

# 2025 Soybean Yield Trial

## Velva, North Dakota



2025 Soybean Yield Trial

01	16	02	12	03	08	04	15	05	10	06	19	07	14	08	10	09	11	06	21	20	22	23	24	25	15	19	16	14	13	12	17	03		
18	10	02	20	03	10	07	15	14	12	09	01	19	02	17	13	11	05	01	19	02	17	13	11	05	01	04	05	08	06	16	03			
21	09	05	07	04	17	01	20	18	16	13	04	14	12	08	10	06	02	19	17	11	15	12	03	09	05	07	04	17	01	20	18	16	13	04
13	02	10	03	11	14	06	11	05	17	02	03	08	11	12	18	04	16	15	16	07	19	09	20	10	20	10	20	10	20	10	20	10	01	

### Analysis of variance

Variate: YIELD\_Bu\_A

Source of variation	d.f.	s. s.	m. s.	v. r.	F pr.
RowReps stratum	3	447.029	149.010	16.39	
ColReps stratum	3	113.524	37.841	4.16	
RowReps.ColReps.*Units* stratum					
Variety	19	1130.965	59.524	6.55	<.001
Residual	54	490.849	9.090		
Total	79	2182.367			

### Stratum standard errors and coefficients of variation

Variate: YIELD\_Bu\_A

Stratum	d.f.	s. e.	cv%
RowReps	3	2.730	5.0
ColReps	3	1.376	2.5
RowReps.ColReps.*Units*	54	3.015	5.5

# Soybean Varieties

Variety	Company	Bu/Acre	Maturity (days)	Lodging (1-9)
S05XF73	Dyna-Gro	60.6	128.5	1.3
26XF03	Peterson	58.9	125.2	1.3
L 0172 E3	Latham Seed	58.4	126.5	1.3
L 0242 E3	Latham Seed	58.3	127.2	1.0
L 0412 E3	Latham Seed	58.1	128.5	1.0
S03XF36	Dyna-Gro	57.9	125.8	1.0
L 00992 E3	Latham Seed	57.7	120.0	1.0
XF60-42N	Proseed	57.1	125.0	1.0
S01XF25	Dyna-Gro	56.7	123.8	1.5
XF60-22N	Proseed	54.6	125.5	1.5
24XF04	Peterson	54.4	128.0	1.0
L 0114 XF	Latham Seed	54.1	123.5	1.8
XF30-09N	Proseed	51.3	121.0	1.8
XF60-092	Proseed	51.2	121.5	3.3
L 00826 XF	Latham Seed	50.4	118.5	2.5
XF60-082	Proseed	50.0	117.0	1.5
L 0284 XF	Latham Seed	49.0	125.0	1.5
XF60-32N	Proseed	47.6	125.2	1.3
<b>LSD (P=0.05)</b>				
		4.3	2.2	0.7
<b>CV (%)</b>				
		5.5	1.2	33.5
<b>p-value</b>				
		< .001	< .001	< .001
<b>Mean</b>				
		55.1	124.4	1.5
Planted May 27				
Harvested October 6				
Doubly Resolvable Row-Column Design				
Previous Crop Wheat				
Lodging 1 = no lodging, 9 = flat				

