

NDSU Langdon Research Extension Center
2018 Variety Trial

Soybean - Roundup Ready - 2018										Cavalier - Pembina County (Page 1-2)	
Brand	Variety	Herb. Trait ¹	Maturity Group ²	Maturity date ³	Plant Height in	Lodging 0-9	Protein %	Oil %	YIELD RANK		
									2018	2 yr Avg.	2-site Avg. ³
Dyna-Gro	S009XT49	RR2XT	00.9	9/6	41	1.0			62.6	--	55.9
NorthStar	NS 0064R2	RR2Y	00.6	9/4	37	0.8			62.0	--	54.1
Allegiant	02X03	RR2XT	0.2	9/9	44	1.9			59.8	--	54.4
Thunder	Astro	RR2Y	00.8	9/9	40	1.2			59.6	--	55.2
Golden H.	GH0145X	RR2XT	0.1	9/9	40	1.4			59.3	--	53.9
Allegiant	009X08	RR2XT	00.9	9/7	41	0.7			59.2	54.7	54.7
Thunder	SB87009	RR2XT	00.9	9/9	39	0.7			58.5	54.5	54.0
Dairyland	DSR-0225/R2Y	RR2Y	0.1	9/8	40	1.4			58.4	51.1	56.4
Proseed	50-08	RR2Y	00.8	9/9	38	2.3			58.1	57.9	51.7
PFS	16R01	RR2Y	0.1	9/8	41	2.0			58.0	51.1	54.7
REA	RX0228	RR2XT	0.2	9/9	42	0.9			58.0	55.3	52.5
Dahlman	56009NRR2Y	RR2Y	00.9	9/9	39	2.2			57.6	54.1	51.5
Hefty	H009X7	RR2XT	00.9	9/8	40	2.2			57.6	50.6	52.0
Dairyland	DSR-C999/R2Y	RR2Y	0.1	9/7	37	0.3			57.4	57.6	54.3
Allegiant	008X30N	RR2XT	00.8	9/3	39	0.4			57.3	48.9	53.2
Dahlman	5601RR2Y	RR2Y	0.1	9/8	40	2.2			57.2	50.2	52.7
Legacy	LS-0237 RR2X	RR2XT	0.2	9/10	45	1.7			56.9	53.6	51.7
Thunder	39005 R2Y	RR2Y	00.5	9/3	35	0.4			56.9	--	52.8
LG Seeds	LGS0111RX	RR2XT	00.6	9/10	42	1.0			56.5	--	52.6
Integra	20087	RR2Y	00.8	9/8	34	1.1			55.8	57.7	52.2
Hefty	H02X9	RR2XT	0.2	9/7	39	1.4			55.7	--	52.2
Legacy	LS-0135 RR2	RR2Y	00.9	9/9	42	2.1			55.5	53.2	52.9
Hefty	H008X8	RR2XT	00.8	9/5	37	0.5			55.3	--	52.4
Syng NK	S01-C4X	RR2XT	0.1	9/8	41	1.0			55.1	--	52.7
Legacy	LS-0239 RR2X	RR2XT	0.2	9/6	39	0.9			55.0	--	52.5
Proseed	XT 80-20	RR2XT	0.2	9/9	38	1.0			54.9	--	51.8
Allegiant	007X32N	RR2XT	00.7	9/3	38	0.0			54.8	--	51.5
Proseed	XT 60-09	RR2XT	00.9	9/7	41	1.1			54.7	54.5	51.2
Legacy	LS-00937 RR2X	RR2XT	00.9	9/7	38	1.9			54.6	53.5	51.8
REA	RX00619	RR2XT	00.6	9/1	36	0.0			54.2	--	50.7
Thunder	SB88007N	RR2XT	00.7	9/7	37	2.0			54.2	56.2	52.0
Golden H.	GH00866	RR2Y	00.8	9/4	41	0.0			53.9	57.2	51.1
Syng NK	S009-J1	RR2Y	00.9	9/5	36	0.9			53.9	60.5	51.3
Integra	50069	RR2XT	00.6	9/5	37	0.6			53.8	51.5	50.4
Dairyland	DSR-0200/R2Y	RR2Y	0.2	9/6	43	1.3			53.7	--	53.2

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										YIELD RANK	
Brand	Variety	Herb. Trait ¹	Maturity Group ²	Maturity date ³	Plant Height in	Lodging 0-9	Protein %	Oil %	YIELD RANK		
									2018	2 yr Avg.	2-site Avg. ³
Dyna-Gro	S009XT68	RR2XT	00.9	9/6	41	1.1			53.7	55.8	51.4
Dyna-Gro	S007XT27	RR2XT	00.7	9/3	36	0.1			53.6	55.2	51.5
Allegiant	01R80	RR2Y	0.1	9/8	40	0.8			53.5	49.1	51.8
Dairyland	DSR-0509R	RR1	0.2	9/13	36	0.2			53.4	--	48.0
LG Seeds	LGS00663RX	RR2XT	00.6	9/5	35	0.0			53.3	--	47.8
Integra	20097	RR2Y	00.9	9/6	40	1.1			53.2	53.3	52.0
PFS	18X008N	RR2XT	00.8	9/5	39	0.4			53.2	46.6	51.4
Proseed	XT 70-09	RR2XT	00.4	9/4	38	0.7			52.8	--	50.7
LG Seeds	LGS00885R2	RR2Y	00.8	9/8	41	0.3			52.7	--	50.0
NorthStar	NS 60053XR2	RR2XT	00.5	9/3	39	0.2			51.8	51.4	49.4
Dahlman	68008XN	RR2XT	00.8	9/5	39	1.1			51.6	46.5	50.9
Prairie	PB-00856R2	RR2Y	00.9	9/9	37	1.7			51.5	49.1	49.2
REA	RX00749	RR2XT	00.7	9/3	37	0.1			51.5	--	48.9
Dyna-Gro	S005XT38	RR2XT	00.5	9/3	40	0.4			51.3	52.1	50.1
Hefty	H008R6	RR2Y	00.8	9/9	38	3.6			51.1	50.8	45.1
Thunder	3601 R2Y	RR2Y	0.1	9/8	41	1.5			51.1	51.2	51.0
Legacy	LS-00737N RR2X	RR2Y	00.7	9/6	36	0.0			50.9	52.7	48.1
Dyna-Gro	S007XT59	RR2XT	00.7	9/3	35	0.1			50.5	--	50.6
NuTech	6008R2	RR2Y	00.8	9/5	39	1.4			50.3	53.7	48.1
REA	R00727	RR2Y	00.7	9/5	38	0.4			50.2	54.1	49.0
NDSU	ND17009GT	GT	00.9	9/5	39	0.3			50.0	50.2	46.7
NorthStar	NS 60092XR2	RR2XT	00.9	9/5	37	0.3			50.0	--	--
Allegiant	005X17	RR2XT	00.5	9/2	39	0.0			49.6	47.2	49.0
Integra	50098	RR2XT	00.9	9/4	35	0.5			48.8	--	45.0
Thunder	SB89006N	RR2XT	00.6	9/3	36	0.3			48.3	--	48.3
Dairyland	DSR-C709R	RR1	00.5	9/5	34	0.0			46.2	50.3	43.5
NDSU	ND18008GT	GT	00.8	9/4	37	0.0			43.5	--	41.1
Hefty	H02R3	RR2Y	0.2	9/14	35	1.2			40.0	--	41.2
Trial Mean				9/6	39	0.9			53.9	--	--
C.V. %				1.1	5.3	83.9			7.0	--	--
LSD 5%				1.9	3.3	1.3			6.1	--	--
LSD 10%				1.6	2.8	0.9			5.1	--	--

¹Herbicide Trait - RR2XT=RR2Xtend,GT=Glyphosate Tolerant

²Maturity Group provided by company

³Date of physiological maturity at 95% brown pod.

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

Yield, oil and protein reported at 13% moisture.

Oil and Protein not yet available.

Planting Date: May 23

Harvest Date: October 18