

NDSU Langdon Research Extension Center
2020 Variety Trial

Soybean - Enlist, GT, RR and Xtend- 2020

Cavalier - Pembina County (Page 1-2)

Brand	Variety	Herb. Trait ¹	Maturity Group ²	Maturity date ³	Plant		Protein %	Oil %	Yield		
					Height in	Lodging 0-9			2020	2-yr Avg.	2-site Avg. ⁴
Biogene	BG8000	RR2XT	00.9	9/17	40	1.7	34.1	15.6	56.0	--	57.2
Biogene	BG8007	RR2XT	00.7	9/13	34	0.1	33.8	15.7	58.1	--	57.8
Biogene	BG8008	RR2XT	00.8	9/15	33	0.1	34.0	15.5	59.0	--	58.2
Dahlman	1102E3N	E3	0.2	9/21	31	0.0	33.5	15.6	63.0	--	62.7
Dahlman	68008XN	RR2XT	00.8	9/16	36	0.7	33.7	16.2	57.8	--	57.4
Dyna-Gro	S007XT27	RR2XT	00.7	9/16	36	0.2	33.6	15.8	54.8	45.4	56.0
Dyna-Gro	S009XT49	RR2XT	00.9	9/15	38	2.2	34.3	15.8	63.2	51.7	63.7
Dyna-Gro	S009XT68	RR2XT	00.9	9/16	41	1.1	34.3	14.9	65.2	53.4	64.3
Dyna-Gro	SX203007X	RR2XT	00.7	9/13	37	2.2	33.0	15.3	64.0	--	61.8
Golden H.	GH00833E3	E3	00.8	9/14	33	0.5	32.8	16.2	58.9	--	58.0
Golden H.	GH0145X	RR2XT	0.1	9/17	39	0.9	33.5	15.3	63.5	51.3	62.5
Integra	20097	RR2Y	00.9	9/17	40	2.0	34.2	16.3	62.3	50.5	63.1
Integra	40089N	E3	00.8	9/15	36	1.1	33.4	16.0	62.2	51.2	59.0
Integra	50060N	RR2XT	00.6	9/13	35	0.1	33.9	15.7	55.2	--	56.9
Integra	50081N	RR2XT	00.8	9/13	36	0.6	34.8	15.5	58.7	--	58.1
Legacy	LS 012--20	E3	0.1	9/19	33	0.4	34.1	15.6	62.7	--	64.2
Legacy	LS-00639N RR2X	RR2XT	00.6	9/12	35	0.0	33.8	15.8	58.3	48.9	59.4
Legacy	LS-00930 RR2X	RR2XT	00.9	9/20	32	0.2	35.1	15.6	59.7	48.8	57.0
Legacy	LS-0239N RR2X	RR2XT	0.2	9/21	36	2.0	33.3	15.2	63.2	54.4	63.9
LG Seeds	LGS00663RX	RR2XT	00.6	9/13	35	0.0	34.2	15.6	60.3	48.3	61.7
LG Seeds	LGS00899RX	RR2XT	00.8	9/15	37	1.8	33.2	16.0	59.2	49.1	59.1
LG Seeds	LGS0111RX	RR2XT	0.1	9/21	38	1.6	34.5	15.5	58.0	51.4	60.4
Innvictis Seed	A00918X	RR2XT	00.9	9/18	39	0.8	34.6	14.9	51.4	--	56.5
Innvictis Seed	A00979X	RR2XT	00.9	9/18	29	0.0	35.3	15.3	61.4	--	61.6
NDSU	ND17009GT	GT	00.9	9/16	38	1.0	36.3	15.9	54.9	46.0	55.1
PFS	18X008N	RR2XT	00.8	9/16	36	1.5	34.0	15.9	66.0	53.3	63.2
PFS	19EN008	E3	00.8	9/16	34	0.9	33.1	16.3	60.2	48.0	59.0
PFS	21X007	RR2XT	00.7	9/12	35	0.7	33.1	15.2	59.5	--	59.4
Pioneer	P00A49X	RR2XT	0.0	9/16	35	0.5	33.7	16.2	57.3	47.0	57.7
Pioneer	P00A75X	RR2XT	0.0	9/18	35	0.2	32.5	16.4	61.3	--	58.7
Pioneer	P03A17X	RR2XT	0.2	9/20	34	0.2	33.7	16.0	57.3	48.3	55.3
Pioneer	P03A26X	RR2XT	0.3	9/21	37	0.2	34.0	15.2	51.8	--	--
Pioneer	P01A84X	RR2XT	0.1	9/20	36	1.6	33.2	16.3	57.5	48.1	55.4

**NDSU Langdon Research Extension Center
2020 Variety Trial**

Soybean - Enlist, GT, RR and Xtend- 2020

Cavalier - Pembina County (Page 2-2)

Brand	Variety	Herb. Trait ¹	Maturity Group ²	Maturity date ³	Plant Height in	Lodging 0-9	Protein %	Oil %	Yield		
									2020	2-yr Avg.	2-site Avg. ⁴
Proseed	50-10RR2Y	RR2Y	0.1	9/18	41	1.5	33.5	16.8	61.1	51.7	60.2
Proseed	EL80-093	E3	00.9	9/20	33	0.7	33.6	15.8	56.4	--	53.7
Proseed	XT20-07	RR2XT	00.7	9/16	35	1.4	32.9	15.4	56.5	--	57.2
Proseed	XT60-09	RR2XT	00.9	9/17	39	1.5	35.2	14.3	60.5	50.0	61.3
Proseed	XT70-09N	RR2XT	00.9	9/17	36	1.1	33.5	16.1	61.1	--	59.8
REA	RX0228	RR2XT	00.7	9/18	42	1.4	35.0	15.4	57.7	49.9	--
REA	RX0327	RR2XT	00.8	9/21	36	0.0	35.5	15.2	62.1	--	--
Syng NK	S008-E3	E3	00.8	9/15	36	1.5	32.8	16.5	65.1	--	61.7
Syng NK	S01-C4X	RR2XT	0.1	9/18	37	1.4	33.8	14.8	62.0	52.2	--
Syng NK	S02-F9X	RR2XT	0.2	9/20	35	0.3	32.8	15.9	66.0	54.5	--
Syng NK	S03-E3	E3	0.3	9/21	35	0.5	33.7	15.4	65.4	--	--
Thunder	39005 RR2Y	RR2Y	00.5	9/12	32	0.8	33.8	16.5	61.5	--	61.7
Thunder	SB8001	RR2XT	0.1	9/20	31	0.0	35.3	15.5	61.3	48.5	57.7
Thunder	SB81006	RR2XT	00.6	9/14	38	1.1	33.1	15.5	62.8	--	60.8
Thunder	SB87009	RR2XT	00.9	9/17	38	1.2	35.3	14.7	57.3	49.4	59.5
Thunder	SB88007N	RR2XT	00.7	9/16	37	1.5	33.7	16.0	53.1	46.0	54.7
Thunder	TE71008N	E3	00.8	9/15	34	1.1	33.5	16.0	62.3	--	60.8
Trial Mean				9/16	35.8	0.9	34.0	15.7	58.4	--	--
C.V. %				1.1	6.0	91.0	1.3	2.1	7.7	--	--
LSD 5%				1.9	3.0	1.2	0.9	0.7	6.3	--	--
LSD 10%				1.6	2.5	1.0	0.7	0.6	5.3	--	--

¹Herbicide Trait - RRXT=RR2Xtend, GT=Glyphosate Tolerant, E3=Enlist

²Maturity Group provided by company

³Date of physiological maturity at R7 stage (one brown pod on the main stem obtains mature brown or tan color).
First frost/freeze was Sept. 8 with varying degrees of damage to the tops of the plants.

⁴A 2-site average of our northern region, Pembina County (Cavalier) and Cavalier County (Langdon).

Yield, oil and protein reported at 13% moisture.

Planting Date: May 18

Harvest Date: October 6