

2010

Polk County Soybean Variety Trials
Russ Severson - U of M Extension Educator - Crops
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Location: Crookston

Cooperator: Tyler & HD Ross

Planting Date: May 15

Soil test:

- N = 39 lb/ac 0-24"
- P = 8 ppm
- K = 184 ppm
- O.M. = 4.3%
- Carb. = 4.4%
- Salts = .37 mmho
- pH = 8.1

Herbicides

All Varieties—May 17

- Valor 2.0 oz Pre-emergence

Conventional Varieties—June 24

- Raptor 2 oz./ac
- Rezult 1.8 + 1.8 p./ac
- Crop Oil—1.5 pt/ac.

Roundup Varieties—June 24 & July 28

- Roundup Powermax 1 qt/ac.
- Ammonium sulfate (39%) 1 qt/ac.

Harvest Date: Oct. 4 & 11



MN Soybean NW Regional Office
2613 Wheat Drive
Red Lake Falls, MN 56750

EXTENSION
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Polk County Roundup Ready Early Maturity Soybeans

*Yields that differ by less than 5.1 bu. are not statistically different from each other.

Company	Variety	RM	Oil %	Protein %	Yield (13%)
Legend Seed	LS 007R20	00.7	17.9	31.8	56.1
Thunder Seeds, Inc.	31009R2Y	00.9	17.8	31.9	55.8
Integra Seed	20090R	00.9	17.9	32.0	54.5
Croplan Genetics	R2T0085	00.8	18.0	32.1	54.3
Legend Seed	LS 009R20	00.9	18.1	31.6	53.8
Seeds 2000	0091 RR2Y	00.9	17.9	32.2	53.1
Stine Seed Co.	01RA06	0.1	17.2	32.7	52.5
Wensman Seed	W30091RR	00.9	17.7	31.7	51.2
Dairyland Seed Co., Inc.	DSR-C770/RR	00.7	17.4	33.5	47.9
Seeds 2000	0081RR	00.8	18.6	31.4	45.6
Integra Seed	97009R	00.9	18.6	31.3	43.9
Significance	LSD (.05)		0.4	0.8	5.1

Polk County Roundup Ready Medium Maturity Soybeans



*Yields that differ by less than 8.6 bu. are not statistically different from each other.

Company	Variety	RM	Oil %	Protein %	Yield (13%)
Gold Country Seed	0140R2Y	0.1	17.8	31.7	55.0
CPS/Dyna-Gro Seeds	35RY01	0.1	18.0	31.8	54.9
Asgrow	AG0231 RR2Y	0.2	17.0	32.6	54.7
Croplan Genetics	R2T0204	0.2	16.3	33.7	54.7
Proseed, Inc	P2 10-20 RR2Y	0.2	17.4	32.0	53.6
Asgrow	AG0131 RR2Y	0.1	17.6	33.6	51.1
CPS/Dyna-Gro Seeds	32B02	0.2	18.6	31.8	49.9
Hyland Seeds	Hx 01RY02	0.1	17.6	32.1	48.3
Pioneer Hi-Bred Int'l	09Y20	0.2	17.5	33.5	46.1
Integra Seed	79020R	0.2	16.4	33.6	45.0
Peterson Farm Seeds	PFS 1002RR	0.2	17.8	33.5	44.1
Thunder Seeds, Inc.	2901RR	0.1	17.6	33.0	42.5
Peterson Farm Seeds	PFS 1000RR	0.1	17.8	31.8	40.3
Hyland Seeds	Hx R2Y20	0.2	16.6	33.6	37.8
Thunder Seeds, Inc.	3102R2Y	0.2	16.1	34.1	34.0
Wensman Seed	W3000RR	0.1	16.5	33.8	29.0
Croplan Genetics	R2T0110	0.1	16.0	33.8	27.3
Significance	LSD (.05)		0.9	0.9	8.6

Polk County Roundup Ready Late Maturity Soybeans

*Yields that differ by less than 6.3 bu. are not statistically different from each other.

Company	Variety	RM	Oil %	Protein %	Yield (13%)
Asgrow	AG0331 RR2Y	0.3	16.7	33.1	53.4
Gold Country Seed	0640R2Y	0.6	17.2	31.6	51.5
Dairyland Seed Co., Inc.	DSR-0502/R2Y	0.5	17.1	30.4	50.0
Gold Country Seed	2805RR	0.6	16.8	32.5	48.7
Peterson Farm Seeds	PFS 0905RR	0.5	18.1	32.0	48.1
Hyland Seeds	Hx D4RY03	0.4	17.2	33.0	47.8
Proseed, Inc.	P2 10-40 RR2Y	0.4	17.1	33.1	47.3
Stine Seed Co.	0306-4	0.4	17.8	31.9	46.6
FILL PLOT	AG00901	0.9	17.7	32.9	46.6
Legend Seed	EX05R21	0.5	17.0	33.7	45.5
Pioneer Hi-Bred Int'l	09Y42	0.4	17.7	32.2	44.3
Proseed, Inc	09-40	0.4	17.4	31.9	43.9
CPS/Dyna-Gro Seeds	32T03	0.3	17.3	31.8	43.7
Pioneer Hi-Bred Int'l	90Y50	0.5	17.1	33.5	43.3
Stine Seed Co.	0302-4	0.3	17.1	33.6	30.5
Dairyland Seed Co., Inc.	DST04-001/R2Y	0.4	17.8	32.5	22.9
Significance	LSD (.05)		0.7	0.5	6.3



2010 Polk County Food Grade Soybean

*Yields that differ by less than 5.4 bu. are not statistically different from each other

**Crookston
Food Grade**

Tyler & HD Ross



Company	Variety	RM	Oil %	Protein %	Yield (13%)
Sunopta	Bravado	0.2	18.1	32.2	47.6
NDSU	Sheyenne	0.8	17.3	31.9	46.4
NDSU	Ashtabula	0.4	18.5	32.1	46.0
Legend	LS 0688	0.6	18.2	31.6	45.4
Thunder Seeds, Inc	07005	00.5	17.3	35.5	44.6
U of M	MO2-349072	0.0	16.7	34.1	44.6
Legend	LS 0090	00.9	18.4	32.3	44.3
Thunder Seeds, Inc.	TA-8	0.4	15.6	34.8	44.3
Sunopta	Valor	0.2	16.7	34.3	44.0
NDSU	Traill	0.0	17.1	34.7	43.5
Integra Seed	89009	00.9	18.1	31.7	43.5
U of M	MO2-349053	0.3	17.1	33.7	43.2
U of M	MO2-349008	0.3	16.2	34.8	41.9
U of M	MO2-349077	0.0	16.7	33.4	40.8
U of M	MN0208CN	0.2	17.4	34.8	39.1
U of M	MN0095	0.0	18.2	32.6	37.5
U of M	MN0093SP	0.0	17.1	32.2	35.5
U of M	MN0504	0.4	16.6	32.3	34.6
U of M	MN0105	0.1	16.1	36.3	34.5
U of M	MN0104SP	0.1	16.1	36.2	31.2
Significance	LSD (.05)		0.6	0.9	5.4

This report, brought to you by the Polk County Soybean Growers Association, is just one example of your soybean check off dollars working to increase farmer profitability through improved soybean yields and quality.

This report would not be possible without the cooperative efforts of University of Minnesota Extension, NW Research and Outreach Center, Minnesota Soybean Growers Association and the Soybean Seed Companies who provide financial assistance.

For more Minnesota Soybean Grower Association membership information, please contact Lorri Ann Hartel at: 1-800-242-6118, ext. 20.