

**NDSU Langdon Research Extension Center**  
**2018 Variety Trial**

**Soybean - Roundup Ready - 2018**

**Langdon (Page 1-3)**

Brand	Variety	Herb. Trait <sup>1</sup>	Maturity Group <sup>2</sup>	Maturity date <sup>3</sup>	Plant Height in	Protein %	Oil %	Yield		
								2018	2 yr Avg.	2-site Avg. <sup>4</sup>
Allegiant	005X17	RR2XT	00.5	8/24	32	31.9	16.4	48.3	49.4	49.0
Allegiant	007X32N	RR2XT	00.7	8/22	27	32.1	16.6	48.2	--	51.5
Allegiant	008X30N	RR2XT	00.8	8/26	29	31.5	16.8	49.0	43.3	53.2
Allegiant	009X08	RR2XT	00.9	8/31	30	33.0	15.9	50.2	50.6	54.7
Allegiant	01R80	RR2Y	0.1	8/29	31	32.5	17.1	50.0	52.9	51.8
Allegiant	02X03	RR2XT	0.2	9/1	36	33.9	16.1	48.9	--	54.4
Channel	00717R2X	RR2XT	00.7	8/24	27	32.7	16.2	44.8	51.1	--
Channel	0218R2X	RR2XT	0.2	8/31	35	33.4	15.7	48.9	52.2	--
Dairyland	DSR-0200/R2Y	RR2Y	0.2	8/31	35	33.2	16.3	52.6	--	53.2
Dairyland	DSR-0225/R2Y	RR2Y	0.1	8/26	32	33.0	17.1	54.3	55.4	56.4
Dairyland	DSR-0509R	RR1	0.5	9/7	30	33.3	15.8	42.6	--	48.0
Dairyland	DSR-C709R	RR1	00.7	8/22	22	32.9	16.9	40.8	48.4	43.5
Dairyland	DSR-C999/R2Y	RR2Y	0.1	8/31	28	32.9	16.1	51.1	53.5	54.3
Dahlman	56009NRRR2Y	RR2Y	00.9	9/2	30	34.8	15.5	45.3	48.6	51.5
Dahlman	5601RR2Y	RR2Y	0.1	8/30	31	32.8	17.0	48.1	54.0	52.7
Dahlman	68008XN	RR2XT	00.8	8/25	32	32.0	16.7	50.1	51.8	50.9
Dyna-Gro	S005XT38	RR2XT	00.5	8/22	31	31.8	16.3	48.8	52.5	50.1
Dyna-Gro	S007XT27	RR2XT	00.7	8/22	28	32.5	16.0	49.4	56.7	51.5
Dyna-Gro	S007XT59	RR2XT	00.7	8/23	29	32.5	16.4	50.7	--	50.6
Dyna-Gro	S009XT49	RR2XT	00.9	8/31	33	32.8	15.9	49.2	--	55.9
Dyna-Gro	S009XT68	RR2XT	00.9	8/30	30	32.8	15.8	49.1	53.9	51.4
Golden H.	GH00866	RR2Y	00.8	8/21	31	32.5	17.0	48.3	54.5	51.1
Golden H.	GH0145X	RR2XT	0.1	8/30	30	32.5	15.9	48.4	--	53.9
Hefty	H008R6	RR2Y	00.8	9/2	31	33.4	15.9	39.1	45.9	45.1
Hefty	H008X8	RR2XT	00.8	8/26	31	31.9	17.0	49.4	--	52.4
Hefty	H009X7	RR2XT	00.9	8/31	32	32.9	15.8	46.3	48.4	52.0
Hefty	H02R3	RR2Y	0.2	9/8	28	34.4	15.3	42.4	--	41.2
Hefty	H02X9	RR2XT	0.2	8/31	29	32.9	15.7	48.6	--	52.2
Integra	20087	RR2Y	00.8	9/1	27	34.3	15.5	48.5	55.1	52.2
Integra	20097	RR2Y	00.9	8/30	32	33.1	16.8	50.7	57.5	52.0
Integra	50069	RR2XT	00.6	8/23	27	31.5	16.6	46.9	51.8	50.4
Integra	50098	RR2XT	00.9	8/25	27	32.3	16.5	41.1	50.5	45.0
Legacy	LS-00737N RR2X	RR2XT	00.7	8/23	28	32.7	16.3	45.2	53.2	48.1
Legacy	LS-00937 RR2X	RR2XT	00.9	8/30	31	33.2	15.6	48.9	54.2	51.8
Legacy	LS-0135 RR2	RR2Y	00.9	8/29	35	32.8	16.6	50.3	57.6	52.9
Legacy	LS-0237 RR2X	RR2XT	0.2	9/1	32	33.3	16.2	46.4	52.4	51.7
Legacy	LS-0239 RR2X	RR2XT	0.2	8/31	31	33.1	15.5	50.0	--	52.5

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								2018	2 yr Avg.	2-site Avg. <sup>4</sup>
Legend	LS 007R22	RR2Y	00.7	8/28	28	33.6	15.8	48.2	--	--
Legend	LS 007X956N	RR2XT	00.7	8/21	27	32.6	16.4	48.8	--	--
Legend	LS 009X852N	RR2XT	00.9	8/26	30	31.5	16.7	47.8	55.2	--
Legend	LS 01X850	RR2XT	0.1	9/1	31	33.0	15.9	49.0	--	--
LG Seeds	LGS00663RX	RR2XT	00.6	8/25	26	32.8	16.3	42.2	--	47.8
LG Seeds	LGS00885R2	RR2Y	00.8	9/2	30	34.1	15.7	47.3	--	50.0
LG Seeds	LGS00899RX	RR2XT	00.8	8/27	28	32.5	16.6	45.9	--	--
LG Seeds	LGS00909R2	RR2Y	00.9	8/31	30	32.2	16.4	48.8	--	--
LG Seeds	LGS0111RX	RR2XT	0.1	8/31	32	33.8	15.9	48.6	--	52.6
NDSU	ND17009GT	GT	00.9	8/28	31	35.3	15.9	43.4	48.0	46.7
NDSU	ND18008GT	GT	00.8	8/23	27	33.6	16.7	38.6	--	41.1
NorthStar	NS 0064R2	RR2Y	00.6	8/23	26	33.0	16.8	46.2	--	54.1
NorthStar	NS 0111R2	RR2Y	0.1	8/30	33	32.1	17.2	50.4	--	--
NorthStar	NS 60053XR2	RR2XT	00.5	8/22	30	31.4	16.7	46.9	52.1	49.4
NuTech	6008R2	RR2Y	00.8	8/27	30	31.6	17.0	45.8	52.0	48.1
Peterson	16R01	RR2Y	0.1	8/29	34	32.1	17.2	51.3	53.8	54.7
Peterson	18X008N	RR2XT	00.8	8/24	31	32.3	16.3	49.5	54.4	51.4
Pioneer	P006A37X	RR2XT	00.6	8/20	26	32.1	16.8	43.8	--	--
Pioneer	P007A90R	RR1	00.7	8/20	27	32.7	16.4	49.4	54.3	--
Pioneer	P00A49X	RR2XT	0.0	8/29	28	32.4	16.9	46.1	--	--
Prairie	PB-00856R2	RR2Y	00.9	9/2	30	34.4	15.4	46.9	46.8	49.2
Proseed	50-08	RR2Y	00.8	9/2	29	33.8	16.0	45.3	53.1	51.7
Proseed	XT 60-09	RR2XT	00.9	8/31	29	33.2	15.7	47.6	52.1	51.2
Proseed	XT 70-09	RR2XT	00.4	8/28	31	31.9	17.2	48.5	--	50.7
Proseed	XT 80-20	RR2XT	0.2	8/31	30	32.9	15.6	48.6	--	51.8
REA	RX00619	RR2XT	00.6	8/17	26	32.0	16.9	47.2	--	50.7
REA	RX0228	RR2XT	0.2	8/30	32	32.6	16.4	47.0	50.8	52.5
REA	RX00749	RR2XT	00.7	8/20	29	32.6	16.1	46.2	--	48.9
REA	R00727	RR2Y	00.7	8/25	31	33.0	15.9	47.8	55.0	49.0
Syng NK	S007-Y4	RR2Y	00.5	8/18	25	32.4	16.8	50.4	--	--
Syng NK	S009-J1	RR2Y	00.9	8/25	25	33.6	16.6	48.7	55.1	51.3
Syng NK	S01-C4X	RR2XT	0.1	8/31	30	31.6	16.5	50.3	--	52.7

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								2018	2 yr Avg.	2-site Avg. <sup>4</sup>
Thunder	3601 R2Y	RR2Y	0.1	8/29	32	32.5	17.3	50.9	--	51.0
Thunder	39005 R2Y	RR2Y	00.5	8/22	27	33.3	16.5	48.7	--	52.8
Thunder	Astro	RR2Y	00.8	8/30	32	33.2	15.6	50.8	52.5	55.2
Thunder	SB87009	RR2XT	00.9	8/31	32	33.7	15.5	49.5	51.5	54.0
Thunder	SB88007N	RR2XT	00.7	8/25	31	31.5	17.2	49.8	53.3	52.0
Thunder	SB89006N	RR2XT	00.6	8/21	27	32.2	16.2	48.3	--	48.3
Trial Mean				8/27	29	32.8	16.3	47.7	--	--
C.V. %				1.7	8.2	1.8	2.1	6.8	--	--
LSD 5%				2.4	3.4	1.2	0.7	4.5	--	--
LSD 10%				2.0	2.8	1.0	0.6	3.9	--	--

<sup>1</sup>Herbicide Trait - RR2XT=RR2Xtend,GT=Glyphosate Tolerant

<sup>2</sup>Maturity Group provided by company

<sup>3</sup>Date of physiological maturity at 95% brown pod.

<sup>4</sup>A 2-site average of our northern region. Langdon REC and Pembina County (Cavalier).

No lodging observed in trial.

Yield, oil and protein reported at 13% moisture.

Planting Date: May 15

Harvest Date: October 2