

2018 Soybean Variety Trial at Wilton

Cooperator: Rod Binstock, Baldwin

North Central Research Extension Center

Company/Brand	Variety	Herbicide System	Maturity Group	IDC Rating	Protein %	Oil %	Test Weight lbs/bu	Yield ----- bushels/acre -----				
								2016	2017	2018	2 yr	3 yr
Integra	20300	RR	0.3	2.4	32.0	16.1	54.6	53.3	47.5	30.8	39.2	43.9
Integra	50309N	XT	0.3	1.8	30.0	16.1	54.7			33.6		
LG Seeds	LGS0355RX	XT	0.3	1.8	30.0	16.1	54.7			33.1		
LG Seeds	LGS0111RX	XT	0.1	2.4	32.1	16.4	54.3			32.6		
LG Seeds	LGS0224R2	RR	0.2	2.6	30.6	16.7	54.5			31.5		
REA Hybrids	RX0327	XT	0.3	2.2	30.8	16.6	54.0		49.0	35.8	42.4	
REA Hybrids	RX0516	XT	0.5	3.1	33.0	15.3	54.4		48.8	33.0	40.9	
Legacy Seeds	LS-0334 RR2	RR	0.3	2.3	32.6	16.1	54.3	58.8	53.3	36.2	44.8	49.4
Legacy Seeds	LS-0337N RR2X	XT	0.3	2.2	31.8	16.6	54.1	49.9	48.9	33.9	41.4	44.2
Legacy Seeds	LS-0438 RR2X	XT	0.4	2.6	31.7	16.6	54.2		48.0	35.7	41.8	
Legacy Seeds	LS-0638N RR2X	XT	0.6	2.7	30.9	15.8	54.2			36.1		
Dyna-Gro	S05XT88	XT	0.5	2.4	32.2	16.5	54.1		45.5	33.7	39.6	
Dyna-Gro	S06XT59	XT	0.6	2.7	30.6	15.8	54.3			37.1		
Dyna-Gro	S03XT29	XT	0.3	1.8	30.4	15.9	54.6			34.0		
Dyna-Gro	S04XT77	XT	0.4	2.3	31.4	16.5	54.1			32.7		
Dyna-Gro	S009XT68	XT	00.9	2.1	30.9	16.4	54.8			32.0		
Thunder Seed	3503 R2Y	RR	0.3	2.0	32.8	16.0	54.8			34.5		
Thunder Seed	SB8903N	XT	0.3	1.8	30.6	16.1	54.7			31.2		
Hefty Seed	H03x7	XT	0.3	--	31.9	16.3	54.2	47.8	49.5	33.5	41.5	43.6
Hefty Seed	009x7	XT	00.9	2.2	30.7	16.4	54.8	46.9	50.3	31.9	41.1	43.0
Hefty Seed	H02x9	XT	0.2	1.9	30.3	16.2	54.6			33.0		
Hefty Seed	H03x8	XT	0.3	2.5	31.1	16.3	54.4			32.3		
Hefty Seed	H02x7	XT	0.2	2.5	30.8	16.9	54.6			32.0		
NDSU	ND17009GT	GT	00.9	3.1	32.5	17.1	56.1		41.5	24.7	33.1	
NDSU	ND18008GT	GT	00.8	2.6	31.6	17.0	54.9		32.4	27.9	30.1	
Trial Mean				2.4	31.2	16.4	54.5	49.4	47.7	31.9	--	--
C.V.%				14.1	3.0	2.4	0.5	8.2	8.6	8.5	--	--
LSD 5%				0.3	1.3	0.6	0.4	5.7	5.8	3.8	--	--
LSD 10%				0.3	1.1	0.5	0.3	4.7	4.8	3.2	--	--

^a IDC rating = Iron deficiency chlorosis rating: 1 - green, 3 - yellow, 5 - dead

Planting Date: May 22

Harvest Date: October 7

Planting Rate: 150,000 PLS/A

Row Spacing: Solid Seeded (7" rows)

Soil Type: Williams loam

Tillage: No-till

Previous Crop: 2015 = soybean, 2016 = spring wheat, 2017 = soybean

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