

**NDSU Langdon Research Extension Center  
2017 Variety Trial**

**Soybean - Roundup Ready - 2017**

**Langdon (Page 1-3)**

Brand	Variety	Herb. Trait <sup>1</sup>	Maturity Group <sup>2</sup>	Maturity date <sup>3</sup>	Lodging 0-9	Plant Height in	Protein %	Oil %	Yield		
									2017	2 yr Avg.	2-site Avg. <sup>4</sup>
Allegiant	005X17	RRXT	00.5	9/10	0.1	37	31.7	15.1	50.5	--	47.7
Allegiant	008X30N	RRXT	00.8	9/14	0.3	37	33.0	15.5	37.6	--	39.0
Allegiant	009X08	RRXT	00.9	9/24	1.0	39	33.4	14.5	51.1	--	50.7
Allegiant	01R80	RR2Y	0.1	9/11	0.1	40	33.9	15.5	55.8	--	50.3
Channel	00717R2X	RRXT	00.7	9/11	0.2	36	33.3	14.5	57.5	--	--
Channel	0218R2X	RRXT	0.2	9/15	1.1	42	33.6	14.9	55.5	--	--
Croplan	R200516	RR2Y	00.5	9/10	0.1	36	33.8	15.1	57.1	59.6	--
Croplan	RX00926	RRXT	00.9	9/12	0.4	41	33.3	14.0	58.5	--	--
Dahlman	56009NRR2Y	RR2Y	00.9	9/14	0.4	35	34.4	14.3	51.9	--	51.2
Dahlman	5601RR2Y	RR2Y	0.1	9/11	1.3	40	33.9	15.3	59.9	--	51.5
Dahlman	67009X	RRXT	00.9	9/12	0.5	38	34.4	13.8	52.5	--	48.6
Dahlman	68008XN	RRXT	00.8	9/12	1.2	39	33.1	15.2	53.6	--	47.5
Dyna-Gro	S005RY87	RR2Y	00.5	9/10	0	38	34.4	15.1	54.0	59.9	50.7
Dyna-Gro	S006RY97	RR2Y	00.6	9/11	0	34	33.6	14.9	55.2	--	54.5
Dyna-Gro	S007XT27	RRXT	00.7	9/11	0	37	33.0	14.4	64.0	66.3	60.4
Dyna-Gro	S009XT68	RRXT	00.9	9/12	0.5	40	34.3	13.7	58.6	--	58.2
Dyna-Gro	S005XT38	RRXT	00.5	9/10	0.5	36	32.5	14.8	56.3	--	54.6
Hefty	H005X8	RRXT	00.5	9/12	0.3	35	32.9	14.8	37.0	--	37.0
Hefty	H007X7	RRXT	00.7	9/11	0	35	33.3	14.9	53.8	57.3	50.1
Hefty	H008R6	RR2Y	00.8	9/14	0	35	34.8	14.2	52.6	55.3	51.5
Hefty	H009X7	RRXT	00.9	9/13	0.5	41	34.4	13.9	50.5	--	47.0
Hefty	H00R6	RR2Y	0.0	9/11	0.5	40	33.8	15.7	55.7	59.8	50.8
Integra	20062	RR2Y	00.6	9/10	0	38	33.7	15.3	56.6	--	52.2
Integra	20087	RR2Y	00.8	9/13	0	32	35.0	14.1	61.8	67.3	60.7
Integra	20097	RR2Y	00.9	9/12	1.8	40	33.7	15.4	64.3	69.2	58.9
Integra	50069	RRXT	00.6	9/10	1.0	37	33.8	14.6	56.6	--	52.9
Integra	50098	RRXT	00.9	9/12	1.3	40	34.6	13.5	59.9	63.4	--
Legacy	LS-00738N RR2X	RRXT	00.7	9/10	0	35	34.3	14.2	61.1	--	57.8
Legacy	LS-00937 RR2X	RRXT	00.9	9/14	0.9	41	33.9	14.0	59.6	65.3	56.0
Legacy	LS-0135 RR2	RR2Y	00.9	9/12	1.7	41	34.3	15.2	65.0	68.1	57.9
Legacy	LS-0214 RR2	RR2Y	0.2	9/15	0.5	39	36.2	13.9	56.5	64.3	52.2
Legacy	LS-0237N RR2X	RRXT	0.2	9/15	1.7	41	34.1	14.4	58.3	65.2	54.3
Legacy	LS-00538 RR2X	RRXT	00.5	9/9	0.5	37	33.4	14.4	55.7	--	51.9

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Brand	Variety	Herb. Trait <sup>1</sup>	Maturity Group <sup>2</sup>	Maturity date <sup>3</sup>	Lodging 0-9	Plant Height in	Protein %	Oil %	Yield		
									2017	2 yr Avg.	2-site Avg. <sup>4</sup>
Legend	LS 005X853	RRXT	00.5	9/10	0	36	32.6	14.7	56.8	--	--
Legend	LS 007X756N	RRXT	00.7	9/11	0	37	34.6	14.4	57.9	--	--
Legend	LS 009X852N	RRXT	00.9	9/12	1.2	38	32.3	15.3	62.7	--	--
Mustang	00726	RR2Y	00.7	9/14	0	37	35.6	13.9	57.1	--	--
Mustang	02311	RR2Y	0.2	9/17	0	33	35.9	13.8	55.8	--	53.2
Mustang	02356	RR2Y	0.2	9/12	0.4	41	33.9	15.1	61.4	--	56.3
Mustang	00X698	RRXT	00.6	9/10	0	37	32.7	15.0	56.2	--	53.0
Mustang	00X828	RRXT	00.8	9/16	0.9	38	33.0	15.2	51.4	--	49.3
NDSU	ND17009GT	GT	00.9	9/11	2	38	36.5	14.7	52.6	--	51.5
NorthStar	NS 60053XR2	RRXT	00.5	9/9	0.5	37	32.7	14.6	57.2	--	54.1
NorthStar	NS0052R2	RR2Y	00.5	9/10	0.1	37	34.1	15.0	59.9	61.5	54.9
NorthStar	NS0072R2	RR2Y	00.7	9/17	0	35	35.1	14.3	53.5	60.3	51.7
NorthStar	NS60092XR2	RRXT	00.9	9/12	0	40	34.6	13.8	59.6	--	--
NuTech	6502	RR1	00.5	9/9	0	30	34.3	14.7	56.0	--	55.2
NuTech	6008R2	RR2Y	00.8	9/14	0.9	40	32.1	15.3	58.2	57.0	57.6
Peterson	16R008N	RR2Y	00.8	9/15	0.3	35	34.7	14.4	53.5	56.5	46.8
Peterson	16R01	RR2Y	0.1	9/11	1.6	38	34.6	15.2	56.3	63.1	50.3
Peterson	17X009	RRXT	00.9	9/13	0.9	41	34.2	14.1	53.2	61.8	48.4
Peterson	18X008N	RRXT	00.8	9/11	0.9	38	33.6	14.9	59.2	--	55.0
Pioneer	P005A27X	RRXT	00.5	9/8	0.1	30	35.0	13.9	53.7	--	--
Pioneer	P007A90R	RR2Y	00.7	9/8	0	36	34.0	14.7	59.3	--	--
Pioneer	P008T22R2	RR2Y	00.8	9/13	0.7	40	34.8	14.8	57.1	61.1	--
Prairie	PB-00856R2	RR2Y	00.9	9/16	0.5	36	35.2	14.4	46.8	53.7	46.7
Prairie	PB-00928R2	RR2Y	00.9	9/16	0.1	34	33.3	15.4	55.9	--	56.9
Prairie	PB-0146R2	RR2Y	0.1	9/13	0.8	40	33.6	15.6	56.5	63.3	50.1
Proseed	30-07	RR2Y	00.7	9/11	0.1	34	35.0	13.7	52.4	--	50.9
Proseed	40-07	RR2Y	00.7	9/9	0.4	40	33.5	13.5	54.4	58.1	54.1
Proseed	50-08N	RR2Y	00.8	9/18	0.4	36	34.9	14.2	60.8	61.7	59.3
Proseed	70-08 XN	RRXT	00.8	9/16	0.8	38	33.3	15.1	50.7	--	50.7
Proseed	XT 60-09	RRXT	00.9	9/12	0.5	41	34.9	13.6	56.5	63.3	55.4
REA	R00727	RR2Y	00.7	9/11	0.4	37	33.3	14.7	62.2	62.6	60.1
REA	RX00738	RRXT	00.7	9/14	1.2	39	33.7	13.9	53.2	--	52.4
REA	RX0228	RRXT	0.2	9/17	0.5	43	34.4	14.9	54.6	--	53.5

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									2017	2 yr Avg.	2-site Avg. <sup>4</sup>
Syngenta/GH	GH00866	RR2Y	00.8	9/12	0	37	32.7	15.7	60.7	--	60.5
Syngenta/NK	S009-J1	RR2Y	00.9	9/11	0	31	34.5	15.2	61.5	--	64.3
Thunder	34006 R2Y	RR2Y	00.6	9/11	0.1	32	34.0	14.7	57.8	64.6	--
Thunder	SB88005	RR2Y	00.5	9/5	0.1	31	35.3	14.7	43.8	--	45.3
Thunder	37004 R2Y	RR2Y	00.4	9/11	0.3	37	34.6	14.8	55.6	--	55.0
Thunder	Astro	RR2Y	00.8	9/14	0	40	35.1	13.9	54.3	--	--
Thunder	SB87009	RRXT	00.9	9/16	0.4	42	34.2	13.9	53.5	--	52.0
Thunder	SB88007N	RRXT	00.7	9/12	1.2	41	33.8	14.8	56.9	--	57.5
Wensman	W10042RX	RRXT	00.4	9/11	0.1	37	32.3	15.1	54.8	--	51.3
Wensman	W10063NRX	RRXT	00.6	9/11	0	37	32.2	14.7	58.8	63.0	57.7
Wensman	W1011RX	RRXT	0.1	9/18	1.5	41	34.2	15.1	55.6	--	53.5
Wensman	W30085R2	RR2Y	00.8	9/17	0.6	38	34.4	14.7	57.6	59.6	57.1
Wensman	W3024R2	RR2Y	0.2	9/17	0.1	34	34.8	14.1	57.8	63.1	--
Trial Mean				9/12	0.5	37	34.0	14.6	55.7	--	--
C.V. %				13.2	141	5.6	2.1	2.0	5.8	--	--
LSD 5%				2.3	0.9	3.0	1.4	0.6	4.5	--	--
LSD 10%				1.9	0.8	2.5	1.2	0.5	3.8	--	--

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

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

<sup>3</sup>Date of physiological maturity at R7 stage (one brown pod on the main stem obtains mature brown or tan color.)

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

Yield, oil and protein reported at 13% moisture.

Planting Date: May 17

Harvest Date: October 10