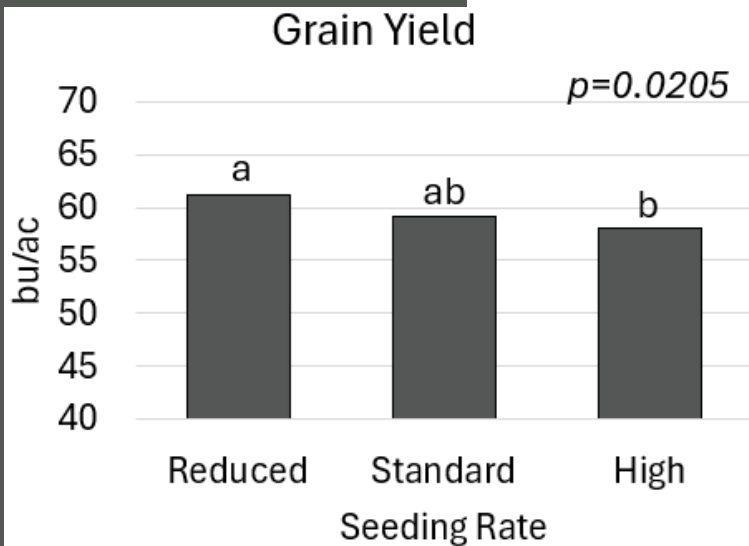


Seeding Rate Trial SR_14



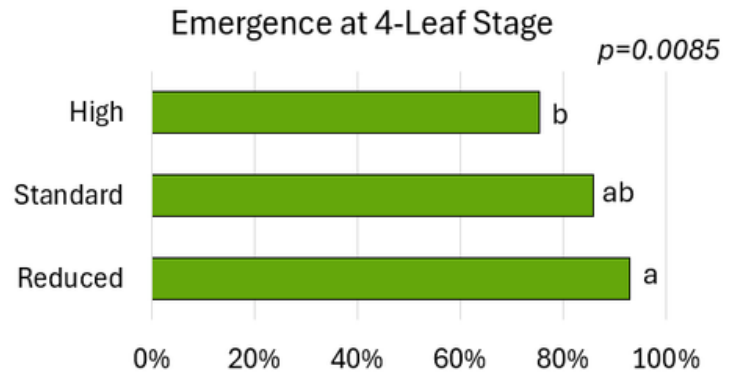
Site Info

Trial ID: SR_14
Rural Municipality: Lac du Bonnet
Seeding Date: May 17, 2024
Seeding Equipment: Horsch Disc Drill
Variety: L350PC
Seed Treatment: BUTEO Start 480 FS / Helix Vibrance
TKW: 5g/1000 seeds
Row Spacing: 10 in
Seed-placed Fertilizer: 100 Lbs/ac (12-40-0-10)
Harvest Date: Sept 4, 2024

Treatment	Seeding Rate		Plant Counts (ft2)	
	Lbs./ac	Seeds/ac	4 Leaf	Maturity
Reduced Seeding Rate (75%)	3.1	281,228	6 b	6.4 a
Standard Seeding Rate (100%)	3.9	353,808	7 a	6.8 a
High Seeding Rate (150%)	4.7	426,377	7.4 a	7.4 a
	<i>p-value</i>		0.0045	0.1598

Results Summary

Plant Establishment: At the 4 leaf stage and maturity growth stages there was an increased plant stand as seeding rates increased. Emergence was higher for the reduced seeding rate treatments compared to the high seeding rate treatment. Plant survival from 4-leaf to maturity was very close to 100% for all treatments.



Grain Yield: Grain yield increased by 3.2 bu/ac from the low seeding rate to the high seeding rate 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)	42.4	83.3	82.2	87.7	29.1	0.7	325.4
Avg Daily Temp (C)	4.82	11.17	15.57	20.03	17.35	17.35	



**Agronomic Support for this Trial
Provided by:**

