

**NDSU Langdon Research Extension Center**  
**2023 Variety Trial**

**Soybean - RR2XF, Enlist and GT - 2023**

**Cavalier - Pembina County (page 1-2)**

Brand	Variety	Herb. Trait	Maturity Group <sup>1</sup>	Maturity date <sup>2</sup>	Plant Height	Lodging	Oil %	Protein %	Yield		
									2023	2-yr Avg.	2-site Avg. <sup>3</sup>
Dahlman	7301XF	RR2XF	0.1	9/25	38	2.3	15.6	35.1	55.4	61.7	43.6
Dahlman	74009XF	RR2XF	00.9	9/22	33	2.3	16.4	33.4	49.1	--	40.6
Dahlman	7401XF	RR2XF	0.1	9/24	37	1.8	15.3	33.6	58.8	--	46.9
Dahlman	AE0140	Enlist E3	0.1	9/27	29	0.4	15.7	34.7	56.1	--	45.8
Dyna-Gro	S006XF83	RR2XF	00.6	9/13	33	1.1	16.7	31.9	54.0	63.3	41.5
Dyna-Gro	S009EN24	Enlist E3	00.9	9/23	29	1.4	15.7	34.9	58.1	--	45.8
Dyna-Gro	S009XF33	RR2XF	00.9	9/18	29	0.1	16.3	32.7	55.8	62.9	42.7
Golden Harvest	GH00864XF	RR2XF	00.8	9/21	34	1.0	15.8	34.0	60.7	--	45.3
Golden Harvest	GH00973E3	Enlist E3	00.9	9/21	29	1.0	16.0	34.2	57.9	65.8	45.2
Golden Harvest	GH0234E3	Enlist E3	0.2	9/28	31	0.3	15.3	34.4	63.4	--	50.9
Inn victis	A00821XF	RR2XF	00.8	9/19	32	1.9	16.3	32.9	53.0	54.2	42.3
Inn victis	A00979X	RR2XF	00.9	9/24	30	0.6	16.1	33.9	62.0	61.3	45.7
Integra	XF0063	RR2XF	00.6	9/15	36	0.5	16.5	32.1	56.3	62.0	45.5
Integra	E0113	Enlist E3	0.1	9/25	29	1.2	15.6	34.1	62.3	63.5	49.4
Integra	XF0082	RR2XF	00.9	9/20	35	1.9	16.1	33.7	50.1	52.6	41.4
Integra	E0084	Enlist E3	00.8	9/24	28	1.0	15.8	34.6	60.8	--	48.6
Legacy	LS0068-23 XF	RR2XF	00.6	9/19	34	0.6	16.2	32.4	54.7	--	43.7
Legacy	LS008-23 E	Enlist E3	00.8	9/24	28	1.5	15.8	34.4	56.0	--	45.0
Legacy	LS0098-23 XF	RR2XF	00.9	9/21	33	2.7	16.0	33.7	61.2	--	48.0
Legacy	LS012-23 E	Enlist E3	0.1	9/27	29	0.6	15.9	34.3	58.9	--	46.7
Legacy	LS014-23 XF	RR2XF	0.1	9/21	39	2.2	15.7	33.6	61.3	--	47.4
Legacy	LS024-23 XF	RR2XF	0.2	9/23	30	0.8	16.9	34.1	52.0	--	40.7
LG Seeds	LGS00719XF	RR2XF	00.7	9/17	35	1.2	16.9	33.1	62.8	--	47.3
LG Seeds	LGS0125XF	RR2XF	0.1	9/23	34	3.0	16.2	33.7	61.5	--	48.2
LG Seeds	LGS0139XF	RR2XF	0.1	9/21	36	2.1	15.5	34.0	60.0	--	48.6
NDSU	ND17009GT	GT	00.9	9/20	37	1.8	16.5	35.2	53.2	58.1	41.1
NDSU	ND21008GT20	GT	00.8	9/18	34	1.9	15.9	34.3	48.1	53.4	38.2
NK Seeds	NK009-G7E3	Enlist E3	00.9	9/22	30	1.7	15.5	34.9	55.6	64.9	43.4
NK Seeds	NK009-T1XF	RR2XF	00.9	9/19	31	1.8	16.1	33.1	55.0	61.6	42.7
NK Seeds	NK02-H6E3	Enlist E3	0.2	9/26	34	0.6	15.2	34.4	63.9	--	50.3
NK Seeds	NK03-V5E3	Enlist E3	0.3	9/26	32	2.3	15.9	34.8	65.6	--	--
Paloma	PL2E013	Enlist E3	0.1	9/27	31	0.9	15.5	33.9	55.9	--	44.8
Proseed	EL 40-093N	Enlist E3	00.9	9/29	28	0.6	15.7	34.4	47.6	--	38.1
Proseed	XF 30-062	RR2XF	00.6	9/14	33	0.7	17.0	32.2	53.9	62.4	43.1
Proseed	XF 30-092N	RR2XF	00.9	9/20	35	2.9	16.1	33.5	62.7	70.3	48.6
Proseed	XF 40-12	RR2XF	0.1	9/22	36	3.5	15.7	33.5	63.9	--	50.7

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Brand	Variety	Herb. Trait	Maturity Group <sup>1</sup>	Maturity date <sup>2</sup>	Plant Height	Lodging	Oil %	Protein %	Yield		
									2023	2-yr Avg.	2-site Avg. <sup>3</sup>
REA	R00934XF	RR2XF	00.9	9/19	37	1.1	15.7	32.8	61.8	--	47.5
Stine	01EG23	Enlist E3	00.9	9/26	30	0.0	15.7	34.6	60.1	--	48.3
Stine	03EG62	Enlist E3	0.2	10/1	28	0.6	15.8	33.3	54.6	--	42.3
Thunder	TE7101N	Enlist E3	0.1	9/25	28	0.2	16.1	33.2	59.7	67.1	47.3
Thunder	TE7302N	Enlist E3	0.2	9/22	28	1.6	16.0	33.5	61.8	65.0	46.9
Thunder	TX8301	RR2XF	0.1	9/20	30	0.4	16.0	33.1	58.1	64.4	44.2
Thunder	TX8402N	RR2XF	0.2	9/21	35	2.4	15.2	34.3	57.8	--	47.4
Xitavo	XO 0094E	Enlist E3	0.0	9/26	28	0.7	15.7	34.8	58.8	--	48.2
Xitavo	XO 0213E	Enlist E3	0.2	9/28	33	2.8	16.5	33.5	59.6	60.2	48.3
Xitavo	XO 0234E	Enlist E3	0.2	9/29	30	0.0	15.6	34.2	61.2	--	47.7
Trial Mean				9/22	32	1.4	16.0	33.8	57.6	--	--
C.V. %				1.6	6.8	93	1.8	1.6	6.7	--	--
LSD 5%				2.8	3.1	1.8	0.6	1.1	5.4	--	--
LSD 10%				2.3	2.6	1.5	0.5	0.9	4.5	--	--

Planting Date: May 25

Harvest Date: October 16

Previous Crop: Soybean

Soil Type: Fargo silty clay

<sup>1</sup>Maturity Group provided by company

<sup>2</sup>Date of physiological maturity at R7 stage (one brown pod on the main stem obtains mature brown or tan color).

<sup>3</sup>A 2-site average of our northern region, Pembina County (Cavalier) and Cavalier County (Langdon).