

**NDSU Langdon Research Extension Center  
2022 Variety Trial**

**Soybean - RR2X, RR2XF, Enlist E3 and GT - 2022**

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

Brand	Variety	Herb. Trait	Maturity Group <sup>1</sup>	Maturity date <sup>2</sup>	Plant Height in	Lodging 0-9	Protein %	Oil %	Yield		
									2022	2-yr Avg.	2-site Avg. <sup>3</sup>
Dahlman	AE0300	Enlist E3	0.1	10/2	32.3	0.9	32.8	15.9	57.4	67.3	63.8
Dahlman	7301XF	RR2XF	0.1	10/4	41.4	2.1	33.6	15.6	67.9	--	67.8
Dak-Sota	DE5301	Enlist E3	0.1	10/4	34.9	3.6	33.1	16.5	63.7	--	64.0
Dyna-Gro	S006XF83	RR2XF	00.6	9/24	35.7	1.1	32.4	16.9	72.7	--	70.3
Dyna-Gro	S009XF33	RR2XF	00.9	9/26	29.0	0.6	32.8	15.6	70.0	--	66.2
Dyna-Gro	S01XF43	RR2XF	0.1	9/26	32.0	0.3	34.2	15.5	68.7	--	69.8
Dyna-Gro	S02EN71	Enlist E3	0.2	10/2	28.8	0.1	32.8	15.9	73.3	61.3	71.1
Golden H.	GH00973E3	Enlist E3	00.9	9/26	30.6	1.1	33.9	15.7	73.8	--	72.6
Golden H.	GH00982XF	RR2XF	00.9	9/25	32.7	0.2	33.1	16.0	70.4	57.3	69.8
Golden H.	GH0213E3	Enlist E3	0.2	10/4	30.3	0.4	33.1	15.7	72.3	--	71.3
Inn victis	A00821XF	RR2XF	00.8	9/27	32.0	3.3	33.4	15.9	55.5	--	58.0
Inn victis	A00979X	RR2X	00.9	10/2	29.2	0.3	33.8	15.9	60.5	53.0	60.7
Inn victis	B00730E	Enlist E3	00.7	9/28	29.9	1.9	32.2	16.9	64.6	--	62.7
Integra	70063	RR2XF	00.6	9/25	34.1	1.8	32.3	16.4	67.6	--	
Integra	40089N	Enlist E3	00.8	9/30	33.4	3.1	32.2	16.5	59.3	51.2	57.4
Integra	40113N	Enlist E3	0.1	10/1	28.9	1.6	33.7	16.2	64.6	--	67.6
Integra	70082N	RR2XF	00.9	9/26	33.6	2.3	33.2	15.9	55.2	--	60.2
Legacy	LS-00930 RR2X	RR2X	00.9	9/29	30.7	0.0	33.9	16.0	63.9	57.1	64.6
Legacy	LS012-21E	Enlist E3	0.1	10/2	32.5	5.7	33.5	16.4	65.1	57.9	65.0
Legacy	LS014-22 XF	RR2XF	0.1	10/3	41.0	4.8	34.4	15.6	70.9	--	69.5
Legacy	LS-0239 RR2X	RR2X	0.2	10/1	37.1	5.1	33.5	15.2	67.9	61.2	69.2
Legacy	LS-0320 E3	Enlist E3	0.2	10/2	31.9	1.6	33.2	15.7	74.1	--	72.2
Legacy	LS032-22 E	Enlist E3	0.3	10/5	33.1	2.7	32.9	16.1	61.9	--	65.3
LG Seeds	LGS00663RX	RR2X	00.6	9/26	31.9	0.8	33.3	15.8	70.6	56.3	69.6
LG Seeds	LGS00838XF	RR2XF	00.8	9/26	33.7	2.9	34.0	15.5	56.6	48.6	60.0
LG Seeds	LGS0111RX	RR2X	0.1	10/3	36.6	3.3	33.9	15.9	72.5	60.9	70.6
NDSU	ND17009GT	GT	00.9	9/27	36.1	4.4	35.3	16.4	63.1	52.3	62.7
NDSU	ND21008GT20	GT	00.8	9/26	39.8	6.9	34.2	15.8	58.7	49.9	61.7
NK Seeds	NK009-G7E3	Enlist E3	00.9	9/27	29.6	0.8	34.3	15.6	74.1	--	71.7
NK Seeds	NK009-T1XF	RR2XF	00.9	9/26	29.6	0.3	33.2	16.2	68.2	57.3	70.1
NK Seeds	NK02-M4XF	RR2XF	0.2	9/27	32.4	1.6	32.6	16.3	72.4	--	70.9
NK Seeds	NK02-T4E3	Enlist E3	0.2	10/3	30.8	0.0	33.7	15.7	77.5	--	71.8
Pioneer	P009T18E	Enlist E3	00.9	10/1	30.1	1.9	31.9	16.8	54.2	48.8	54.0
Pioneer	P03A17X	RR2X	0.2	10/4	33.3	1.4	31.8	16.7	63.7	56.3	--
Pioneer	P03A26X	RR2X	0.3	10/6	36.8	0.8	31.8	16.3	66.5	60.4	--
Pioneer	P03T87E	Enlist E3	0.3	10/4	27.2	0.0	33.0	15.8	70.2	56.8	--
Pioneer	P04A98E	Enlist E3	0.4	10/6	29.2	0.3	33.1	15.8	67.0	--	--

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

Brand	Variety	Herb. Trait	Maturity Group <sup>1</sup>	Maturity date <sup>2</sup>	Plant Height in	Lodging 0-9	Protein %	Oil %	Yield		
									2022	2-yr Avg.	2-site Avg. <sup>3</sup>
Proseed	EL30-13	Enlist E3	0.1	10/4	33.9	3.8	33.6	16.3	64.5	--	63.6
Proseed	XF30-062	RR2XF	00.6	9/24	34.0	1.3	32.7	16.4	70.8	--	67.7
Proseed	XF30-082	RR2XF	00.8	9/25	29.3	0.2	33.5	15.8	70.6	--	66.4
Proseed	XF30-092N	RR2XF	00.9	9/28	35.8	4.9	33.1	15.9	77.9	--	77.5
Proseed	XF30-12	RR2XF	0.1	9/25	29.9	0.3	34.6	15.3	72.1	--	70.3
Proseed	XT80-20	RR2X	0.2	10/2	35.8	5.1	33.6	15.3	68.8	--	67.5
REA	R0112XF	RR2XF	0.1	10/3	39.4	3.6	34.2	15.2	76.5	62.1	71.9
REA	RX00912	RR2X	00.9	10/2	35.3	1.3	31.9	16.2	64.9	54.4	66.4
Stine	002EE06	Enlist E3	00.2	9/22	31.5	0.6	34.2	15.9	48.9	37.7	48.4
Stine	008EE02	Enlist E3	00.8	10/3	31.5	0.7	31.0	17.2	55.8	--	56.0
Thunder	TE7101N	Enlist E3	0.1	10/3	29.0	0.7	33.2	16.1	74.5	--	69.1
Thunder	SB87009	RR2X	00.9	9/27	36.6	4.2	34.3	14.8	68.4	--	66.6
Thunder	TE7302N	Enlist E3	0.2	9/29	28.9	2.6	33.8	15.6	68.2	--	67.7
Thunder	TX82008N	RR2XF	00.8	9/26	32.8	2.7	33.5	15.8	60.3	53.1	59.9
Thunder	TX8301	RR2XF	0.1	9/24	28.9	0.5	33.3	16.0	70.7	--	66.8
Xitavo	XO 0101E	Enlist E3	0.1	9/29	28.8	3.6	33.3	15.9	63.5	--	63.0
Xitavo	XO 0213E	Enlist E3	0.2	10/6	34.9	2.4	33.2	16.1	60.8	--	60.8
Trial Mean				9/29	32.9	2.1	33.3	16.0	66.4	--	--
C.V. %				1.5	8.9	53.2	1.3	1.7	7.5	--	--
LSD 5%				2.4	4.1	1.5	0.9	0.6	6.9	--	--
LSD 10%				2	3.4	1.3	0.7	0.5	5.8	--	--

Planting Date: June 6

Harvest Date: October 18

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).