

2003 Winners^α

High Yielding -- High Protein Varieties

University of Minnesota Variety Trials -- Southern test

Roundup Ready	Variety	Maturity (date)	Yield	Protein		Oil	Protein + Oil (%)
				Percent of Mean (%)			
	Thompson	T-7205RR	9-25	116	99	103	53.9
	Mustang	M-201RR	9-25	115	99	104	54.0
	Kruger	195+RR/SCN	9-23	112	105	104	56.1
	Sands	SOI2143RR	9-27	111	98	104	53.7
	Sands	SOI2141ARR	9-27	110	97	102	53.0
	Dairyland	DSR-199/RR	9-25	109	101	99	53.7
	Latham	E2336R	9-27	109	101	99	53.7
	Anderson	1508RR	9-17	108	106	95	54.6
	Stine	S2103-4	9-26	108	99	102	53.7
	Thompson	T-7192RR	9-26	107	104	97	54.4
	Yield King	222ARR	9-26	107	102	98	53.9
	KSC/Challenger	233+RR	9-25	107	101	99	53.7
	Asgrow	AG2107	9-23	106	103	104	55.4
	LG Seeds	C1911RR	9-24	106	105	98	54.9
	Gold Country	1319RR	9-23	106	102	101	54.5
Trial Mean				41.0 bu/a	33.9%	19.7%	53.6%

Conventional	Variety	Maturity (date)	Yield	Protein		Oil	Protein + Oil (%)
				Percent of Mean (%)			
	Viking	1888	9-22	115	105	97	55.0
	Thompson	T-3222	9-25	111	105	96	54.8
	Farm Advantage	1846	9-19	107	104	98	54.9
	Thompson	T-3189	9-21	105	103	97	54.3
Trial Mean				39.2 bu/a	34.2%	19.7%	53.8%

Test locations = Jackson, Lamberton, and Waseca, Minnesota

^α Winners = varieties yielding in the top 20% of their test while maintaining above average Protein + Oil

§ Losers = varieties producing seed with the lowest P + O values of all varieties in the test

Please note: Protein and oil levels are greatly affected by both environment and variety. Values shown here represent P and O levels for three locations in 2003, only. However, past performance is an excellent indicator of relative performance of individual varieties for seed quality.

2003 Losers[§]

Low Protein Varieties

University of Minnesota Variety Trials -- Southern test

Roundup Ready	Variety	Maturity (date)	Yield	Protein	Oil	Protein + Oil
			----- Percent of Mean (%) -----			
	Advantage	ADV1660R	92	92	93	51.2
	Dyna-Gro	DG3200RR	84	84	97	51.8
	Excel Brand	8237RR	105	105	95	51.9
	Garst/AgriPro	XR18P04	84	84	95	51.9
	Stine	S2116-4	114	114	93	52.2
	Dekalb	DKB22-51	100	100	95	52.3
	Dyna-Gro	DG3242RR	106	106	98	52.3
	Renk	RS212RR	92	92	94	52.4
	Dairyland	DSR-184/RR	100	100	96	52.4
	Asgrow	AG2106	100	100	96	52.4
	Profiseed	PS4223RR	97	97	96	52.4
	Dyna-Gro	DG3218RR	93	93	96	52.4
Trial Mean			41.0 bu/a	33.9%	19.7%	53.6%

Conventional	Variety	Maturity (date)	Yield	Protein	Oil	Protein + Oil
			----- Percent of Mean (%) -----			
	Iowa AES	IA2008R	91	93	98	51.1
	Prairie Brand	PB-183	122	92	104	52.0
	Iowa AES	IA2021	102	93	104	52.3
	Iowa AES	IA2052	107	97	98	52.5
	Iowa AES	IA1008	96	97	98	52.5
Trial Mean			39.2 bu/a	34.2%	19.7%	53.8%

Test locations = Jackson, Lamberton, and Waseca, Minnesota

α Winners = varieties yielding in the top 20% of their test while maintaining above average Protein + Oil

§ Losers = varieties producing seed with the lowest P + O values of all varieties in the test

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High Yielding -- High Protein Varieties

University of Minnesota Variety Trials -- Central test

Roundup Ready	Variety	Maturity (date)	Yield	Protein	Oil	Protein + Oil (%)	
			----- Percent of Mean (%) -----				
	Stine	S0943-4	9-21	111	103	98	55.2
	LG Seeds	C1410RR	9-19	110	102	98	54.8
	PBR	PB-0532RR	9-14	108	101	100	54.9
	Pioneer	91B52	9-22	107	102	102	55.6
	Yield King	132RR	9-23	106	103	101	55.8
	Dekalb	DKB15-51	9-23	106	100	103	55.1
	Stine	S1586-4	9-23	106	101	99	54.7
	Thompson	T-7153RR	9-24	105	101	102	55.2
Trial mean				45.1 bu/a	35.7%	18.8%	54.5%
Conventional	Variety	Maturity (date)	Yield	Protein	Oil	Protein + Oil (%)	
			----- Percent of Mean (%) -----				
	Kruger	1919	9-21	116	103	95	55.0
	Garst/AgriPro	1549	9-23	112	103	100	55.9
	Pioneer	91B53	9-21	108	102	97	55.0
Trial mean				49.3 bu/a	36.2%	18.6%	54.8%

2003 Losers[§]

Low Protein Varieties

University of Minnesota Variety Trials -- Central test

Roundup Ready	Variety	Maturity (date)	Yield	Protein	Oil	Protein + Oil (%)	
			----- Percent of Mean (%) -----				
	Yield King	194RR	9-26	97	96	98	52.7
	Renk	RS159RR	9-21	96	95	100	52.7
	Anderson	131CNR	9-23	98	94	103	52.9
	Yield King	141RR/SCN	9-22	110	96	101	53.3
	Ziller	BT7150R	9-22	100	98	98	53.4
Trial mean				45.1 bu/a	35.7%	18.8%	54.5%
Conventional	Variety	Maturity (date)	Yield	Protein	Oil	Protein + Oil (%)	
			----- Percent of Mean (%) -----				
	Minn. AES	MN1302	9-19	102	97	99	53.5
	Minn. AES	MN1005	9-15	99	96	102	53.7
Trial mean				49.3 bu/a	36.2%	18.6%	54.8%

Test locations = Becker, Rosemount, and Morris, Minnesota

^α Winners = varieties yielding in the top 20% of their test while maintaining above average Protein + Oil

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Please note: Protein and oil levels are greatly affected by both environment and variety. Values shown here represent P and O levels for three locations in 2003, only. However, past performance is an excellent indicator of relative performance of individual varieties for seed quality.

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High Yielding -- High Protein Varieties

University of Minnesota Variety Trials -- Northern test

Roundup Ready	Variety	Maturity (date)	Yield -----	Protein	Oil -----	Protein + Oil (%)	
				Percent of Mean (%)			
	PBR	PB-0623RR	9-24	111	102	99	53.9
	Prairie Brand	PB-0094RR	9-11	110	100	101	53.6
	Sansqaard	PB-0093RR	9-11	110	99	102	53.5
	Pioneer	90B51	9-16	109	102	103	54.7
	Dairyland	DSR-050/RR	9-22	109	104	98	54.4
	Asgrow	AG0301	9-14	109	102	99	53.9
	Mustang	M-023RR	9-15	109	100	101	53.6
	Hyland Seed	Ramsey	9-11	108	102	99	53.9
Trial Mean			34.2 bu/a	33.8%	19.6%	53.4%	

Conventional	Variety	Maturity (date)	Yield -----	Protein	Oil -----	Protein + Oil (%)	
				Percent of Mean (%)			
	N.D. AES*	Barnes*	9-14	102*	100	104	54.0
	Minn. AES*	MN0302*	9-17	101*	101	101	53.7
Trial Mean			31.6 bu/a	34.0%	19.2%	53.3%	

2003 Losers[§]

Low Protein Varieties

University of Minnesota Variety Trials -- Northern test

Roundup Ready	Variety	Maturity (date)	Yield -----	Protein	Oil -----	Protein + Oil (%)	
				Percent of Mean (%)			
	KSC/Challenger	101RR	9-31	95	97	93	51.0
	Proseed	RR0029	9-18	96	93	105	52.0
	Seeds 2000	2021RR	9-14	108	93	105	52.0
	Quality Seed Gen	T-0711RR	9-20	106	96	100	52.0
	KSC/Challenger	090RR	9-29	105	98	97	52.1
	Yield King	091RR	9-26	108	101	92	52.2
	Yield King	055RR	9-21	101	96	101	52.2
Trial Mean			34.2 bu/a	33.8%	19.6%	53.4%	

Conventional	Variety	Maturity (date)	Yield -----	Protein	Oil -----	Protein + Oil (%)	
				Percent of Mean (%)			
	Peterson Farms S	Lena	9-10	107	94	103	51.7
	Earthwise	Bravado	9-12	103	94	104	51.9
	N.D. AES	Jim	9-7	97	98	97	51.9
Trial Mean			31.6 bu/a	34.0%	19.2%	53.3%	

Test locations = Crookston, Moorhead, and Shelly, Minnesota

^α Winners = varieties yielding in the top 20% of their test while maintaining above average Protein + Oil

[§] Losers = varieties producing seed with the lowest P + O values of all varieties in the test

* winners of the Northern Conventional trial were among the top **50%** of varieties by yield and P+O

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