

NDSU Langdon Research Extension Center
2020 Variety Trial

Soybean - Enlist, GT, RR and Xtend- 2020

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Brand	Variety	Herb. Trait ¹	Maturity Group ²	Plant Maturity date ³	Plant Height in	Lodging 0-9	Protein %	Oil %	Yield		
									2020	2-yr Avg	2-site Avg. ⁴
Biogene	BG8000	RR2XT	00.9	9/14	34	0.3	34.0	15.2	58.4	55.9	57.2
Biogene	BG8007	RR2XT	00.7	9/11	35	2.0	32.9	15.7	57.4	51.3	57.8
Biogene	BG8008	RR2XT	00.8	9/11	31	0.6	33.2	15.6	57.4	52.0	58.2
Dahlman	1102E3N	E3	0.2	9/19	30	1.4	33.3	14.9	62.4	--	62.7
Dahlman	68008XN	RR2XT	00.8	9/13	34	0.7	32.4	15.9	56.9	--	57.4
Dyna-Gro	S007XT27	RR2XT	00.7	9/12	29	0.7	32.9	15.7	57.1	54.6	56.0
Dyna-Gro	S009XT49	RR2XT	00.9	9/14	35	1.1	33.0	15.5	64.1	58.3	63.7
Dyna-Gro	S009XT68	RR2XT	00.9	9/16	36	1.0	34.9	14.3	63.4	58.8	64.3
Dyna-Gro	SX203007X	RR2XT	00.7	9/10	36	2.0	31.9	15.6	59.6	--	61.8
Golden H.	GH00833E3	E3	00.8	9/14	30	1.2	32.9	15.7	57.0	--	58.0
Golden H.	GH0145X	RR2XT	0.1	9/13	34	0.9	33.0	15.4	61.4	55.8	62.5
Integra	20097	RR2Y	00.9	9/14	35	1.5	34.0	16.0	63.8	59.2	63.1
Integra	40089N	E3	00.8	9/14	29	1.8	32.8	15.8	55.8	56.1	59.0
Integra	50060N	RR2XT	00.6	9/11	34	0.6	33.6	15.4	58.6	--	56.9
Integra	50081N	RR2XT	00.8	9/8	30	0.1	34.7	15.2	57.4	--	58.1
Legacy	LS 012--20	E3	0.1	9/17	31	1.6	34.3	15.2	65.6	--	64.2
Legacy	LS-00639N RR2X	RR2XT	00.6	9/10	35	1.4	33.8	15.3	60.5	55.3	59.4
Legacy	LS-00930 RR2X	RR2XT	00.9	9/16	29	0.6	34.9	14.8	54.3	54.9	57.0
Legacy	LS-0239N RR2X	RR2XT	0.2	9/18	33	1.8	33.9	14.4	64.5	60.7	63.9
Legend	LS 005E953N	E3	00.5	9/14	31	1.5	32.9	15.5	53.3	50.4	--
Legend	LS 009E955N	E3	00.9	9/17	31	0.8	33.8	15.2	50.1	47.5	--
Legend	LS 009X852N	RR2XT	00.9	9/11	33	0.1	32.8	15.9	60.7	56.2	--
LG Seeds	LGS00663RX	RR2XT	00.6	9/10	32	1.1	33.4	15.8	63.0	56.8	61.7
LG Seeds	LGS00899RX	RR2XT	00.8	9/14	34	0.6	32.8	15.7	59.0	55.4	59.1
LG Seeds	LGS0111RX	RR2XT	0.1	9/18	37	1.6	34.2	15.1	62.8	59.6	60.4
Innvictis Seed	A00918X	RR2XT	00.9	9/16	38	0.7	34.6	14.8	61.6	--	56.5
Innvictis Seed	A00979X	RR2XT	00.9	9/17	29	0.9	34.5	15.0	61.7	--	61.6
NDSU	ND17009GT	GT	00.9	9/12	35	2.2	35.7	15.9	55.3	50.7	55.1
PFS	18X008N	RR2XT	00.8	9/13	33	0.0	33.1	16.0	60.4	56.0	63.2
PFS	19EN008	E3	00.8	9/14	33	1.6	33.2	15.9	57.7	55.8	59.0
PFS	21X007	RR2XT	00.7	9/9	34	0.9	32.0	15.8	59.3	--	59.4
Pioneer	P00A49X	RR2XT	0.0	9/12	32	0.8	32.8	16.0	58.0	55.7	57.7
Pioneer	P00A75X	RR2XT	0.0	9/17	31	0.5	32.4	16.0	56.1	--	58.7
Pioneer	P03A17X	RR2XT	0.2	9/17	30	0.4	32.8	16.1	53.3	49.8	55.3
Pioneer	P01A84X	RR2XT	0.1	9/17	33	2.1	33.6	15.5	53.2	53.0	55.4

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									2020	2-yr Avg	2-site Avg. ⁴
Proseed	50-10RR2Y	RR2Y	0.1	9/16	38	1.1	34.0	15.7	59.2	56.2	60.2
Proseed	EL80-093	E3	00.9	9/17	32	2.1	33.8	15.0	50.9	--	53.7
Proseed	XT20-07	RR2XT	00.7	9/11	33	1.7	32.5	15.3	57.8	--	57.2
Proseed	XT60-09	RR2XT	00.9	9/16	38	1.0	34.9	14.2	62.0	58.4	61.3
Proseed	XT70-09N	RR2XT	00.9	9/14	34	0.6	33.1	15.7	58.5	--	59.8
REA	RX00749	RR2XT	00.7	9/15	38	1.1	34.4	14.9	60.9	53.1	--
Stine	003EB62	E3	00.8	9/16	30	1.5	32.8	15.6	53.6	--	--
Stine	01EA63	E3	0.1	9/17	31	0.6	34.5	14.6	60.8	55.8	--
Syng NK	S006-R7X	RR2XT	00.6	9/7	31	0.5	33.5	16.2	63.8	55.6	--
Syng NK	S008-E3	E3	00.8	9/13	30	1.4	32.9	15.2	58.2	--	61.7
Thunder	39005 RR2Y	RR2Y	00.5	9/10	29	0.0	34.0	15.8	61.8	--	61.7
Thunder	SB8001	RR2XT	0.1	9/16	30	2.2	34.6	15.2	54.0	54.1	57.7
Thunder	SB81006	RR2XT	00.6	9/8	34	1.6	31.7	16.1	58.8	--	60.8
Thunder	SB87009	RR2XT	00.9	9/15	39	1.3	34.3	14.7	61.7	--	59.5
Thunder	SB88007N	RR2XT	00.7	9/14	33	0.0	33.1	15.6	56.3	53.5	54.7
Thunder	TE71008N	E3	00.8	9/12	33	2.2	33.8	15.6	59.2	--	60.8
Trial Mean				9/14	32.9	1.1	33.5	15.4	57.3	--	--
C.V. %				1.3	6.3	76.2	1.3	1.4	7.8	--	--
LSD 5%				2.1	2.9	1.2	0.9	0.4	6.2	--	--
LSD 10%				1.8	2.4	1.0	0.7	0.4	5.2	--	--

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, Cavalier County (Langdon) and Pembina County (Cavalier).

Yield, oil and protein reported at 13% moisture.

Planting Date: May 22

Harvest Date: September 29