

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

Soybean - Enlist, GT, RR and Xtend- 2020

Pekin - Nelson County (Page 1-2)

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
Dahlman	6004XN	RR2XT	0.4	9/21	34	0.1	35.1	15.1	60.1	--	66.5
Dahlman	6903XN	RR2XT	0.3	9/19	36	2.7	34.1	14.6	56.1	53.9	61.6
Dairyland	DSR-0119E	E3	0.1	9/18	33	1.0	32.2	15.9	55.6	--	62.5
Dairyland	DSR-0577E	E3	0.5	9/22	37	0.3	34.9	16.0	55.9	--	61.4
Dairyland	EC8-201E	E3	00.8	9/14	33	1.8	33.1	16.0	56.2	--	62.1
Dairyland	EC9-201E	E3	00.9	9/16	34	1.7	33.5	15.9	50.5	--	57.2
Dyna-Gro	S02EN71	RR2XT	0.2	9/19	29	0.0	33.9	15.0	58.7	--	68.4
Dyna-Gro	S03XT29	RR2XT	0.3	9/17	36	2.2	33.9	14.8	56.7	55.0	63.2
Dyna-Gro	S04XT91	RR2XT	0.4	9/19	32	0.0	33.9	15.6	63.3	--	68.2
Golden H.	GH0325E3	E3	0.3	9/16	31	0.0	33.6	15.4	58.5	--	67.2
Golden H.	GH0443X	RR2XT	0.4	9/18	34	0.2	35.0	15.3	59.8	--	--
Hefty	H04X8	RR2XT	0.4	9/21	35	0.3	35.0	15.6	61.9	--	66.2
Integra	40089N	E3	00.8	9/13	34	0.9	33.3	16.0	51.5	--	59.9
Integra	40201N	E3	0.2	9/19	30	0.2	33.8	15.2	56.9	--	65.3
Integra	50081N	RR2XT	00.8	9/6	33	0.1	35.1	15.4	56.1	--	61.6
Integra	50309N	RR2XT	0.3	9/16	36	2.7	33.9	15.1	56.8	53.0	63.2
Legacy	LS-0239N RR2X	RR2XT	0.2	9/17	36	2.7	34.1	14.8	56.2	57.1	64.9
Legacy	LS-0320N E3	E3	0.3	9/17	32	0.1	33.7	15.1	57.9	--	66.3
Legacy	LS-0429 E3	E3	0.4	9/21	35	1.2	35.8	15.5	56.0	53.4	62.9
Legacy	LS-0438	RR2XT	0.4	9/19	36	0.3	35.0	15.6	60.8	58.6	66.9
LG Seeds	LGS00663RX	RR2XT	00.6	9/8	34	0.0	33.4	15.9	57.6	51.2	64.4
LG Seeds	LGS00899RX	RR2XT	00.8	9/11	37	0.9	33.5	16.4	57.9	54.4	63.7
LG Seeds	LGS0111RX	RR2XT	0.1	9/16	38	0.8	34.7	15.6	56.8	54.3	63.7
LG Seeds	LGS0355RX	RR2XT	0.3	9/16	36	1.1	33.8	14.7	56.8	56.1	60.1
LG Seeds	LGS0400RX	RR2XT	0.4	9/19	37	0.4	33.5	15.5	62.9	57.7	69.9
NDSU	ND17009GT	GT	00.9	9/14	37	2.5	36.3	15.6	52.3	48.7	58.8
P3 Genetics	2002E	E3	0.2	9/17	33	2.4	35.0	14.9	59.1	--	64.5
P3 Genetics	2003E	E3	0.3	9/16	31	0.2	34.0	15.2	57.0	--	66.6
Proseed	50-10RR2Y	RR2Y	0.1	9/16	41	2.5	33.6	16.3	56.5	55.0	63.8
Proseed	EL80-093	E3	00.9	9/16	32	0.4	33.2	15.9	48.9	--	60.0
Proseed	XT20-07	RR2XT	00.7	9/11	35	0.4	32.6	15.8	52.5	--	62.0
Proseed	XT60-09	RR2XT	00.9	9/15	41	0.6	34.7	14.8	61.2	57.7	67.3
Proseed	XT70-09N	RR2XT	00.9	9/12	36	0.5	33.3	16.3	57.2	--	59.8
REA	RX0327	RR2XT	0.3	9/15	34	0.1	34.7	15.5	59.6	--	--
REA	RX0411	RR2XT	0.4	9/19	45	2.1	33.2	15.3	59.1	--	67.9
Stine	01EA63	E3	0.1	9/15	30	1.0	34.9	15.1	56.8	--	--
Stine	05EA23	E3	0.5	9/23	31	1.1	33.4	15.6	57.2	--	--

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Syng NK	S01-C4X	RR2XT	0.1	9/16	36	0.0	33.5	15.5	58.6	55.3	65.4
Syng NK	S02-F9X	RR2XT	0.2	9/16	33	0.2	32.7	16.2	59.8	55.6	68.5
Syng NK	S03-S6X	RR2XT	0.3	9/17	37	0.6	33.3	15.3	57.7	54.8	63.7
Syng NK	S04-Q7X	RR2XT	0.4	9/17	34	0.0	35.0	15.1	60.5	--	--
Syng NK	S05-N5X	RR2XT	0.5	9/19	31	0.1	33.7	15.5	59.7	59.9	--
Thunder	SB8001	RR2XT	0.1	9/14	31	0.0	34.6	15.9	58.4	52.0	69.4
Thunder	SB8104N	RR2XT	0.4	9/17	32	0.2	34.0	15.8	63.5	--	69.9
Thunder	SB8903N	RR2XT	0.3	9/17	36	1.8	33.8	14.9	57.0	55.7	61.5
Thunder	TE7003N	E3	0.3	9/16	32	0.5	33.3	15.4	56.0	52.0	63.4
Thunder	TE7101N	E3	0.1	9/19	29	0.0	34.2	15.0	57.4	--	68.1
Trial Mean				9/16	34.4	0.9	34.1	15.5	57.2	--	--
C.V. %				1.4	4.2	96.0	1.1	1.4	6.6	--	--
LSD 5%				2.1	2.0	1.2	0.8	0.4	5.3	--	--
LSD 10%				1.8	1.7	1.0	0.7	0.4	4.4	--	--

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. 9 with varying degrees of damage to the tops of the plants.

⁴A 2-site average of our southern region, Walsh County (Park River) and Nelson County (Pekin).

Yield, oil and protein reported at 13% moisture.

Planting Date: May 28

Harvest Date: October 5