

**2020 Soybean Variety Trial at Wilton**

Cooperator: Wes Doepke, Wilton

Company/Brand	Variety	Herbicide System	Maturity Group	IDC Rating	Plant Height	Lodging	Test Weight	Yield				
								2018	2019	2020	2 yr	3 yr
							lbs/bu	bushels/acre				
				1-5 <sup>a</sup>	inchs	0-9*						
Integra	40129N	Enlist E3	0.1	2.1	28	0	56.8	--	--	23.2	--	--
Integra	20215	RR	0.2	2.5	25	0	57.6	--	--	28.5	--	--
Integra	40201N	Enlist E3	0.2	2.9	22	0	57.8	--	--	24.7	--	--
Integra	50309N	Xtend	0.3	1.8	30	0	57.5	33.6	48.6	29.5	39.1	37.2
REA Hybrids	RX0411	Xtend	0.4	2.3	33	0	56.8	--	--	25.7	--	--
REA Hybrids	RX0520	Xtend	0.5	2.3	27	0	57.7	--	44.1	23.9	34.0	--
LG Seeds	LGS0111RX	Xtend	0.1	2.3	31	0	57.3	32.6	47.1	26.2	36.7	35.3
LG Seeds	LGS0355RX	Xtend	0.3	2.1	28	0	57.0	33.1	46.5	24.2	35.4	34.6
LG Seeds	LGS0400RX	Xtend	0.4	2.5	30	0	57.4	--	45.2	26.5	35.8	--
LG Seeds	LGS0595RX	Xtend	0.5	2.1	26	0	57.6	--	--	24.2	--	--
NK Seeds	S006-R7X	Xtend	0.6	2.8	27	0	55.9	--	--	32.6	--	--
NK Seeds	S01-C4X	Xtend	0.1	2.3	30	0	58.1	--	--	25.7	--	--
NK Seeds	S02-F9X	Xtend	0.2	3.1	28	0	57.9	--	--	30.6	--	--
NK Seeds	S03-S6X	Xtend	0.3	2.6	30	0	58.0	--	--	24.2	--	--
NK Seeds	S05-N5X	Xtend	0.5	2.8	26	0	57.6	--	--	27.8	--	--
NK Seeds	S04-Q7X	Xtend	0.4	2.0	29	0	58.6	--	--	25.2	--	--
Golden Harvest	GH0443X	Xtend	0.4	1.9	27	0	57.0	--	--	32.9	--	--
Golden Harvest	GH0543X	Xtend	0.5	2.7	26	0	57.5	--	--	27.3	--	--
Proseed	XT60-09	Xtend	0.9	2.0	31	0	57.6	--	45.2	27.8	36.5	--
Proseed	EL80-093	Enlist E3	0.9	2.1	31	0	57.5	--	47.3	31.3	39.3	--
Proseed	XT80-20N	Xtend	0.2	2.0	29	0	57.5	--	41.4	22.2	31.8	--
Proseed	XT60-40N	Xtend	0.4	2.2	27	0	56.8	--	--	24.5	--	--
Dyna-Gro	S03XT29	Xtend	0.3	1.9	29	0	57.6	34.0	47.1	34.9	41.0	38.7
Dyna-Gro	S04EN21	Enlist E3	0.4	2.3	27	0	57.3	--	--	25.7	--	--
Dyna-Gro	S04XT91	Xtend	0.4	2.4	24	0	58.0	--	--	27.5	--	--
Legacy Seeds	LS-0429 E3	Enlist E3	0.4	1.9	29	0	57.2	--	49.0	30.6	39.8	--
Legacy Seeds	LS-0438	Xtend	0.4	2.7	26	0	57.5	35.7	46.1	26.5	36.3	36.1
Legacy Seeds	LS 061-20	GT	0.6	2.3	28	0	58.2	--	--	29.0	--	--
Legacy Seeds	LS-0638N RR2X	Xtend	0.6	2.9	30	0	57.8	--	--	27.3	--	--
Croplan	RX0500	Xtend	0.5	--	24	0	57.2	--	43.4	28.5	36.0	--
Croplan	RX0426	Xtend	0.4	--	25	0	57.4	--	43.5	27.8	35.6	--
NDSU	ND17009GT	GT	0.9	3.1	28	0	58.2	24.7	43.8	28.8	36.3	32.4
Trial Mean				2.4	28	0	57.5	31.9	45.1	27.3	--	--
C.V.%				14.7	8.3	0.0	0.8	8.5	8.5	11.8	--	--
LSD 5%				0.2	3	NS	0.6	3.8	5.4	4.5	--	--
LSD 10%				0.2	2	NS	0.5	3.2	4.5	3.8	--	--

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

Lodging: 0 = none, 9 = lying flat on the ground

NS = no statistical difference between varieties

Planting Date: May 27

Harvest Date: October 5

Planting Rate: 150,000 PLS/A

Row Spacing: Solid Seeded (7" rows)

Soil Type: Mandan silt loam

Tillage: No-till

Previous Crop: 2017 = soybean, 2018 = corn, 2019 = durum