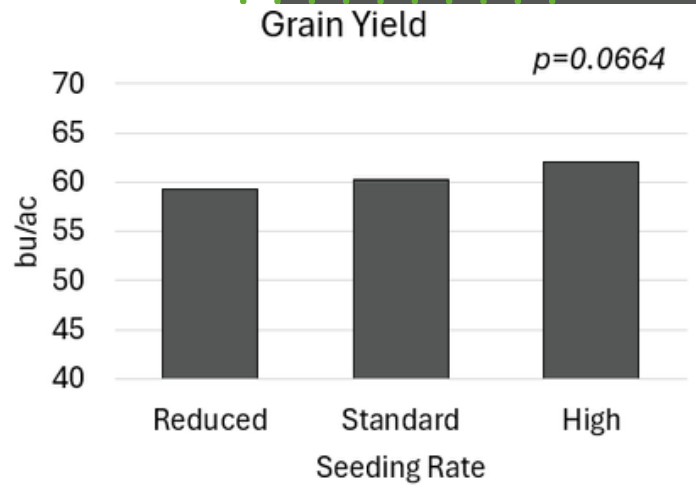


Seeding Rate Trial SR_17

Site Info

Trial ID: SR_17
Rural Municipality: Morris
Seeding Date: May 20, 2024
Seeding Equipment: Bourgault Disc Drill
Variety: L340PC
Seed Treatment: Helix, Buteo Start
TKW: 4.9 g/1000 seeds
Row Spacing: 10 in
Seed-placed Fertilizer: 12 lbs/ac Urea + 15 lbs/ac ESN/Rock 40 blend (50-45-0-7-1.1 Z)
Harvest Date: Sept 11, 2024



Treatment	Seeding Rate		Plant Counts (ft2)	
	Lbs./ac	Seeds/ac	4 Leaf	Maturity
Reduced Seeding Rate (75%)	2.25	208,469	3.9 b	4.1
Standard Seeding Rate (100%)	3.0	277,959	4.8 b	4.2
High Seeding Rate (150%)	3.75	347,449	6.0 a	4.3

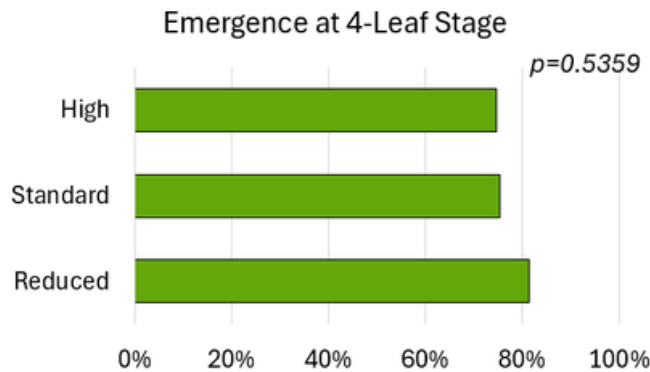
p-value

0.0012

0.9576

Results Summary

Plant Establishment: Plant population increased at the 4 leaf stage as the seeding rate treatments increased from low to high. Survival from 4 leaf to maturity was increased with the low seeding rate treatment and as a result the plant populations across the three treatments were very similar at maturity. Emergence was not significantly influenced by seeding rate treatments in this trial.



Grain Yield: There was no significant differences in grain yield across the three seeding rate treatments 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)	35.4	66.6	127.4	38.4	69.4	5.4	342.6
Avg Daily Temp (C)	5.87	13.14	17.22	21.64	17.83	17.83	

Agronomic Support for this Trial Provided by:

