Minnesota Soybean Northern Office

2613 Wheat Drive, Red Lake Falls, MN 56750
Phone 800-242-6118 ext. 120
www.mnsoybean.org

Minnesota Soybean Research & Promotion Council

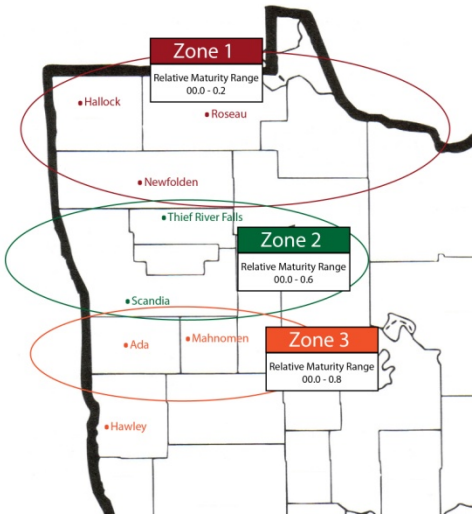
Dear MN Soybean Member:

We want to thank you for your membership in the Minnesota Soybean Growers Association. Your membership, along with other memberships in our County, allows us to be an organized county.

As an organized county, our County Soybean Growers Association is working with other area county soybean associations to help expand the research and information available to us as soybean growers. One example of this is our Coordinated Soybean Variety Trial program. The trial results from 2012 are attached.

We want to thank the plot cooperators for hosting the 2012 site on their land. We also want to thank the University of Minnesota Extension for making these plots possible. The Minnesota Soybean Research & Promotion Council and seed companies helped fund these trials. Please thank them.

Below is a map highlighting the seven coordinated variety trials and zones in NW Minnesota. Please take a look at the enclosed trial results. It contains individual results from all three locations in the northern zone as well as the combined results from the three locations.



The results from the other two zones will be available in the near future on the internet at:
http://www.smallgrains.org/soybeanwebsite/index.html

Sincerely,
Your County Soybean Growers Association Board

2012 Soybean Variety Trials - Combined Data from Zone 1
Hallock, Newfolden & Roseau

a program of the Kittson, Marshall & Roseau/Lake of the Woods County Soybean Growers Association

Combined Data Interpretation: The combined data will allow you to see how varieties perform across different environments. As you evaluate these tables you may want to see how a variety performs in your area and compare it to how it performs in several locations before making a variety selection decision. Combining data also typically improves your ability to detect smaller differences in yields (ex. LSD) because it increases the number of replications in the statistical analysis.

Data Interpretation:
Statistics are a mathematical tool used to summarize and interpret groups of numbers. In these tables we used a LSD (least significant difference) test to determine if differences in yield are due to genetic differences between
varieties or due to other causes such as variability in soil type or fertility, or other environmental factors.

If the difference between two varieties exceeds the LSD value, it means that with 80 percent probability, the higher yielding variety is significantly different in yield. If the difference between two varieties is less than the LSD value, then the variety yields are considered the same. The LSD number is also a measure of variability within a trial and a large number indicates there is more variability in a location compared to a location with a small LSD number.

Collaborators: Howard Person, U of MN Extension Educator, Marshall & Pennington Counties; Ben Arlt, U of MN Extension Educator, Norman & Mahnomen Counties; Jim Stordahl, U of MN Extension Educator, Polk County; Phil Glogoza, U of MN Extension, Regional Crops Educator and Galen Thompson, NWROC, Research Fellow

2012 Combined Data - Zone 1 - LATE MATURITY

Company	Variety	Relative Maturity	Hallock Yield (bu/A)	Newfolden Yield (bu/A)	Roseau Yield (bu/A)	Avg across locations
Thunder Seed Inc.	3202R2Y	0.2	44.1	46.4	48.0	46.2
Peterson Farms Seed	PFS 11R01	0.1	46.4	48.5	40.6	45.2
Peterson Farms Seed	PFS 13R01	0.1	44.5	48.5	41.7	44.9
Thunder Seed Inc.	3201R2Y	0.1	43.9	46.6	43.6	44.7
Hefty Seed Co.	H02Y11	0.2	41.5	46.3	41.5	43.1
Hyland Seeds	HS 01RY02	0.1	42.4	45.0	40.4	42.6
Stine Seeds	01RD66	0.0	38.5	44.3	44.6	42.5
Proseed Inc.	P2 20-00	0.0	42.6	41.0	42.6	42.1
Prairie Brand	PB-0131R2	0.1	42.1	40.7	43.3	42.0
REA Hybrids	61G21	0.1	40.8	42.6	42.4	41.9
Prairie Brand	PB-0240R2	0.2	40.8	42.4	42.2	41.8
Dyna-Gro Seed	34RY03	0.2	39.3	44.1	42.9	41.8
Hefty Seed Co.	H00Y12	0.0	39.1	41.0	43.5	41.2
Syngenta	S02-B4	0.2	35.6	42.4	44.0	40.7
NuTech Seed	6012	0.1	39.8	38.2	41.1	39.7
Pioneer Hi-Bred International	90Y21	.2	42.2	37.3	38.4	39.3
NuTech Seed	6025	0.2	37.5	40.4	39.5	38.8
Pioneer Hi-Bred International	90Y01	00.0	33.8	40.9	36.2	36.6
		Average bu/A	40.8	43.1	42.0	41.9
		LSD .2 =	*4.9*	*4.6*	*1.7*	2.2

All yields are adjusted to 13% moisture.

For Additional Information Contact:
Russ Severson, University of MN Extension
email: rseverso@umn.edu

University of Minnesota EXTENSION Driven to Discover℠

Project Funding provided by:
Minnesota Soybean Research & Promotion Council

2012 Combined Data - Zone 1 - EARLY MATURITY

Company	Variety	Relative Maturity	Hallock Yield (bu/A)	Newfolden Yield (bu/A)	Roseau Yield (bu/A)	Avg across locations
Dairyland	DSR-C905/R2Y	0.09	55.1	37.0	46.8	46.3
Proseed Inc.	P2 20-08	0.08	52.8	41.5	43.8	46.0
Dyna-Gro Seed	S008RY43	0.08	51.6	43.8	41.0	45.5
Hyland Seeds	HS 006RYS24	00.6	49.5	40.3	46.0	45.3
NorthStar Genetics	NS0088R2	00.8	41.6	44.3	45.5	43.8
NorthStar Genetics	NS0057R2	00.5	44.3	42.6	42.9	43.3
Integra Seed	20052	0.05	42.8	44.7	41.5	43.0
Prairie Brand	PB-00844R2	0.08	46.2	42.3	40.0	42.8
Wensman Seed Co.	W 30099R2	0.09	41.8	43.5	42.3	42.5
Thunder Seed Inc.	33009R2YN	00.9	43.1	42.4	41.6	42.3
Integra Seed	20080	0.08	42.8	41.9	42.1	42.3
Prairie Brand	PB-00560R2	0.05	46.2	40.6	40.0	42.3
Dyna-Gro Seed	30RY04	0.04	47.4	39.4	39.7	42.2
Channel	00806R2	00.8	45.0	40.0	41.5	42.2
Syngenta	S00-A7	0.07	45.6	38.4	42.3	42.1
Hefty Seed Co.	H007Y12	00.7	44.9	37.9	43.1	42.0
Legend Seeds	LS 009R20	.09	41.8	42.0	42.0	41.9
NorthStar Genetics	NS0096R2	00.9	43.6	41.6	40.2	41.8
NuTech Seed	0090	00.9	44.3	40.5	40.3	41.7
Legend Seeds	LS 008R22N	.08	43.8	39.2	42.1	41.7
Legend Seeds	LS 007R22	.07	45.4	37.4	42.3	41.7
Dyna-Gro Seed	30RY07	0.07	44.8	37.3	42.0	41.4
REA Hybrids	53G32	00.3	43.5	39.7	40.8	41.3
Dairyland	DSR-C506/R2Y	0.05	44.3	36.0	43.5	41.3
Legend Seeds	LS 003R21	.03	48.2	35.6	40.0	41.3
Proseed Inc.	P2 11-07	0.07	47.1	38.1	38.2	41.1
Hefty Seed Co.	H009Y12	00.9	51.8	32.3	39.0	41.0
Seeds 2000	0091 RR2Y	00.9	42.9	38.1	41.6	40.9
Peterson Farms Seed	PFS 12R007	00.7	43.5	40.1	39.0	40.9
Thunder Seed Inc.	32005R2Y	00.5	45.9	35.0	40.7	40.5
Channel	00506R2	00.5	45.4	33.8	40.5	39.9
NorthStar Genetics	NS0077R2	00.7	46.2	33.7	39.4	39.8
REA Hybrids	55G22	00.5	38.1	39.4	41.4	39.6
Wensman Seed Co.	W 30088R2	0.08	40.5	37.4	40.9	39.6
Stine Seeds	01RC62	00.9	42.3	35.7	40.1	39.4
REA Hybrids	58G82	00.8	38.0	36.5	43.4	39.3
Pioneer Hi-Bred International	900Y81	.008	39.9	36.1	39.4	38.5
NuTech Seed	6009	00.9	37.7	38.8	38.3	38.3
Wensman Seed Co.	W 30042R2	0.04	36.4	36.3	41.3	38.0
Proseed Inc.	P2 10-08	0.08	39.9	36.3	33.8	36.7
		Average bu/A	44.4	38.9	41.3	41.5
		LSD .2 =	6.5	5.1	3.3	3.0

All yields are adjusted to 13% moisture.

Kittson County
Soybean Variety Trials

a program of the Kittson County Soybean Growers Association

Cooperator/Location:	*Ron Anderson, Hallock, MN*
Planting Date:	*May 10, 2012*
Harvest Date:	*September 18, 2012*
Experimental Design:	*RCB 3 replications*

County Soybean Board:

Charles Dziengel, Chairman, Kennedy, MN, dziengel@wiktel.com
Mark Wiese, Vice Chairman, Humboldt, MN, mkw@invisimax.com
Theresia Gillie, State Director & Secretary/Treasurer, Hallock, MN, tgillie@hughes.net
Jeff Mortenson, Director, Kennedy, MN, mort@polarcomm.com
Roger Dziengel, Plot Coordinator, Kennedy, MN, roger.dziengel@plantpioneer.com

Coordinated County Variety Trials and Research Trials:

The data presented here is part of a coordinated effort by County Soybean Grower Associations and U of M Extension to expand the amount of research information that soybean growers in NW Minnesota have access to. These trials are funded by your Minnesota Soybean Check-off and entry fees paid by seed companies.

There are seven county associations at seven locations across NW Minnesota that participated in this coordinated effort. Each trial location had additional research trials on either plant populations and micro nutrients or fungicides. The results of these trials will be disseminated in the On-Farm Cropping Trials Booklet which will be available at the Prairie Grains Conference, December 13, 2012 and at future county meetings.

About This Variety Plot Trial:

The County Soybean Variety Plots are randomized small plot trials. They utilized three replicated blocks in each location. The soybean plots were planted with a Haldrup small plot cone planter and harvested with a small plot Zurn combine. For weed control the plots were sprayed with glyphosate by the farmer-cooperator using commercial size equipment, utilizing driving lanes through the plots.

Data Interpretation:

Statistics are a mathematical tool used to summarize and interpret groups of numbers. In these tables we used a LSD (least significant difference) test to determine if differences in yield are due to genetic differences between varieties or due to other causes such as variability in soil type or fertility, or other environmental factors.

If the difference between two varieties exceeds the LSD value, it means that with 80 percent probability, the higher yielding variety is significantly different in yield. If the difference between two varieties is less than the LSD value, then the variety yields are considered the same. The LSD number is also a measure of variability within a trial and a large number indicates there is more variability in a location compared to a location with a small LSD number.

Collaborators: Howard Person, U of MN Extension Educator, Marshall & Pennington Counties; Ben Arlt, U of MN Extension Educator, Norman & Mahnomen Counties; Jim Stordahl, U of MN Extension Educator, Polk County; Phil Glogoza, U of MN Extension, Regional Crops Educator and Galen Thompson, NWROC, Research Fellow

For Additional Information Contact:
Russ Severson, University of MN Extension
email: rseverso@umn.edu

University of Minnesota Extension
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Project Funding provided by:
Minnesota Soybean Research & Promotion Council

2012 Hallock - EARLY MATURITY

Company	Variety	Relative Maturity	Yield (bu/A)
Dairyland	DSR-C905/R2Y	0.09	55.1
Proseed Inc.	P2 20-08	0.08	52.8
Hefty Seed Co.	H009Y12	00.9	51.8
Dyna-Gro Seed	S008RY43	0.08	51.6
Hyland Seeds	HS 006RYS24	00.6	49.5
Legend Seeds	LS 003R21	.03	48.2
Dyna-Gro Seed	30RY04	0.04	47.4
Proseed Inc.	P2 11-07	0.07	47.1
NorthStar Genetics	NS0077R2	00.7	46.2
Prairie Brand	PB-00560R2	0.05	46.2
Prairie Brand	PB-00844R2	0.08	46.2
Thunder Seed Inc.	32005R2Y	00.5	45.9
Syngenta	S00-A7	0.07	45.6
Channel	00506R2	00.5	45.4
Legend Seeds	LS 007R22	.07	45.4
Channel	00806R2	00.8	45.0
Hefty Seed Co.	H007Y12	00.7	44.9
Dyna-Gro Seed	30RY07	0.07	44.8
Dairyland	DSR-C506/R2Y	0.05	44.3
NorthStar Genetics	NS0057R2	00.5	44.3
NuTech Seed	0090	00.9	44.3
Legend Seeds	LS 008R22N	.08	43.8
NorthStar Genetics	NS0096R2	00.9	43.6
Peterson Farms Seed	PFS 12R007	00.7	43.5
REA Hybrids	53G32	00.3	43.5
Thunder Seed Inc.	33009R2YN	00.9	43.1
Seeds 2000	0091 RR2Y	00.9	42.9
Integra Seed	20052	0.05	42.8
Integra Seed	20080	0.08	42.8
Stine Seeds	01RC62	00.9	42.3
Legend Seeds	LS 009R20	.09	41.8
Wensman Seed Co.	W 30099R2	0.09	41.8
NorthStar Genetics	NS0088R2	00.8	41.6
Wensman Seed Co.	W 30088R2	0.08	40.5
Proseed Inc.	P2 10-08	0.08	39.9
Pioneer Hi-Bred International	900Y81	.008	39.9
REA Hybrids	55G22	00.5	38.1
REA Hybrids	58G82	00.8	38.0
NuTech Seed	6009	00.9	37.7
Wensman Seed Co.	W 30042R2	0.04	36.4
		Location Average (bu/A)	44.4
		LSD .20 =	6.5

All yields are adjusted to 13% moisture.

2012 Hallock - LATE MATURITY

Company	Variety	Relative Maturity	Yield (bu/A)
Peterson Farms Seed	PFS 11R01	0.1	46.4
Peterson Farms Seed	PFS 13R01	0.1	44.5
Thunder Seed Inc.	3202R2Y	0.2	44.1
Thunder Seed Inc.	3201R2Y	0.1	43.9
Proseed Inc.	P2 20-00	0.0	42.6
Hyland Seeds	HS 01RY02	0.1	42.4
Pioneer Hi-Bred International	90Y21	.2	42.2
Prairie Brand	PB-0131R2	0.1	42.1
Hefty Seed Co.	H02Y11	0.2	41.5
Prairie Brand	PB-0240R2	0.2	40.8
REA Hybrids	61G21	0.1	40.8
NuTech Seed	6012	0.1	39.8
Dyna-Gro Seed	34RY03	0.2	39.3
Hefty Seed Co.	H00Y12	0.0	39.1
Stine Seeds	01RD66	0.0	38.5
NuTech Seed	6025	0.2	37.5
Syngenta	S02-B4	0.2	35.6
Pioneer Hi-Bred International	90Y01	00.0	33.8
		Location Average (bu/A)	*40.8*
		LSD .20 =	*4.9*

All yields are adjusted to 13% moisture.

Thank you to the following Seed Companies for participating in the 2012 Soybean Variety Trials:

Asgrow - www.asgrowanddekalb.com
Channel - www.channel.com
Croplan Genetics - www.croplangenetics.com
Dairyland Seed Company - www.Dairylandseed.com
Dyna-Gro Seed - www.dynagroseed.com
Gold Country Seed - www.goldcountryseed.com
Hefty Seed Company - www.heftyseed.com
Hyland Seeds - www.hylandseeds.com
Integra Seed - www.integraseed.com
Legend Seeds - www.legendseeds.net
Northstar Genetics - www.northstargenetics.com
NuTech Seed - www.nutechseed.com
Peterson Farms Seed - www.petersonfarmsseed.com
Pioneer Hi-Bred International - www.pioneer.com
Prairie Brand - www.prairiebrand.com
Producers Hybrids - www.producershybrids.com
Proseed Inc. - www.proseed.net
REA Hybrids - www.rea-hybrids.com
Seeds 2000 - www.seeds2000.net
Stine Seeds - www.stineseed.com
Syngenta - www.syngenta-us.com
Thunder Seed Inc. - www.thunderseed.com
Wensman Seed Company - www.wensmanseed.com

Marshall County Soybean Variety Trials

a program of the Marshall County Soybean Growers Association

Cooperator/Location:	*Rodney Liedberg, Newfolden, MN*
Planting Date:	*May 10, 2012*
Harvest Date:	*September 19, 2012*
Experimental Design:	*RCB 3 replications*

County Soybean Board:

Cecil Deschene, Chairman & State Delegate, Argyle, MN, cecil@wiktel.com
Brandon Gornowicz, Vice Chairman, Warren, MN
Denise Olson, Secretary/Treasurer, Warren, MN paolson4@gmail.com
Rodney Liedberg, Director & Alternate State Delegate, Newfolden, MN, liedberg@wiktel.com
Philip Olson, Plot Coordinator, Warren, MN, paolson4@gmail.com

Coordinated County Variety Trials and Research Trials:

The data presented here is part of a coordinated effort by County Soybean Grower Associations and U of M Extension to expand the amount of research information that soybean growers in NW Minnesota have access to. These trials are funded by your Minnesota Soybean Check-off and entry fees paid by seed companies.

There are seven county associations at seven locations across NW Minnesota that participated in this coordinated effort. Each trial location had additional research trials on either plant populations and micro nutrients or fungicides. The results of these trials will be disseminated in the On-Farm Cropping Trials Booklet which will be available at the Prairie Grains Conference, December 13, 2012 and at future county meetings.

About This Variety Plot Trial:

The County Soybean Variety Plots are randomized small plot trials. They utilized three replicated blocks in each location. The soybean plots were planted with a Haldrup small plot cone planter and harvested with a small plot Zurn combine. For weed control the plots were sprayed with glyphosate by the farmer-cooperator using commercial size equipment, utilizing driving lanes through the plots.

Data Interpretation:

Statistics are a mathematical tool used to summarize and interpret groups of numbers. In these tables we used a LSD (least significant difference) test to determine if differences in yield are due to genetic differences between varieties or due to other causes such as variability in soil type or fertility, or other environmental factors.

If the difference between two varieties exceeds the LSD value, it means that with 80 percent probability, the higher yielding variety is significantly different in yield. If the difference between two varieties is less than the LSD value, then the variety yields are considered the same. The LSD number is also a measure of variability within a trial and a large number indicates there is more variability in a location compared to a location with a small LSD number.

Collaborators: Howard Person, U of MN Extension Educator, Marshall & Pennington Counties; Ben Arlt, U of MN Extension Educator, Norman & Mahnomen Counties; Jim Stordahl, U of MN Extension Educator, Polk County; Phil Glogoza, U of MN Extension, Regional Crops Educator and Galen Thompson, NWROC, Research Fellow

For Additional Information Contact:
Russ Severson, University of MN Extension
email: rseverso@umn.edu

University of Minnesota Extension Driven to Discover℠

Project Funding provided by:
Minnesota Soybean Research & Promotion Council

2012 Newfolden - EARLY MATURITY

Company	Variety	Relative Maturity	Yield (bu/A)
Integra Seed	20052	0.05	44.7
NorthStar Genetics	NS0088R2	00.8	44.3
Dyna-Gro Seed	S008RY43	0.08	43.8
Wensman Seed Co.	W 30099R2	0.09	43.5
NorthStar Genetics	NS0057R2	00.5	42.6
Thunder Seed Inc.	33009R2YN	00.9	42.4
Prairie Brand	PB-00844R2	0.08	42.3
Legend Seeds	LS 009R20	.09	42.0
Integra Seed	20080	0.08	41.9
NorthStar Genetics	NS0096R2	00.9	41.6
Proseed Inc.	P2 20-08	0.08	41.5
Prairie Brand	PB-00560R2	0.05	40.6
NuTech Seed	0090	00.9	40.5
Hyland Seeds	HS 006RYS24	00.6	40.3
Peterson Farms Seed	PFS 12R007	00.7	40.1
Channel	00806R2	00.8	40.0
REA Hybrids	53G32	00.3	39.7
Dyna-Gro Seed	30RY04	0.04	39.4
REA Hybrids	55G22	00.5	39.4
Legend Seeds	LS 008R22N	.08	39.2
NuTech Seed	6009	00.9	38.8
Syngenta	S00-A7	0.07	38.4
Proseed Inc.	P2 11-07	0.07	38.1
Seeds 2000	0091 RR2Y	00.9	38.1
Hefty Seed Co.	H007Y12	00.7	37.9
Wensman Seed Co.	W 30088R2	0.08	37.4
Legend Seeds	LS 007R22	.07	37.4
Dyna-Gro Seed	30RY07	0.07	37.3
Dairyland	DSR-C905/R2Y	0.09	37.0
REA Hybrids	58G82	00.8	36.5
Wensman Seed Co.	W 30042R2	0.04	36.3
Proseed Inc.	P2 10-08	0.08	36.3
Pioneer Hi-Bred International	900Y81	.008	36.1
Dairyland	DSR-C506/R2Y	0.05	36.0
Stine Seeds	01RC62	00.9	35.7
Legend Seeds	LS 003R21	.03	35.6
Thunder Seed Inc.	32005R2Y	00.5	35.0
Channel	00506R2	00.5	33.8
NorthStar Genetics	NS0077R2	00.7	33.7
Hefty Seed Co.	H009Y12	00.9	32.3
		Location Average (bu/A)	*38.9*
		LSD 0.2 =	*5.1*

All yields are adjusted to 13% moisture.

2012 Newfolden - LATE MATURITY

Company	Variety	Relative Maturity	Yield (bu/A)
Peterson Farms Seed	PFS 11R01	0.1	48.5
Peterson Farms Seed	PFS 13R01	0.1	48.5
Thunder Seed Inc.	3201R2Y	0.1	46.6
Thunder Seed Inc.	3202R2Y	0.2	46.4
Hefty Seed Co.	H02Y11	0.2	46.3
Hyland Seeds	HS 01RY02	0.1	45.0
Stine Seeds	01RD66	0.0	44.3
Dyna-Gro Seed	34RY03	0.2	44.1
REA Hybrids	61G21	0.1	42.6
Syngenta	S02-B4	0.2	42.4
Prairie Brand	PB-0240R2	0.2	42.4
Hefty Seed Co.	H00Y12	0.0	41.0
Proseed Inc.	P2 20-00	0.0	41.0
Pioneer Hi-Bred International	90Y01	00.0	40.9
Prairie Brand	PB-0131R2	0.1	40.7
NuTech Seed	6025	0.2	40.4
NuTech Seed	6012	0.1	38.2
Pioneer Hi-Bred International	90Y21	.2	37.3
		Location Average (bu/A)	*43.1*
		LSD 0.2 =	*4.6*

All yields are adjusted to 13% moisture.

Thank you to the following Seed Companies for participating in the 2012 Soybean Variety Trials:

Asgrow - www.asgrowanddekalb.com
Channel - www.channel.com
Croplan Genetics - www.croplangenetics.com
Dairyland Seed Company - www.Dairylandseed.com
Dyna-Gro Seed - www.dynagroseed.com
Gold Country Seed - www.goldcountryseed.com
Hefty Seed Company - www.heftyseed.com
Hyland Seeds - www.hylandseeds.com
Integra Seed - www.integraseed.com
Legend Seeds - www.legendseeds.net
Northstar Genetics - www.northstargenetics.com
NuTech Seed - www.nutechseed.com
Peterson Farms Seed - www.petersonfarmsseed.com
Pioneer Hi-Bred International - www.pioneer.com
Prairie Brand - www.prairiebrand.com
Producers Hybrids - www.producershybrids.com
Proseed Inc. - www.proseed.net
REA Hybrids - www.rea-hybrids.com
Seeds 2000 - www.seeds2000.net
Stine Seeds - www.stineseed.com
Syngenta - www.syngenta-us.com
Thunder Seed Inc. - www.thunderseed.com
Wensman Seed Company - www.wensmanseed.com

Roseau/Lake of the Woods County Soybean Variety Trials

a program of the Roseau/Lake of the Woods County Soybean Growers Association

Cooperator/Location:	*Tony & Amy Brateng, Roseau, MN*
Planting Date:	*May 16, 2012*
Harvest Date:	*September 20, 2012*
Experimental Design:	*RCB 3 replications*

County Soybean Board:

Jason Smith, President, Badger, MN, jason.smith@borderstatebank.com
Bryan Hontvet, Vice President, Warroad, MN, squeakhontvet@hotmail.com
Amy Brateng, Secretary/Treasurer, Roseau, MN, amy.brateng@plantpioneer.com
Jim Kukowski, Director & State Delegate, Strathcona, MN, kukowskiseed@wiktel.com
Drew Parsley, Director & MSRPC District 1 Rep, Warroad, MN, dcat4@hotmail.com

Coordinated County Variety Trials and Research Trials:

The data presented here is part of a coordinated effort by County Soybean Grower Associations and U of M Extension to expand the amount of research information that soybean growers in NW Minnesota have access to. These trials are funded by your Minnesota Soybean Check-off and entry fees paid by seed companies.

There are seven county associations at seven locations across NW Minnesota that participated in this coordinated effort. Each trial location had additional research trials on either plant populations and micro nutrients or fungicides. The results of these trials will be disseminated in the On-Farm Cropping Trials Booklet which will be available at the Prairie Grains Conference, December 13, 2012 and at future county meetings.

About This Variety Plot Trial:

The County Soybean Variety Plots are randomized small plot trials. They utilized three replicated blocks in each location. The soybean plots were planted with a Haldrup small plot cone planter and harvested with a small plot Zurn combine. For weed control the plots were sprayed with glyphosate by the farmer-cooperator using commercial size equipment, utilizing driving lanes through the plots.

Data Interpretation:

Statistics are a mathematical tool used to summarize and interpret groups of numbers. In these tables we used a LSD (least significant difference) test to determine if differences in yield are due to genetic differences between varieties or due to other causes such as variability in soil type or fertility, or other environmental factors.

If the difference between two varieties exceeds the LSD value, it means that with 80 percent probability, the higher yielding variety is significantly different in yield. If the difference between two varieties is less than the LSD value, then the variety yields are considered the same. The LSD number is also a measure of variability within a trial and a large number indicates there is more variability in a location compared to a location with a small LSD number.

Collaborators: Howard Person, U of MN Extension Educator, Marshall & Pennington Counties; Ben Arlt, U of MN Extension Educator, Norman & Mahnomen Counties; Jim Stordahl, U of MN Extension Educator, Polk County; Phil Glogoza, U of MN Extension, Regional Crops Educator and Galen Thompson, NWROC, Research Fellow

For Additional Information Contact:
Russ Severson, University of MN Extension
email: rseverso@umn.edu

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Project Funding provided by:
Minnesota Soybean Research & Promotion Council

2012 Roseau - EARLY MATURITY

Company	Variety	Relative Maturity	Yield (bu/A)
Dairyland	DSR-C905/R2Y	0.09	46.8
Hyland Seeds	HS 006RYS24	00.6	46.0
NorthStar Genetics	NS0088R2	00.8	45.5
Proseed Inc.	P2 20-08	0.08	43.8
Dairyland	DSR-C506/R2Y	0.05	43.5
REA Hybrids	58G82	00.8	43.4
Hefty Seed Co.	H007Y12	00.7	43.1
NorthStar Genetics	NS0057R2	00.5	42.9
Syngenta	S00-A7	0.07	42.3
Wensman Seed Co.	W 30099R2	0.09	42.3
Legend Seeds	LS 007R22	.07	42.3
Integra Seed	20080	0.08	42.1
Legend Seeds	LS 008R22N	.08	42.1
Legend Seeds	LS 009R20	.09	42.0
Dyna-Gro Seed	30RY07	0.07	42.0
Seeds 2000	0091 RR2Y	00.9	41.6
Thunder Seed Inc.	33009R2YN	00.9	41.6
Channel	00806R2	00.8	41.5
Integra Seed	20052	0.05	41.5
REA Hybrids	55G22	00.5	41.4
Wensman Seed Co.	W 30042R2	0.04	41.3
Dyna-Gro Seed	S008RY43	0.08	41.0
Wensman Seed Co.	W 30088R2	0.08	40.9
REA Hybrids	53G32	00.3	40.8
Thunder Seed Inc.	32005R2Y	00.5	40.7
Channel	00506R2	00.5	40.5
NuTech Seed	0090	00.9	40.3
NorthStar Genetics	NS0096R2	00.9	40.2
Stine Seeds	01RC62	00.9	40.1
Prairie Brand	PB-00560R2	0.05	40.0
Prairie Brand	PB-00844R2	0.08	40.0
Legend Seeds	LS 003R21	.03	40.0
Dyna-Gro Seed	30RY04	0.04	39.7
NorthStar Genetics	NS0077R2	00.7	39.4
Pioneer Hi-Bred International	900Y81	.008	39.4
Peterson Farms Seed	PFS 12R007	00.7	39.0
Hefty Seed Co.	H009Y12	00.9	39.0
NuTech Seed	6009	00.9	38.3
Proseed Inc.	P2 11-07	0.07	38.2
Proseed Inc.	P2 10-08	0.08	33.8
		Location Average (bu/A)	*41.3*
		LSD .20 =	*3.3*

All yields are adjusted to 13% moisture.

2012 Roseau - LATE MATURITY

Company	Variety	Relative Maturity	Yield (bu/A)
Thunder Seed Inc.	3202R2Y	0.2	48.0
Stine Seeds	01RD66	0.0	44.6
Syngenta	S02-B4	0.2	44.0
Thunder Seed Inc.	3201R2Y	0.1	43.6
Hefty Seed Co.	H00Y12	0.0	43.5
Prairie Brand	PB-0131R2	0.1	43.3
Dyna-Gro Seed	34RY03	0.2	42.9
Proseed Inc	P2 20-00	0.0	42.6
REA Hybrids	61G21	0.1	42.4
Prairie Brand	PB-0240R2	0.2	42.2
Peterson Farms Seed	PFS 13R01	0.1	41.7
Hefty Seed Co.	H02Y11	0.2	41.5
NuTech Seed	6012	0.1	41.1
Peterson Farms Seed	PFS 11R01	0.1	40.6
Hyland Seeds	HS 01RY02	0.1	40.4
NuTech Seed	6025	0.2	39.5
Pioneer Hi-Bred International	90Y21	.2	38.4
Pioneer Hi-Bred International	90Y01	00.0	36.2
		Location Average (bu/A)	*42.0*
		LSD 0.2 =	*1.7*

All yields are adjusted to 13% moisture.

Thank you to the following Seed Companies for participating in the 2012 Soybean Variety Trials:

Asgrow - www.asgrowanddekalb.com
Channel - www.channel.com
Croplan Genetics - www.croplangenetics.com
Dairyland Seed Company - www.Dairylandseed.com
Dyna-Gro Seed - www.dynagroseed.com
Gold Country Seed - www.goldcountryseed.com
Hefty Seed Company - www.heftyseed.com
Hyland Seeds - www.hylandseeds.com
Integra Seed - www.integraseed.com
Legend Seeds - www.legendseeds.net
Northstar Genetics - www.northstargenetics.com
NuTech Seed - www.nutechseed.com
Peterson Farms Seed - www.petersonfarmsseed.com
Pioneer Hi-Bred International - www.pioneer.com
Prairie Brand - www.prairiebrand.com
Producers Hybrids - www.producershybrids.com
Proseed Inc. - www.proseed.net
REA Hybrids - www.rea-hybrids.com
Seeds 2000 - www.seeds2000.net
Stine Seeds - www.stineseed.com
Syngenta - www.syngenta-us.com
Thunder Seed Inc. - www.thunderseed.com
Wensman Seed Company - www.wensmanseed.com