

# 2007 Soybean Production Conference

## University of Minnesota Extension Update

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## 2006 Soybean Variety Trials



- **Early Maturity RR/GT – 1.3 to 1.8 (40 Entries)**
- **Late Maturity RR/GT – 1.9 to 2.5 (38 Entries)**
- **Short Season RR/GT (beans after peas) – 0.5-1.5 (24 Entries)**
- **Food Grade & Special Use Soybeans (27 Entries)**
- **SCN Variety Trial RR/GT (19 Entries)**

Hope, Dodge Center, Potsdam, Spring Valley, Waseca  
MN Crop Improvement



**Early maturity (1.3-1.8)GT/RR® soybean average yield (13%)  
Potsdam, Spring Valley, and Waseca (40 Entries)**

1.3 to 1.8 maturities	Maturity	% moisture	bu/A	% oil	% protein
Nu Tech Seed NT-1717 + RR/SCN	1.7	12.7	65.3	18.3	33.4
LG Seeds C1401RR	1.4	12.4	64.6	17.7	34.1
Latham L1838R Brand	1.8	12.5	64.5	18.1	33.4
Prairie Brand PB-1754RR	1.7	12.5	64.3	16.5	36.3
Atlas 5B170RR	1.7	12.5	64.1	17.3	34.5
Croplan Genetics RT 1784	1.7	12.5	64.1	17.4	34.3
Gold Country 2717 NRR	1.7	12.6	64.1	18.2	33.2
Prairie Brand PB-1525RR	1.5	12.5	63.9	17.7	34.0
Stine 1300-4	1.3	12.5	63.2	17.8	34.3
Trelay 2164	1.6	12.4	63.2	17.5	33.7

LSD = 3.2 bu/a

**Late maturity (1.9-2.5)GT/RR® soybean average yield (13%)  
Potsdam and Spring Valley (38 Entries)**

1.9 to 2.5 maturities	Maturity	bu/A	% oil	% protein
NK Brand S21-N6	2.1	67.3	17.8	33.5
Renk RS 223RR	2.2	64.2	17.4	33.9
Producers Hybrids 210RR	2.1	62.9	17.3	34.1
Stine 1918-4	1.9	62.7	17.5	34.1
Prairie Brand PB-1916RR	1.9	62.3	17.4	33.5
Croplan Genetics RT2092	2.0	61.8	17.6	34.3
Dekalb DKB22-52	2.2	61.4	17.7	34.1
Crows C 2317R	2.3	61.3	17.1	35.2
Latham L2500R Brand	2.5	61.3	16.6	35.5
Garst Seed 2018RR	2.0	60.9	17.4	33.3

LSD = 2.9 bu/a

**Short Season GT/RR® soybean varieties (0.5 – 1.5) moisture,  
grain yield (13%), oil and protein content at Potsdam and Waseca  
Planted June 22, 2006 (24 Entries)**

0.5 to 1.5 maturities	Maturity	% moisture	bu/A	% oil	% protein
Gold Country 2713RR	1.3	12.9	41.6	15.8	35.8
Stine 1300-4	1.3	12.7	41.6	16.2	34.9
Renk RS 115RR	1.1	12.4	40.7	16.0	35.2
Prairie Brand PB-0936RR	0.9	12.9	39.9	15.5	36.2
Asgrow AG1401	1.4	13.8	39.8	16.1	35.7
NK S12-P4	1.2	12.8	39.7	15.8	35.6
LG Seeds C1401RR	1.4	12.8	39.6	16.2	35.0

**2006 Food Grade & Special Use Soybean description, 3-site  
average yield (13%), and 2-site average oil and protein  
content, ranked by protein (27 Entries).**

Entry	Description	Hilum	3-Site Average <sup>1</sup>		2-Site Average <sup>2</sup>	
			% moisture	bu/A	% oil	% protein
M99-334028	Low lipoxegenase, protein	Buff	13.2	44	16.5	40.4
SurePro	Larger seed, higher protein	Yellow	13.7	40	17.3	39.1
M99-333036	Large seed, higher protein	Yellow	13.3	42	18.0	38.3
SR-53			13.0	44	17.6	38.2
RoyalPro	Larger seed, higher protein	Yellow	13.1	42	17.9	38.1
M98-308007	Large seed, higher protein	Buff	13.7	48	18.5	37.8
M98-308044	Large seed, higher protein	Buff	13.7	44	18.5	37.8
M98-324017	Large seed, higher protein	Yellow	13.1	39	18.2	37.8
SR-67			13.2	43	18.1	37.7
SoyaPro	Larger seed, higher protein	Yellow	13.3	38	17.9	37.6

1. 3-site location = Hope, Potsdam, and Waseca

2. 2-site location, Hope and Potsdam

# 2006 Special Use & Food Grade Soybeans

3 Locations: Hope, Potsdam & Waseca

<u>Variety</u>	<u>RM</u>	<u>%H2O</u>	<u>%Oil</u>	<u>%Protein</u>	<u>Yield</u>
<u>Highest Yield &amp; Oil</u>					
NK Brand S20-F8	2.0	13.4	<u>19.3</u>	35.1	<u>53 bu/A</u>
<u>Highest Yield</u>					
Lariat	1.6	13.2	<u>19.2</u>	35.9	<u>53 bu/A</u>
Stine 2686-6	2.6	13.5	18.3	26.6	<u>53 bu/A</u>
<u>Highest Protein</u>					
M99-0334028	1.5	13.2	16.5	<u>40.4</u>	44 bu/A

