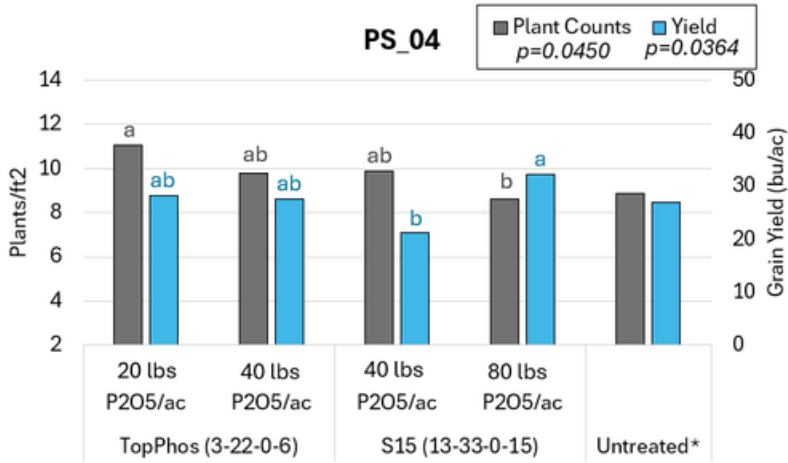


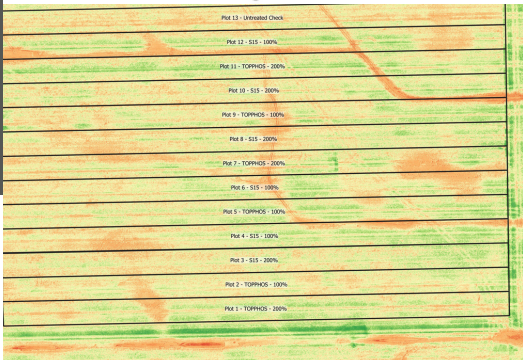
# Phosphorus Source Trial PS\_04



\*untreated treatment was not replicated. Treatments with similar lowercase letters within a data type are not statistically different at 95% confidence. Data types with no lowercase letters indicate an insignificant treatment effect.

## Site Info

**Trial ID:** PS\_04  
**Rural Municipality:** Morris  
**Seeding Date:** May 22, 2024  
**Soil Residual P (0-6in):** 8 ppm  
**Seeding Equipment:** John Deere N560F  
**Opener Type:** Disc  
**Row Spacing:** 10 in  
**Seedbed Utilization:** 7.5%  
**Seeding Rate:** 2.8 lbs/ac (4.2 TKW)  
**Variety:** DKLL 83 SC  
**Harvest Date:** Sept 15, 2024



Treatment	Phosphorus Source	Rate (lbs. P <sub>2</sub> O <sub>5</sub> /ac)	Total P @ Rosette (%)	Grain Moisture (%)
1	TOPPHOS 3-22-0-6	20	0.39	10.43
2	TOPPHOS 3-22-0-6	40	0.48	11.4
3	S15 13-33-0-15	40	0.55	9.1
4	S15 13-33-0-15	80	0.52	8.1
<b>p-value</b>			0.1369	0.1078

## Results Summary

**Plant Establishment:** There was no significant effect of P source treatments that had similar rates of P<sub>2</sub>O<sub>5</sub> applied on plant establishment in this trial.

**P Tissue:** There was no significant effect of P source on P tissue concentration at rosette stage in this trial.

**Grain Yield:** There was no significant of P source treatments on grain yield in this trial. Within the S15 treatments in this trial there was a significant increase in grain yield by 11 bu/ac from the low to high rates.

P availability for canola uptake is highly dependent on environmental conditions, these results are all from a single location in a single year. Caution should be used when interpreting results and making management decisions from data with limited replication.

	Apr	May	June	July	Aug	Sept	Total
<b>Rainfall (mm)</b>	38.3	130.3	144.2	38.3	73.7	50.9	475.7
<b>Avg Daily Temp (C)</b>	6.17	11.82	16.46	20.7	17.5	17.5	



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