

2006

Polk County Soybean Variety Trials

Russ Severson and Jim Stordahl

Location: Fosston

Cooperator: Rick Roed

Planting Date: May 16

Soil test:

- P = 18 ppm
- K = 169 ppm
- O.M. = 2.7%
- Carb. = 0.1%
- Salts = .18 mmho
- pH = 7.2

Herbicides

- PPI = Prowl

Conventional Varieties – June 28

- Hand weeded escapes due to early flowering of soybeans

Roundup Varieties - June 28

- 1 qt. Roundup Original

Harvest Date: Sept. 14, 2006



Location: Crookston

Cooperator: Tyler & HD Ross

Planting Date: May 16

Soil test:

- P = 11 ppm
- K = 139 ppm
- O.M. = 3.9%
- Carb. = 1.1%
- Salts = .31 mmho
- pH = 8.3

Herbicides

- PPI = None

Conventional Varieties – May 26

- Raptor 2 oz./ac
- Rezult 1.6 + 1.6pt./ac
- Crop Oil 1.5pt./ac

Roundup Varieties – June 13 & July 7

- 1 qt. Roundup Original
- + 3.2 oz. Warrior July 7
- + ½ pt. Lorsban August 7

Harvest Date: Sept. 25, 2006

Crookston Roundup Ready

2006

Polk County Soybean Variety Trial

Tyler & HD Ross



Company	Variety	Rel. Maturity	Yield bu/a	Protein %	Oil %
Stine Seed	S0306-4	0.3	66.6	33.0	20.2
Legend Seeds	LS0624	0.5	66.4	34.5	19.0
Wensman Seed	W2030RR	0.3	66.0	33.5	20.1
AgSource Seed	9037	0.3	65.0	33.4	20.1
Asgrow Seed	AG0401	0.4	64.9	33.4	19.9
Wensman Seed	W2064RR	0.5	64.8	34.6	18.9
Dyna-Gro	32T03	0.3	64.7	33.5	20.2
NK Brand Seed	S01-T5	0.1	62.8	36.4	18.7
Pioneer Seed	90M60	0.6	61.2	34.4	19.1
Mustang Seeds	M-036 RR	0.3	61.1	33.3	19.4
Peterson Farm Seed	07009RR	00.9	60.9	34.6	19.9
Croplan Genetics	RT406	0.4	60.7	33.7	20.1
RoughRider Genetics	RG604RR	0.4	60.7	33.8	19.3
Thunder Seed Inc.	2505RR	0.5	60.7	34.5	19.1
NK Brand Seed	S02-M9	0.2	60.6	36.2	19.6
Dyna-Gro	36N05	0.5	60.5	35.0	19.1
Gold Country Seed	2703RR	0.3	59.8	33.5	20.1
Peterson Farm Seed	07008RR	00.8	59.8	33.4	20.2
Wensman Seed	W20074RR	00.7	58.1	33.6	20.1
Proseed	40-20	0.2	57.6	33.2	19.5
Stine Seed	S0090-84	00.9	57.1	34.6	19.4
Hyland Seeds	RR Royal	00.9	57.0	35.5	18.8
AgSource Seed	9057	0.5	56.8	32.9	19.7
Pioneer Seed	90M01	0.0	56.8	34.1	19.9
Asgrow Seed	AG0301	0.3	56.5	33.5	19.3
Seeds 2000	Exp0081RR	0.08	55.7	32.7	20.5
Northstar Genetics Limited	NS0011RR	0.04	55.4	33.5	20.1
Asgrow Seed	AG0202	0.2	55.0	33.7	19.1
Legend Seeds	LS0065	0.09	54.4	33.3	20.3
Northstar Genetics Limited	NS0031RR	0.08	54.4	34.2	19.7
Proseed	20-11	0.1	53.6	34.2	19.9
RoughRider Genetics	RG600RR	0.0	53.5	34.2	19.7
Pioneer Seed	90M20	0.2	53.4	33.9	19.5
Peterson Farm Seed	04009RR	00.9	53.0	33.7	19.7
Dekalb Seed	DKB009-51	0.09	52.9	35.0	18.8
Mycogen Seed	5A009RR	00.9	52.8	34.6	20.0
Proseed	50-30	0.3	52.8	34.9	19.5
Croplan Genetics	RT0103	0.1	52.5	35.5	19.7
Mycogen Seed	5B008RR	00.8	52.4	34.1	19.6
Hyland Seeds	RR Rugged	0.3	52.2	34.2	20.0
RoughRider Genetics	RG601NRR	0.1	52.1	34.6	19.1
Garst Seed	0312RR	0.3	52.0	37.0	18.5
Mycogen Seed	5B004RR	00.4	51.6	33.1	20.3
Garst Seed	0188RR	0.1	51.1	34.0	19.6
Dekalb Seed	DKB 5007	0.07	50.7	33.4	20.2
Gold Country Seed	426RR	0.08	49.9	32.9	20.5
AgSource Seed	9026	0.2	49.6	32.9	19.8
NK Brand Seed	S00-K5	00.5	49.2	35.6	18.8
Northstar Genetics Limited	NS0021RR	0.09	48.8	33.9	20.0
Hyland Seeds	RR Ridgeway	0.2	48.5	33.8	19.4
Thunder Seed Inc.	2502RR	0.3	48.4	33.6	19.4
Thunder Seed Inc.	26004RR	00.4	48.3	35.4	19.1
Dyna-Gro	30B04	00.4	47.1	33.2	20.2
Legend Seeds	LS0255	0.2	47.1	33.9	19.4
Croplan Genetics	RT0043	0.04	46.4	33.2	20.3
Asgrow Seed	AG00603	0.06	44.9	33.2	19.6
LSD .05			8.2*	0.8	0.3

* Yields that differ by less than 8.2 bu/a are not statistically different from each other.

Fosston Roundup Ready 2006 Polk County Soybean Variety Trial Rick Roed



Company	Variety	Rel. Maturity	Yield bu/a	Protein %	Oil %
Pioneer Seed	90M60	0.6	49.6	34.9	18.9
Proseed	60-40	0.4	46.8	34.6	19.7
Asgrow Seed	AG0401	0.4	46.1	33.9	19.5
AgSource Seed	9037	0.3	44.4	34.3	19.7
Croplan Genetics	RT406	0.4	43.6	34.2	19.7
Dyna-Gro	33T06	0.6	43.4	34.5	18.8
Thunder Seed Inc.	2505RR	0.5	42.8	34.6	18.7
Wensman Seed	W2030RR	0.3	42.4	34.4	19.7
Pioneer Seed	90M40	0.4	42.1	33.9	19.1
Stine Seed	S0306-4	0.3	41.8	34.1	19.8
Gold Country Seed	2703RR	0.3	41.6	34.1	19.8
Dyna-Gro	30M09	00.9	39.5	34.1	20.0
Pioneer Seed	90M20	0.2	39.5	33.9	19.0
Proseed	20-40	0.4	39.0	33.4	19.8
Asgrow Seed	AG0202	0.2	38.9	33.4	18.5
Mustang Seeds	M-036	0.3	38.9	32.6	19.3
Dyna-Gro	33K02	0.2	38.5	33.3	19.6
Wensman Seed	W2064RR	0.5	38.5	34.0	18.9
AgSource Seed	9057	0.5	38.1	34.2	19.0
Garst Seed	0188RR	0.1	38.1	33.2	19.5
Hyland Seeds	RR Reliant	0.3	37.2	35.6	18.3
Peterson Farm Seed	07009RR	00.9	36.7	34.4	20.0
Wensman Seed	W20074RR	00.7	36.2	32.3	20.3
NK Brand Seed	S02-M9	0.2	36.0	35.9	19.7
Peterson Farm Seed	07008RR	00.8	35.9	31.8	20.3
Seeds 2000	Exp0081RR	0.08	35.0	31.9	20.3
AgSource Seed	9026	0.2	34.8	32.3	19.5
Asgrow Seed	AG0301	0.3	34.5	33.3	19.2
Stine Seed	S0090-84	00.9	34.4	32.5	19.7
Mycogen Seed	5B004RR	00.4	34.1	32.6	19.9
NK Brand Seed	S01-T5	0.1	34.0	35.7	18.9
Hyland Seeds	RR Rugged	0.3	33.4	34.1	19.9
Mycogen Seed	5A009RR	00.9	33.4	33.8	20.0
Thunder Seed Inc.	26004RR	00.4	33.4	34.3	19.3
RoughRider Genetics	RG601NRR	0.1	32.7	34.0	19.2
Peterson Farm Seed	04009RR	00.9	32.6	33.5	19.3
Proseed	50-30	0.3	32.5	34.8	19.5
Croplan Genetics	RT0103	0.1	32.0	34.9	19.7
Garst Seed	0312RR	0.3	31.7	36.5	18.5
Northstar Genetics Limited	NS0031RR	0.08	31.2	32.5	19.7
Hyland Seeds	RR Ridgeway	0.2	30.9	32.7	19.1
Dekalb Seed	DKB009-51	0.09	30.8	34.8	18.6
RoughRider Genetics	RG604RR	0.4	30.7	33.1	19.4
Mycogen Seed	5B008RR	00.8	30.4	34.1	18.9
Northstar Genetics Limited	NS0021RR	0.09	30.4	32.8	19.9
Asgrow Seed	AG00603	0.06	30.1	33.4	18.9
Dekalb Seed	DKB 5007	0.07	29.7	32.6	20.0
Croplan Genetics	RT0043	0.04	29.1	33.1	19.7
Legend Seeds	LS0255	0.2	28.2	32.5	19.2
Legend Seeds	LS0036	0.03	27.4	33.6	19.7
Thunder Seed Inc.	2502RR	0.3	27.4	32.5	19.3
Gold Country Seed	426RR	0.08	27.2	33.2	19.7
RoughRider Genetics	RG600RR	0.0	27.2	33.1	19.8
Legend Seeds	LS0094	0.09	27.1	33.8	19.5
NK Brand Seed	S00-K5	00.5	25.5	35.6	18.8
Northstar Genetics Limited	NS0011RR	0.04	25.1	33.3	19.8
LSD .05			7.8*	1.4	0.6

* Yields that differ by less than 7.8 bu/a are not statistically different from each other.

2006 Polk County Soybean Variety Trial

Crookston
Conventional
Tyler & HD Ross



Company	Variety	Rel.Maturity	Yield bu/a	Protein %	Oil %
Hyland Seeds	T 2014	0.4	63.0	34.4	19.2
Thunder Seed Inc.	0598	0.5	61.6	34.5	19.2
Northstar Genetics Limited	NS0333	0.3	57.0	35.0	18.8
SunOpta	Panther	0.5	56.0	37.8	17.9
NDSU	Traill	0.0	53.3	36.9	18.1
Hyland Seeds	Emerson	00.6	53.1	33.4	20.1
U of M	MN0101	0.1	50.7	36.4	18.2
Northstar Genetics Limited	NS0002	0.09	47.5	33.5	19.2
SunOpta	Colibri	00.3	47.4	33.9	17.5
NDSU	Jim	00.7	41.3	35.7	18.4
LSD .05			8.8*	0.6	0.4

* Yields that differ by less than 8.8 bu/a are not statistically different from each other

Fosston
Conventional
Rick Roed

Company	Variety	Rel. Maturity	Yield bu/a	Protein %	Oil %
Thunder Seed Inc.	0598	0.5	35.9	35.1	19.0
Northstar Genetics Limited	NS0002	0.09	33.8	33.4	19.1
Hyland Seeds	Emerson	00.6	30.7	33.9	19.9
Northstar Genetics Limited	NS0333	0.3	30.2	35.1	18.7
NDSU	Traill	0.0	30.1	35.8	18.5
SunOpta	Panther	0.5	29.8	38.0	17.9
U of M	MN0101	0.1	28.0	35.0	18.8
Hyland Seeds	T 2014	0.4	27.9	33.2	19.7
SunOpta	Colibri	00.3	24.8	32.0	18.1
NDSU	Jim	00.7	20.8	35.7	18.0
LSD .05			6.5*	1.0	0.4

* Yields that differ by less than 6.5 bu/a are not statistically different from each other