

**North Central Research Extension Center—Minot
Soybean Variety Trial—Conventional**

Company	Variety	Maturity Group	Plant Height	Days		Seed Weight	Test Weight	Protein %	Oil %	Seed Yield			
				to Maturity	to DAP					g/1000	lb/bu	2003	2004
NDSU	Pembina	00.5	41	103	145.0	56.4	36.9	18.4	--	--	27.7	--	--
NDSU	Jim	00.7	43	110	152.0	56.2	36.9	17.7	19.6	42.2	33.7	38.0	31.8
NDSU	Traill	0.0	45	114	150.3	58.4	38.4	17.5	--	43.7	37.4	40.6	--
NDSU	Walsh	0.2	45	115	148.5	57.3	38.0	17.3	--	--	38.8	--	--
NDSU	Barnes	0.3	45	114	146.5	56.6	37.2	18.2	--	--	37.1	--	--
NDSU	LaMoure	0.7	47	119	141.8	57.5	37.4	17.4	--	36.1	40.5	38.3	--
NDSU	Surge	0.8	47	120	164.3	57.8	38.9	17.6	--	--	41.8	--	--
LSD 5%	--	--	1	2	4.9	0.6	0.9	0.2	6.1	NS	3.9	--	--
C.V.%	--	--	1.5	1.4	1.3	0.6	1.7	0.8	19.5	15.0	7.1	--	--
Mean	--	--	45	114	149.8	57.2	37.7	17.7	21.6	43.1	36.7	--	--

DAP=Days after planting

**North Central Research Extension Center—Minot
Soybean Variety Trial—Conventional—Benson County**

Company	Variety	Maturity Group	Plant Height	Days		Seed Weight	Test Weight	Oil %	Seed Yield				
				to Maturity	to DAP				g/1000	lb/bu	2003	2004	2005
NDSU	Pembina	00.5	24	110	35.0	18.50	156.5	57.1	--	--	35.2	--	--
NDSU	Jim	00.7	25	112	35.4	17.50	157.7	56.2	--	36.5	42.0	39.3	--
NDSU	Traill	0.0	26	114	36.8	17.30	163.5	58.0	--	35.4	47.3	41.4	--
NDSU	Walsh	0.2	27	116	34.9	17.50	156.1	57.2	--	--	44.2	--	--
NDSU	Barnes	0.3	31	118	33.6	18.60	150.9	56.8	--	--	43.3	--	--
NDSU	LaMoure	0.7	33	127	34.9	17.70	154.9	56.6	--	--	47.7	--	--
NDSU	Surge	0.8	33	131	35.7	17.90	155.9	57.4	--	--	48.8	--	--
LSD 5%	--	--	2	3	1.0	0.90	NS	0.4	--	NS	4.2	--	--
C.V.%	--	--	5.6	1.7	1.9	1.93	2.5	0.5	--	13.8	6.4	--	--
Mean	--	--	29	118	35.2	31.55	156.5	57.1	--	37.5	44.1	--	--

DAP=Days after planting

Soybean Variety Trial—Conventional—Wells County

Company	Variety	Maturity Group	Plant Height	Days		Pod Shatter	Protein %	Oil %	Seed Weight	Test Weight	Seed Yield			
				to Maturity	to DAP						0-9	g/1000	lb/bu	2003
NDSU	Pembina	00.5	21	112	5.0	36.4	18.0	139.3	56.7	--	--	28.4	--	--
NDSU	Jim	00.7	24	113	2.3	35.9	17.6	158.3	55.8	--	57.1	31.9	44.5	--
NDSU	Traill	0.0	23	116	0.0	36.9	17.4	230.0	58.2	--	45.6	37.7	41.7	--
NDSU	Walsh	0.2	24	115	0.0	35.8	17.4	143.3	57.1	--	--	35.0	--	--
NDSU	Barnes	0.3	24	114	0.0	34.6	18.5	140.5	56.8	--	--	38.9	--	--
NDSU	LaMoure	0.7	26	118	0.0	35.5	17.6	143.3	56.9	--	--	35.2	--	--
NDSU	Surge	0.8	24	117	0.0	37.3	17.8	160.0	57.6	--	--	43.6	--	--
LSD 5%	--	--	2	NS	0.3	1.1	0.4	NS	0.7	--	4.7	5.61	--	--
C.V.%	--	--	5.3	2.53	18.3	2.0	1.5	28.2	0.8	--	6.2	10.5	--	--
Mean	--	--	24	115	1.0	36.1	17.7	159.2	57.0	--	48.6	35.8	--	--

Maturity group provided by company

Days to physiological maturity at R7 stage (one brown or tan pod on stem)

DAP=Days after planting

Shatter score based on scale 0-9 (0=no shatter, 9=completely shattered out)

NDSU/RG=Roughrider Genetics