

**NDSU Langdon Research Extension Center
2021 Variety Trial**

Soybean - RR2X, RR2XF, Enlist E3, GT **Langdon (Page 1-2)**

Brand	Variety	Herb. Trait	Maturity Group ¹	Maturity date ²	Plant Height in	Protein %	Oil %	Yield		
								2021	2-yr Avg	2-site Avg. ³
BioGene	BG8000	RR2X	00.9	9/10	37	32.3	16.5	59.6	59.0	54.5
BioGene	BG8006	RR2X	00.6	9/8	34	32.3	16.3	61.4	--	51.8
BioGene	BG9021E3	Enlist E3	0.2	9/18	34	32.8	15.4	62.4	--	53.6
Dahlman	1102E3N	Enlist E3	0.2	9/21	27	32.2	16.0	66.3	64.4	56.9
Dahlman	1201E3N	Enlist E3	0.1	9/18	33	32.1	15.8	64.5	--	54.6
Dairyland	DSR-0119E	Enlist E3	0.1	9/18	34	30.9	16.5	68.3	--	--
Dyna-Gro	S009XF52	RR2XF	00.9	9/6	31	31.3	16.9	55.9	--	46.5
Dyna-Gro	S009XT68	RR2X	00.9	9/12	36	33.4	15.0	63.2	63.3	57.2
Dyna-Gro	S02EN71	Enlist E3	0.2	9/20	26	32.2	15.9	67.7	--	58.4
Golden H.	GH00833E3	Enlist E3	00.8	9/13	37	32.7	16.3	65.9	61.5	54.1
Golden H.	GH00982XF	RR2XF	00.9	9/12	31	32.6	16.0	63.1	--	53.6
Golden H.	GH0272XF	RR2XF	0.2	9/11	33	31.5	16.3	59.1	--	55.4
Innvictis	A00918X	RR2X	00.9	9/11	35	32.3	15.9	60.7	--	51.5
Innvictis	A00979X	RR2X	00.9	9/13	29	34.1	15.8	66.6	--	56.0
Integra	40089N	Enlist E3	00.8	9/13	35	32.6	15.9	64.8	60.3	54.0
Integra	50081N	RR2X	00.8	9/8	30	34.4	15.5	52.8	55.1	44.3
Legacy	LS-00639N RR2X	RR2X	00.6	9/6	32	32.3	16.2	59.5	60.0	48.5
Legacy	LS0094-21 XF	RR2XF	00.9	9/8	31	31.3	16.4	52.5	--	45.7
Legacy	LS-00930 RR2X	RR2X	00.9	9/13	30	33.9	16.0	63.4	58.9	56.8
Legacy	LS012-20E	Enlist E3	0.1	9/15	29	32.3	15.9	61.1	63.4	53.8
Legacy	LS012-21E	Enlist E3	0.1	9/20	34	32.8	16.1	66.8	--	58.7
Legacy	LS-0239N RR2X	RR2X	0.2	9/15	35	31.5	15.8	66.7	65.6	60.5
LG Seeds	LGS00663RX	RR2X	00.6	9/9	33	33.3	15.7	61.7	62.4	51.9
LG Seeds	LGS00838XF	RR2XF	00.8	9/12	32	33.0	15.8	57.8	--	49.2
LG Seeds	LGS0111RX	RR2X	0.1	9/14	37	33.7	16.1	67.3	65.1	58.3
NDSU	21ND008GT20	GT	00.8	9/7	33	33.6	16.0	59.4	--	50.3
NDSU	ND17009GT	GT	00.9	9/11	36	34.7	16.5	56.1	55.7	48.8
P3 Genetics	2002E	Enlist E3	0.2	9/18	28	32.5	15.5	61.0	--	53.1
P3 Genetics	2201E	Enlist E3	0.1	9/21	35	32.8	16.2	60.6	--	56.0
Peterson	19EN008	Enlist E3	00.8	9/12	37	32.8	16.0	67.9	62.8	56.8
Peterson	21X007	RR2X	00.7	9/6	33	30.7	16.1	68.7	64.0	55.2
Peterson	22XF009	RR2XF	00.9	9/7	32	31.5	16.6	54.6	--	48.0
Pioneer	P005A83X	RR2X	00.5	9/7	32	32.6	16.6	56.9	--	--
Pioneer	P006A37X	RR2X	00.6	9/5	30	32.4	16.8	62.6	--	--
Pioneer	P009T18E	Enlist E3	00.9	9/11	34	32.4	16.1	62.8	--	53.0
Pioneer	P00A49X	RR2X	0.0	9/11	36	31.7	16.7	62.6	60.3	54.3
Pioneer	P01A84X	RR2X	0.1	9/17	32	31.3	16.8	61.0	57.1	49.5

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								2021	2-yr Avg	2-site Avg. ³
Pioneer	P01T92E	Enlist E3	0.1	9/17	33	31.9	16.3	61.1	--	--
Proseed	EL80-093N	Enlist E3	00.9	9/12	35	33.0	15.8	62.5	56.7	--
Proseed	XT20-07	RR2X	00.7	9/6	32	29.9	16.6	60.9	59.4	--
Proseed	XT80-20N	RR2X	0.2	9/13	35	32.0	15.6	65.5	--	--
REA	R0112XF	RR2XF	0.1	9/15	40	34.2	15.3	68.4	--	58.0
REA	RX00912	RR2X	00.9	9/11	35	31.2	16.6	59.4	--	51.7
Stine	002EE06	Enlist E3	00.6	9/2	32	33.6	16.0	47.5	--	37.0
Stine	01EA63	Enlist E3	0.0	9/14	31	33.2	15.5	67.7	64.3	55.2
Stine	01EE03	Enlist E3	0.1	9/20	35	33.1	16.2	64.2	--	57.4
Stine	03EB02	Enlist E3	0.2	9/16	28	32.0	15.6	62.7	--	54.6
Syng NK	NK009-T1XF	RR2XF	00.9	9/11	32	32.8	16.1	63.3	--	54.8
Syng NK	S006-R7X	RR2X	00.6	9/3	29	32.2	16.6	61.0	62.4	52.1
Syng NK	S008-E3	Enlist E3	00.8	9/11	34	33.1	15.8	64.4	61.3	57.1
Thunder	SB8001	RR2X	0.1	9/12	27	33.4	16.3	61.8	57.9	55.0
Thunder	SB81006	RR2X	00.6	9/6	31	30.3	16.6	56.8	57.8	48.7
Thunder	SB87009	RR2X	00.9	9/11	35	33.2	15.2	62.1	61.9	54.2
Thunder	SB88007N	RR2X	00.7	9/8	34	32.5	16.6	60.3	58.3	51.4
Thunder	TE71008N	Enlist E3	00.8	9/11	36	32.5	16.2	61.8	60.5	55.0
Thunder	TX82008N	RR2XF	00.8	9/12	34	32.7	15.9	63.1	--	54.5
Trial Mean				9/12	33	32.7	16.1	61.5	--	--
C.V. %				1.6	7.9	1.5	1.6	8.2	--	--
LSD 5%				2.6	3.7	1.0	0.5	7.1	--	--
LSD 10%				2.2	3.1	0.8	0.4	5.9	--	--

¹Maturity Group provided by company

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

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

Yield, oil and protein reported at 13% moisture.

Planting Date: May 22

Harvest Date: September 29

Previous Crop: Wheat

Soil Type: Svea-Barnes loam