

		Yield			Agronomics					
		Combined		Lodging	Test Weight		Protein		Height	
Variety	Company	bu/ac	Rank	1-5	lb	Rank	%	Rank	Inch	Rank
Samson	WestBred	63.8	1	1	59.2	13	14.8	13	32	7
Reeder	AgriPro	62.9	2	1	59.5	10	15.9	5	30	2
Freyr	NDSU	61.1	3	2	59.2	11	14.8	13	34	16
Kelby	AgriPro	60.3	4	2	59.0	15	16.0	4	29	1
Howard	NDSU	59.7	5	2	59.2	12	15.3	10	33	13
Kuntz	AgriPro	59.6	6	1	59.2	14	14.3	16	31	3
Bigg Red	WestBred	59.5	7	2	63.9	1	14.3	16	33	13
AP604	AgriPro	56.9	8	2	60.3	8	15.1	11	32	7
Breaker	WestBred	56.8	9	1	63.6	2	14.7	15	31	3
Rush	WestBred	56.2	10	1	61.4	6	16.1	3	32	7
Vantage	WestBred	55.8	11	1	61.7	5	17.7	1	32	7
Alsen	NDSU	55.4	12	2	60.3	9	15.9	5	31	3
Glenn	NDSU	55.2	13	1	60.8	7	15.8	7	35	17
Faller	NDSU	54.3	14	2	58.6	17	14.9	12	32	7
Granite	WestBred	54.1	15	1	63.0	3	17.0	2	32	7
Blade	WestBred	53.8	16	1	62.7	4	15.7	8	31	3
Steele-ND	NDSU	53.7	17	2	58.8	16	15.5	9	33	13
LSD (P=.05)		5.14		0.53	1.85		1.091		1.983	
Standard Deviation		4.45		0.459	0.756		0.515		1.388	
CV		7.72		32.07	1.25		3.32		4.37	
Grand Mean		57.6		1.43	60.6		15.5		31.75	

Site History	Loam soil (Field Pea 2007)
Seeding Type	Zero-Till
Location	Velva, ND - McHenry County
Plot Size	5 ft x 30 ft - 6 replicates
Planting Date	April 28th, 2008
Harvest Date	August 18th, 2008
Fertility	25 lbs P and 100 lbs N
Herbicides	Huskie + Puma
Fungicide	Fungicide was applied to half the trial - Stratego at 4-5 lf and Provaro at heading.

Comments
Growing season had below average moisture, in April, the first part of May and July. Yields have been adjusted to 13.5% moisture. Lodging score is a 1 - 5 scale with 1 being erect and 5 flat on the ground. Fungicide was applied to half the replicates. No yield differences were found between the replicates treated with fungicide compared to the replicates not receiving fungicide.

Variety	Yield		
	2005 bu/ac	2006 bu/ac	2007 bu/ac
Alsen	48.2	26.7	34.2
Bigg Red		25.3	31.8
Dapp's	43.9	24.9	32.6
Faller			45.5
Freyr	52.5	23.5	44.9
Glenn		28.1	38.5
Granite	53.2	27.7	36.7
Howard		30.8	40.8
Kelby	51.7	28.5	41.2
Knudson	54.8	24.8	
Kuntz			44.9
Reeder	34.3		35.7
Rush		27.7	36.9
Steele-ND	44.6	29.6	40.2
Trooper		24.8	44.0

Variety	NDSU's ranking for disease response			
	Head Scab	Leaf Disease	Leaf Rust	Straw Strength
Alsen	MR	S	MR/MS	strg
Bigg Red	MR	MS/S	MS	med
Dapp's	MS	M	R	med
Faller	MR	MR	R	strg
Freyr	MR	MS	MR/MS	strg
Glenn	MR	M	R	strg
Granite	MS	S	MR	V strg
Howard	M	M	R	strg
Kelby	MR	M	R	strg
Knudson	M	MR	MR	strg
Kuntz	?	MS	MR	strg
Reeder	S	S	MS	strg
Rush	?	?	?	strg
Steele-ND	M	MS/S	R	med
Trooper	S	S	MR	strg