

NDSU Langdon Research Extension Center
2019 Variety Trial

Soybean - Roundup Ready - 2019

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Brand	Variety	Herb. Trait ¹	Maturity Group ²	Maturity date ³	Plant Height	Protein %	Oil %	Yield		
								2019	2-yr Avg	2-site Avg. ³
Allegiant	01E23	E3	0.1	9/22	28	31.4	14.7	52.9	--	45.8
Allegiant	009E71	E3	00.9	9/21	29	30.7	14.6	51.4	--	--
Allegiant	07X30N	RR2XT	0.7	9/29	32	31.7	14.4	60.2	--	--
Allegiant	007X32N	RR2XT	00.7	9/13	30	32.1	14.5	49.8	49.0	44.5
Allegiant	008X30N	RR2XT	00.8	9/16	32	32.1	15.6	45.4	47.2	42.2
Allegiant	009X08	RR2XT	00.9	9/16	32	32.9	14.5	54.1	52.2	48.2
Allegiant	009X41	RR2XT	00.9	9/22	28	32.3	15.2	49.7	--	43.8
BioGene	BG8000RR2X	RR2XT	00.9	9/16	32	32.4	15.3	53.4	--	--
BioGene	BG8007RR2X	RR2XT	00.7	9/15	30	31.4	15.2	45.2	--	--
BioGene	BG8008RR2X	RR2XT	00.8	9/15	29	32.4	14.7	46.5	--	--
Dahlman	1001E3	E3	0.1	9/20	26	32.1	14.7	48.2	--	41.7
Dahlman	60009X	RR2XT	00.9	9/21	27	33.3	15.1	50.3	--	45.0
Dyna-Gro	S005XT38	RR2XT	00.5	9/10	30	29.9	15.4	49.6	49.2	44.1
Dyna-Gro	S007XT27	RR2XT	00.7	9/15	31	31.5	15.0	52.0	50.7	44.0
Dyna-Gro	S009XT49	RR2XT	00.9	9/15	31	31.7	15.0	52.5	50.9	46.4
Dyna-Gro	S009XT68	RR2XT	00.9	9/17	32	32.8	13.8	54.1	51.6	47.9
Golden H.	GH00866	RR2Y	00.8	9/13	32	31.7	15.9	52.2	50.3	46.4
Golden H.	GH0145X	RR2XT	0.1	9/15	32	31.2	14.9	50.1	49.3	44.6
Hefty Seed	H008X8	RR2XT	00.8	9/16	31	31.8	15.4	49.7	49.6	44.0
Hefty Seed	H02X9	RR2XT	0.2	9/19	32	31.3	15.0	53.1	50.9	49.9
Integra	20097	RR2Y	00.9	9/20	33	32.2	15.3	54.6	52.7	46.7
Integra	40089N	E3	00.8	9/21	32	31.1	15.2	56.4	--	48.3
Integra	40129	E3	0.1	9/22	27	29.6	16.0	41.3	--	37.8
Integra	50001	RR2XT	0.0	9/23	28	32.3	14.8	52.8	--	43.7
Legacy	LS-00639N RR2X	RR2XT	00.6	9/13	30	31.7	15.2	50.1	--	44.8
Legacy	LS-00829 E3	E3	00.8	9/22	28	31.2	15.4	44.4	--	39.5
Legacy	LS-00930 RR2X	RR2XT	00.9	9/22	27	32.1	15.1	55.4	--	46.6
Legacy	LS-0239N RR2X	RR2XT	0.2	9/22	30	32.2	14.4	56.8	53.4	51.2
Legend	LS 005E953N	E3	00.5	9/23	30	31.8	15.3	47.4	--	--
Legend	LS 007X956N	RR2XT	00.7	9/19	31	32.8	14.4	48.3	48.6	--
Legend	LS 009E955N	E3	00.9	9/21	30	31.1	15.4	44.9	--	--
Legend	LS 009X852N	RR2XT	00.9	9/18	31	31.6	15.5	51.7	49.8	--
Legend	LS 02E963	E3	0.2	9/22	26	31.8	14.8	51.2	--	--
LG Seeds	LGS00663RX	RR2XT	00.6	9/16	28	31.9	14.8	50.6	46.4	43.5
LG Seeds	LGS00899RX	RR2XT	00.8	9/17	32	31.5	15.1	51.8	48.9	45.4
LG Seeds	LGS0111RX	RR2XT	0.1	9/22	33	33.3	14.8	56.4	52.5	50.6
NDSU	ND17009GT	GT	00.9	9/15	31	34.2	15.5	46.0	44.7	41.6
NDSU	ND18008GT	GT	00.8	9/12	29	32.4	15.7	42.3	40.5	37.0

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								2019	2-yr Avg	2-site Avg. ³
Syng NK	S006-R7X	RR2XT	00.6	9/11	28	31.3	15.5	47.3	--	41.9
Syng NK	S007-Y4	RR2Y	00.7	9/10	28	29.7	15.6	48.4	49.4	--
Syng NK	S008-N2	RR2Y	00.8	9/10	30	32.0	15.8	52.0	--	--
NorthStar	NS 60065NXR2	RR2XT	00.6	9/17	31	33.5	14.1	47.6	--	41.5
NorthStar	NS 90084NE3	E3	00.7	9/23	29	31.3	15.2	50.5	--	44.0
NorthStar	NS 90094E3	E3	00.9	9/21	30	31.9	15.5	46.7	--	39.7
NorthStar	NS 90214E3	E3	0.1	9/21	27	32.5	14.4	51.1	--	44.6
Peterson	18X008	RR2XT	00.8	9/14	29	31.4	15.2	51.5	50.5	46.0
Peterson	19EN008	E3	00.8	9/21	31	32.3	15.2	53.9	--	44.8
Peterson	20X01	RR2XT	0.1	9/24	27	32.4	15.1	53.3	--	45.0
Pioneer	P006A37X	RR2XT	00.6	9/11	27	30.0	16.0	47.9	45.9	--
Pioneer	P00A49X	RR2XT	0.0	9/23	34	31.3	15.2	53.4	49.8	45.1
Pioneer	P01A84X	RR2XT	0.1	9/23	30	30.1	15.8	52.8	--	45.7
Pioneer	P03A17X	RR2XT	0.3	9/25	28	32.0	15.2	46.2	--	42.7
Proseed	50-10	RR2Y	0.1	9/17	32	32.2	15.6	53.2	--	47.7
Proseed	XT 60-09	RR2XT	00.9	9/16	34	33.6	14.3	54.7	51.2	47.1
Proseed	XT 80-20N	RR2XT	0.2	9/21	30	30.5	15.7	55.9	52.3	48.6
Proseed	XT 90-06	RR2XT	00.6	9/12	30	30.2	15.4	49.2	--	42.7
REA	RX00749	RR2XT	00.7	9/15	30	31.8	14.7	45.2	45.7	39.8
REA	RX00810	RR2XT	00.8	9/15	25	31.6	15.2	52.4	--	42.7
REA	RX0228	RR2XT	0.2	9/21	35	32.1	15.5	53.5	50.3	47.8
Stine	01EA63	E3	00.9	9/22	28	32.3	14.7	50.7	--	43.4
Thunder	36008 R2YN	RR2Y	00.8	9/17	32	33.6	14.4	56.3	--	--
Thunder	ASTRO	RR2Y	00.8	9/19	33	33.5	14.4	49.9	50.4	45.1
Thunder	SB8001	RR2XT	0.1	9/22	26	33.1	15.2	54.2	--	44.9
Thunder	SB88007N	RR2XT	00.7	9/14	31	31.7	15.5	50.6	50.2	44.7
Thunder	3601 R2Y	RR2Y	0.1	9/17	31	32.8	15.6	47.3	--	43.9
Thunder	TE7902	E3	0.2	9/23	27	31.4	14.4	49.9	--	43.2
Trial Mean				9/17	30	31.8	15.1	50.6	--	--
C.V. %				1.3	6.5	--	--	8.1	--	--
LSD 5%				2.2	2.7	--	--	5.7	--	--
LSD 10%				1.9	2.3	--	--	4.8	--	--

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).

⁴A 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 20

Harvest Date: October 9