

**2018 Soybean Variety Trial at Rugby**

**North Central Research Extension Center**

Cooperators: Dave Teigen and the Pierce County Crop Improvement Assoc.

Company/Brand	Variety	Herbicide System	Maturity Group	IDC Rating	Plant Height	Protein	Oil	Test Weight	Yield
				1-5 <sup>a</sup>	inches	%	%	lbs/bu	bu/A
Integra	50309N	XT	0.3	1.8	27	29.9	16.3	56.2	66.3
Integra	20126	RR	0.1	2.5	27	31.4	17.2	55.8	63.7
Integra	20215	RR	0.2	2.6	25	31.2	16.9	56.3	54.8
REA Hybrids	RX0228	XT	0.2	1.6	27	30.9	17.1	56.3	60.1
REA Hybrids	RX00749	XT	0.7	1.9	21	31.0	17.4	56.5	55.9
REA Hybrids	R00727	RR	0.7	2.2	21	31.0	16.9	55.9	53.6
Legacy Seeds	LS-0237 RR2X	XT	0.2	2.7	30	29.9	17.0	55.8	68.4
Legacy Seeds	LS-0135 RR2	RR	0.9	2.6	26	30.9	18.0	56.4	58.6
Legacy Seeds	LS-00937 RR2X	XT	0.9	2.1	25	30.4	16.7	57.0	57.2
Legacy Seeds	LS-0337N RR2X	XT	0.3	2.2	22	31.4	16.8	55.8	57.2
Legacy Seeds	LS-0239N RR2X	XT	0.2	1.8	26	29.7	16.6	56.1	53.8
NorthStar	NS 60092XR2	XT	0.9	2.4	22	30.8	16.9	57.1	65.8
NorthStar	NS 0111R2	RR	0.1	2.8	27	30.9	18.0	56.0	61.4
NorthStar	NS 60264NXR2	XT	0.2	2.0	29	29.9	16.6	56.0	57.3
Thunder	SB88007N	XT	0.7	2.3	25	30.3	17.5	56.3	67.9
Thunder	ASTRO	RR	0.8	2.3	26	31.0	16.8	56.6	61.1
Thunder	39005 R2Y	RR	0.5	2.2	24	31.8	17.5	56.3	59.8
Thunder	SB89006N	XT	0.6	1.8	26	31.9	16.9	56.3	53.7
Hefty Seed	H02x9	XT	0.2	1.9	28	29.4	16.2	55.2	65.2
Hefty Seed	H03x8	XT	0.3	2.5	28	29.7	16.7	54.9	63.7
Hefty Seed	H02x7	XT	0.2	2.5	31	29.8	17.2	55.6	61.1
Hefty Seed	009x7	XT	0.9	2.2	27	30.8	16.4	56.3	54.4
Hefty Seed	H008x8	XT	0.8	2.5	25	30.3	17.4	56.6	51.8
NDSU	ND17009GT	GT	0.9	3.1	28	33.3	17.3	58.0	57.4
NDSU	ND18008GT	GT	0.8	2.6	21	31.8	17.4	56.7	56.2
Trial Mean				2.4	25	30.8	17.0	56.3	58.6
C.V.%				14.1	6.7	1.8	1.4	1.1	6.4
LSD 5%				0.3	2	0.8	0.3	0.9	5.2
LSD 10%				0.3	2	0.7	0.3	0.7	4.4

<sup>a</sup> IDC rating = Iron deficiency chlorosis rating: 1 - green, 3 - yellow, 5 - dead

Planting Date: May 23

Harvest Date: September 29

Planting Rate: 150,000 PLS/A

Row Spacing: Solid Seeded (7" rows)

Soil Type: Gardena silt loam

Tillage: Minimum Till

Previous Crop: Barley

Note: Protein, oil, test weight and yield are adjusted to 13% moisture.