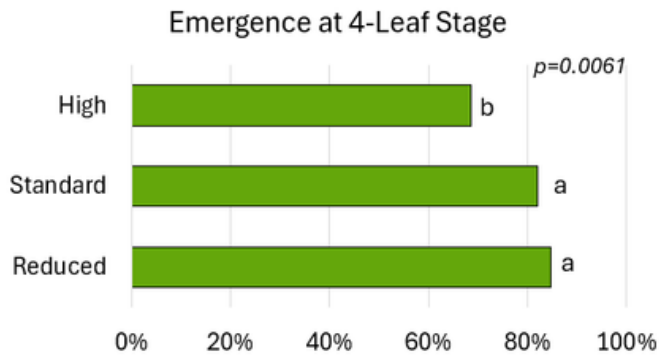


Treatment	Seeding Rate		Plant Counts (ft2)	
	Lbs./ac	Seeds/ac	4 Leaf	Maturity
Reduced Seeding Rate (75%)	2.4	190,000	3.7 b	4.3 b
Standard Seeding Rate (100%)	2.8	250,000	4.7 a	5.2 a
High Seeding Rate (150%)	3.4	310,000	4.9 a	5.2 a

p-value

0.0012

0.0136



Results Summary

Plant Establishment: At the 4 leaf stage and maturity growth stages there was a reduced plant stand as seeding rates reduced to the low seeding rate treatment. Plant stand was higher at maturity than 4 leaf for all treatments indicating that there was likely delayed germination across this trial. Emergence was 14% lower with the high seeding rate treatment compared to the standard rate.

Grain Yield: N rate had no significant influence on grain yield in this trial.

Additional considerations: risks associated with low plant populations outside the scope of this trial include reduced competitiveness against field pests

	Apr	May	June	July	Aug	Sept	Total
Rainfall (mm)	30.5	108.4	118.7	40.2	54.5	52.2	404.5
Avg Daily Temp (C)	6.11	12.12	16.30	20.73	17.63	17.63	

Agronomic Support for this Trial Provided by:

