

2015 Non-Roundup Ready Soybean Variety Trial at Minot

North Central Research Extension Center

Compan	Variety	Maturity Group	Herbicide System	IDC Rating	Days to Mature	Plant Height	Protein	Oil	Test Weight	Seed Yield			Average	
										2013	2014	2015	2 year	3 year
				1-5 ^a	DAP ^b	inches	%	%	lbs/bu	bushels per acre				
Hefty	H008L3	00.8	LL	2.0	113	28	35.0	16.3	58.0			45.9		
Integra	30080	00.8	LL	2.0	114	25	34.8	15.9	57.8	51.1	32.7	50.9	41.8	44.9
Integra	SX05LL	0.3	LL	--	125	33	35.6	15.4	57.4			65.5		
Thunder	5401LL	0.1	LL	2.3	120	33	33.3	16.2	57.1		32.3	53.3	42.8	
NDSU	Traill	00.0	Conv.		113	31	35.6	15.5	58.8	43.6	45.1	38.7	41.9	42.5
NDSU	ND Henson	0.0	Conv.	2.2	113	28	34.8	15.9	59.1		51.3	53.4	52.4	
NDSU	Ashtabula	0.4	Conv.	2.1	120	36	33.1	16.8	57.4	39.3	51.7	53.4	52.6	48.1
NDSU	Sheyenne	0.7	Conv.	2.2	123	32	32.4	16.1	57.8	41.3	39.5	61.1	50.3	47.3
check	AG 00632	00.6	RR		112	31	33.7	16.1	57.9			45.6		
check	AG 00932	00.9	RR	1.9	113	31	33.8	15.5	58.1		38.0	46.3	42.2	
check	AG 0434	0.4	RR		121	28	33.1	15.9	58.0			53.3		
check	AG 0832	0.8	RR	2.2	127	34	34.6	16.0	56.8			59.7		
Trial Mean				2.3	119	31	34.0	16.0	57.7	45.8	41.7	52.6	--	--
C.V.%				--	1.5	4.5	1.7	2.8	0.6	4.7	8.8	5.4	--	--
LSD 5%				0.3	3	2	0.8	0.6	0.5	3.2	5.3	4.0	--	--
LSD 10%				0.3	2	2	0.7	0.5	0.4	2.6	4.4	3.3	--	--

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

^b DAP = days after planting.

Planting Date: May 26

Planting Rate: 200,000 PLS/A

Row Spacing: Solid Seeded (6" rows)

Harvest Date: October 9

Previous Crop: 2012 & 2013 = durum, 2014 = spring wheat

Soil Type: Williams Loam

Note: Oil, protein, test weight and yield are adjusted to 13% moisture.