

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

Soybean - Enlist, GT, RR and Xtend- 2020

Park River - Walsh 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
Biogene	BG8000	RR2XT	00.9	9/4	42	2.9	32.1	17.4	66.2	--	--
Biogene	BG8007	RR2XT	00.7	9/1	41	1.7	33.1	16.8	65.3	--	--
Biogene	BG8008	RR2XT	00.8	9/5	40	1.2	31.9	16.8	71.7	--	--
Dahlman	6004XN	RR2XT	0.4	9/11	39	1.8	33.8	16.5	72.9	--	--
Dahlman	6903XN	RR2XT	0.3	9/10	41	3.9	32.9	16.4	67.0	52.5	61.6
Dairyland	DSR-0119E	E3	0.1	9/9	42	5.4	32.7	16.9	69.3	--	62.5
Dairyland	DSR-0577E	E3	0.5	9/11	43	4.0	34.8	16.6	66.9	--	61.4
Dairyland	E8-201E	E3	00.8	9/8	43	5.1	32.9	16.6	67.9	--	62.1
Dairyland	E9-201E	E3	00.9	9/9	41	4.1	33.9	16.4	63.8	--	57.2
Dyna-Gro	S02EN71	RR2XT	0.2	9/8	36	0.7	33.4	15.8	78.0	--	68.4
Dyna-Gro	S03XT29	RR2XT	0.3	9/9	43	4.9	32.7	16.1	69.7	53.3	63.2
Dyna-Gro	S04XT91	RR2XT	0.4	9/9	41	0.3	33.4	16.6	73.0	--	68.2
Golden H.	GH0145X	RR2XT	0.1	9/6	42	1.8	32.6	16.7	70.2	51.0	--
Golden H.	GH0325E3	E3	0.3	9/7	41	0.7	32.9	16.2	75.8	--	67.2
Hefty	H04X8	RR2XT	0.4	9/11	41	2.2	33.3	16.5	70.5	--	66.2
Integra	40089N	E3	00.8	9/5	42	4.0	32.8	17.0	68.3	--	59.9
Integra	40201N	E3	0.2	9/10	35	1.3	33.1	16.7	73.7	--	65.3
Integra	50081N	RR2XT	00.8	9/3	38	1.5	34.0	15.7	67.1	--	61.6
Integra	50309N	RR2XT	0.3	9/8	43	3.9	33.8	16.0	69.6	52.3	63.2
Legacy	LS-0239N RR2X	RR2XT	0.2	9/8	42	4.5	33.5	15.8	73.6	55.8	64.9
Legacy	LS-0320N E3	E3	0.3	9/8	40	1.4	33.0	16.3	74.7	--	66.3
Legacy	LS-0429 E3	E3	0.4	9/12	42	4.2	34.3	16.4	69.8	52.3	62.9
Legacy	LS-0438	RR2XT	0.4	9/11	40	2.9	34.2	16.5	72.9	53.4	66.9
LG Seeds	LGS00663RX	RR2XT	00.6	9/1	40	1.9	32.6	16.4	71.1	48.2	64.4
LG Seeds	LGS00899RX	RR2XT	00.8	9/5	41	3.6	32.0	17.5	69.5	49.1	63.7
LG Seeds	LGS0111RX	RR2XT	0.1	9/10	46	3.8	33.8	16.6	70.5	53.0	63.7
LG Seeds	LGS0355RX	RR2XT	0.3	9/10	41	4.5	33.3	15.7	63.4	50.2	60.1
LG Seeds	LGS0400RX	RR2XT	0.4	9/11	42	2.6	32.3	16.7	76.8	58.1	69.9
NDSU	ND17009GT	GT	00.9	9/5	45	5.0	35.4	17.0	65.3	45.8	58.8
PFS	19EN008	E3	00.8	9/7	43	4.7	32.8	17.0	66.3	48.3	--
P3 Genetics	2002E	E3	0.2	9/8	37	3.7	33.5	16.2	69.9	50.9	64.5
P3 Genetics	2003E	E3	0.3	9/8	39	1.5	32.4	16.7	76.2	52.5	66.6

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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
Pioneer	P00A75X	RR2XT	0.0	9/5	39	1.6	33.0	17.6	72.1	--	--
Pioneer	P03A17X	RR2XT	0.2	9/7	37	0.6	31.8	17.6	67.1	51.4	--
Pioneer	P03A26X	RR2XT	0.3	9/10	42	2.7	32.7	16.8	69.5	--	--
Pioneer	P01A84X	RR2XT	0.1	9/8	41	2.5	33.5	17.0	69.7	50.9	--
Proseed	50-10RR2Y	E3	0.1	9/8	43	3.8	31.8	17.8	71.1	52.8	63.8
Proseed	EL80-093	E3	00.9	9/7	41	4.5	34.5	16.1	71.1	--	60.0
Proseed	XT20-07	RR2XT	00.7	9/4	42	3.8	31.6	16.7	71.5	--	62.0
Proseed	XT60-09	RR2XT	00.9	9/5	45	3.2	33.2	15.8	73.3	54.0	67.3
Proseed	XT70-09N	RR2XT	00.9	9/4	45	2.1	32.4	17.1	62.3	--	59.8
REA Hybrids	RX0228	RR2XT	0.2	9/7	45	2.3	33.0	16.7	66.6	47.3	--
REA Hybrids	RX0411	RR2XT	0.4	9/10	47	2.4	32.0	16.6	76.6	--	67.9
Syng NK	S01-C4X	RR2XT	0.1	9/7	44	3.1	32.4	16.3	72.1	52.2	65.4
Syng NK	S02-F9X	RR2XT	0.2	9/7	39	0.3	32.3	16.7	77.1	54.6	68.5
Syng NK	S03-E3	E3	0.3	9/9	40	1.3	32.4	16.7	81.3	--	--
Syng NK	S03-S6X	RR2XT	0.3	9/9	44	3.7	31.9	16.7	69.6	48.9	63.7
Thunder	SB8001	RR2XT	0.1	9/5	39	1.2	33.7	16.3	80.3	55.3	69.4
Thunder	SB8104N	RR2XT	0.4	9/9	39	0.7	33.0	17.0	76.3	--	69.9
Thunder	SB8903N	RR2XT	0.3	9/10	42	5.2	32.7	16.1	65.9	50.8	61.5
Thunder	TE7003N	E3	0.3	9/8	40	1.4	32.6	16.6	70.7	50.8	63.4
Thunder	TE7101N	E3	0.1	9/8	36	1.1	32.9	16.1	78.8	--	68.1
Trial Mean				9/8	40.9	2.8	33.1	16.6	68.5	--	--
C.V. %				1.5	5.5	36.6	1.5	1.9	9.1	--	--
LSD 5%				2.3	3.1	1.4	1.0	0.6	8.7	--	--
LSD 10%				2.0	2.6	1.2	0.8	0.5	7.3	--	--

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. 8-9 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 at 13% moisture.

Planting Date: May 16

Harvest Date: September 24