

		Yield						Agronomics			
		Combined		Fungicide Treated		No Fungicide		Test Weight		Protein	
Variety	Company	bu/ac	Rank	bu/ac	Rank	bu/ac	Rank	lb	Rank	%	Rank
Howard	NDSU	30.8	1	33.9	1	27.7	4	56.6	11	16.5	12
Steele-ND	NDSU	29.6	2	28.7	3	30.6	1	55.9	13	16.7	11
Kelby	AgriPro	28.5	3	26.6	10	30.3	2	58.6	7	17.4	6
Glenn	NDSU	28.1	4	27.6	7	28.6	3	60.1	3	16.9	8
Rush	Westbred	27.7	5	28.2	4	27.2	5	60.9	1	17.4	4
Granite	Westbred	27.7	6	29.6	2	25.9	6	60.7	2	18.8	1
Alsen	NDSU	26.7	7	28.1	5	25.4	7	59.3	4	16.8	9
Bigg Red	Westbred	25.3	8	27.4	8	23.1	11	59.3	5	17.4	3
Dapp's	NDSU	24.9	9	27.0	9	22.7	12	56.3	12	17.8	2
Trooper	Westbred	24.8	10	28.0	6	21.5	13	58.9	6	16.8	10
Knudson	AgriPro	24.8	11	24.3	11	25.2	8	58.3	8	17.4	5
98S0127-06	AgriPro	24.2	12	23.6	12	24.9	9	57.8	9	16.4	13
Freyr	AgriPro	23.5	13	23.5	13	23.6	10	57.5	10	16.9	7
LSD (P=.05)		4.39		6.39		6.23		1.31		0.61	
Standard Deviation		3.81		3.79		3.7		0.6		0.28	
CV		14.28		13.84		14.27		1.03		1.63	
Grand Mean		26.66		27.42		25.9		58.45		17.15	

Site history	Loam soil (Flax 2005)	Comments Yield is corrected to 13% moisture. 2006 site was very dry. Fungicide was applied to half the replicates. Replicates sprayed with fungicide maintained a green flag leaf longer and overall yielded an average of 1.5 bu/a higher. Disease pressure was limited to leaf rust.
Seeding Type	Zero-Till	
Location	Velva, ND - McHenry County	
Plot size	5 ft x 25 ft - 6 replicates	
Planting Date	April 28th, 2006	
Harvest Date	August 7th, 2006	
Fertility	25 lbs P and 100 lbs N	
Herbicides	Puma+Bronate	
Fungicide	Fungicide was applied to half the trial	

2005 Results				
Variety	Yield bu/ac	Moisture %	Test Weight	Protein
Knudson	54.8	17.0	60.9	14.9
Granite	53.2	18.4	62.3	16.6
Freyr	52.5	16.6	60.0	15.2
Kelby	51.7	12.7	60.5	15.4
Hanna	48.2	17.9	61.5	15.7
Alsen	48.2	16.8	60.8	14.8
Norpro	45.4	15.9	58.6	15.1
Steele-ND	44.6	16.6	60.4	15.8
Dapp's	43.9	14.6	59.4	16.4
Reeder	34.3	12.3	56.8	14.4

2004 Results				
Variety	Yield bu/ac	Moisture %	Test Weight	Protein
Freyr	47.6	12.4	59.1	14.5
Granite	44.5	12.6	61.8	15.4
Norpro	42.9	12.4	59.1	13.6
Knudson	41.4	13.2	59.9	13.5
Hanna	39.4	15.0	60.1	13.8
Parshall	36.9	15.2	60.2	14.3
Alsen	36.8	15.3	59.9	14.1
Trooper	36.6	14.5	59.8	13.9

NDSU's ranking for disease response				
Variety	Head Scab	Leaf Disease	Leaf Rust	Straw Strength
Howard	MS	MS/S	R	med
Steele-ND	MS	MS/S	R	med
Kelby	MR	MR	MR	strg
Glenn	MR	MS/S	R	strg
Rush	?	?	?	?
Granite	MS	S	MR	V strg
Alsen	MR	S	MR	strg
Bigg Red	MR	MS/S	MS	med
Dapp's	MS	S	R	med
Trooper	S	S	MS	strg
Knudson	M	MS/S	MR	strg
98S0127-06	?	?	?	?
Freyr	MR	MS/S	MR	strg