

2026 Soybean Yield Trial

Velva, North Dakota



2026 Soybean Varieties

Variety	Company	Bu/Acre	Maturity (days)	Lodging (1-9)	Height (in)
L 0514 XF	Latham Seed	64.1	144	2.5	31.8
S05XF73	Dyna-Gro	62.8	135	3.5	33.8
AP 03XF5	AP Select	60.0	135	2.0	32.9
S03XF36	Dyna-Gro	59.7	133	1.8	31.1
AG01FX3	Asgrow	59.2	134	3.8	34.3
XF60-42N	Proseed	59.0	133	1.8	29.2
L 0524 E3	Latham Seed	58.9	140	1.8	29.0
L 0578 E3	Latham Seed	58.3	140	1.5	29.0
L 0284 XF	Latham Seed	58.1	137	2.3	30.1
L 0114 XF	Latham Seed	58.1	128	2.5	35.7
AP 02XF27	AP Select	58.0	134	3.0	32.0
XF60-22N	Latham Seed	57.7	133	2.0	30.2
Xitavo XO 0234E	BASF	57.3	140	1.3	27.7
S01XF25	Dyna-Gro	57.1	131	2.3	35.0
L 0242 E3	Latham Seed	56.0	140	1.5	29.9
AP 008XF27	AP Select	55.4	125	2.8	37.2
XF30-42	Proseed	55.0	136	1.8	30.4
XF30-092N	Proseed	54.5	125	3.3	33.3
L 0412 E3	Latham Seed	53.8	141	2.0	30.2
AP 01XF3	AP Select	53.1	131	2.3	33.7
XF70-092	Proseed	53.0	125	1.8	31.1
AP 009XF3	AP Select	52.9	128	2.0	32.2
Xitavo XO 0094E	BASF	51.6	135	1.5	24.4
XF60-082	Proseed	50.7	126	1.5	34.0
LSD (P=0.05)		5.3	5.1	1.21	2.9
CV (%)		6.6	2.7	39.7	6.6
p-value		< .001	< .001	< .003	< .001
Mean		56.8	134	2.2	32
Planted May 15					
Harvested October 6					
Doubly Resolvable Row-Column Design					
Previous Crop Durum					
Lodging 1 = no lodging, 9 = flat					

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73 14	74 12	75 6	76 24	77 7	78 5	79 22	80 20	81 17	82 11	83 10	84 21	85 8	86 19	87 16	88 23	89 13	90 4	91 15	92 9	93 2	94 1	95 3	96 18
49 9	50 21	51 13	52 22	53 11	54 1	55 14	56 8	57 3	58 18	59 2	60 15	61 7	62 6	63 10	64 20	65 17	66 24	67 16	68 23	69 4	70 12	71 5	72 19
25 17	26 10	27 18	28 3	29 23	30 19	31 4	32 7	33 1	34 5	35 9	36 16	37 21	38 15	39 2	40 12	41 14	42 11	43 13	44 8	45 22	46 24	47 6	48 20
1 16	2 4	3 8	4 20	5 15	6 2	7 6	8 24	9 13	10 12	11 23	12 19	13 1	14 9	15 18	16 22	17 5	18 3	19 7	20 11	21 17	22 14	23 21	24 10

Analysis of variance

Variate: YIELD_Bu_A

Source of variation	d.f.	s.s.	m.s.	v.r.	F pr.
RowReps stratum	3	112.95	37.65	2.70	
ColReps stratum	3	30.29	10.10	0.72	
RowReps.ColReps.*Units* stratum					
Variety	23	1026.99	44.65	3.21	<.001
Residual	66	919.27	13.93		
Total	95	2089.49			

Stratum standard errors and coefficients of variation

Variate: YIELD_Bu_A

Stratum	d.f.	s.e.	cv%
RowReps	3	1.252	2.2
ColReps	3	0.649	1.1
RowReps.ColReps.*Units*	66	3.732	6.6

