



*Agro-Tech, Inc.*  
*Public Research*  
*Trials*

*2008*



**AGRO-TECH**  
RESEARCH FARM



## Public Barley Yield Trial Velva, ND 2008

		Agronomics															
		Yield		Moisture		Test Weight		Protein		Plump		Thin		Stem Breakage		Height	
Variety	Row	bu/ac	Rank	%	Rank	lb	Rank	%	Rank	%	Rank	%	Rank	1-9	Rank	Inch	Rank
Pinnacle	2	110.9	1	12.9	14	50.1	2	11.8	14	94.0	2	2.8	8	2.0	4	32.0	2
Tradition	6	99.6	2	10.3	9	49.1	3	13.4	7	87.6	5	1.0	2	2.3	6	34.3	12
Hockett	2	97.8	3	12.0	12	48.5	4	13.2	11	78.0	9	11.3	13	3.7	9	31.0	1
6B01-2218	6	95.2	4	9.8	5	48.1	7	13.3	9	81.2	8	2.0	6	2.0	4	33.5	9
6B03-4478	6	94.5	5	9.5	2	48.3	5	13.9	3	82.0	7	1.5	4	4.0	10	34.5	13
Stellar-ND	6	92.3	6	9.6	3	47.7	10	13.4	7	83.0	6	1.7	5	1.7	2	33.5	7
Rasmussen	6	91.8	7	9.7	4	48.1	7	13.3	9	77.5	10	2.4	7	4.7	12	33.0	5
AC Metcalfe	2	90.9	8	10.2	8	47.2	13	14.3	1	72.8	12	12.2	14	1.3	1	33.5	8
Rawson	2	90.4	9	12.1	13	48.2	6	12.5	13	90.9	3	3.5	11	3.0	8	32.3	3
Conlon	2	88.9	10	11.0	10	50.4	1	13.2	11	96.4	1	0.5	1	2.3	6	32.5	4
Celebration	6	88.3	11	10.0	6	47.7	10	13.9	3	87.7	4	1.4	3	1.7	2	33.3	6
Robust	6	85.8	12	11.1	11	47.9	9	14.1	2	73.2	11	3.4	10	5.3	13	36.8	14
Legacy	6	82.0	13	8.9	1	46.8	14	13.7	6	62.8	14	5.2	12	4.0	10	34.3	11
Lacey	6	79.9	14	10.0	7	47.7	10	13.8	5	72.4	13	3.3	9	6.0	14	33.8	10
LSD (P=.05)		12.420		1.279		1.980		0.838		11.158		3.458		2.329		2.218	
Standard Deviation		10.760		1.107		1.113		0.471		6.272		1.943		1.387		1.552	
CV		11.690		10.540		2.310		3.520		7.710		52.470		44.140		4.640	
Grand Mean		92.010		10.500		48.230		13.390		81.360		3.700		3.140		33.430	

	Comments
Seeding Type	Zero-Till
Location	Velva, ND - McHenry County
Plot size	5 ft x 25 ft - 6 replicates
Planting Date	April 28th, 2008
Harvest Date	August 12th, 2008
Fertility	25 lbs P and 100 lbs N
Herbicides	Puma + Huskie
Fungicide	Fungicide was applied to half the trial - Stratego at 4-5 leaf and Prosaro at heading.
	Plots were seeded with a Great Plains No-till drill and straight combined. Yields are converted to 14.5% moisture.

Planted: May 2, 2008		Moisture		Height		Maturity*		Oil Content		Yield	
Variety	Company	%	Rank	Inch	Rank	Days	Rank	%	Rank	lb/ac	Rank
DKL72-55 RR	Monsanto	9.5	20	42	27	97	17	41.0	4	1475.6	1
MB 52155 RR	Monsanto	8.5	5	40	10	96	7	40.1	10	1449.3	2
DKL30-42 RR	Monsanto	9.9	26	36	2	95	3	39.7	15	1338.2	3
IX08-7121R	Integra	9.3	16	40	10	95	3	39.3	22	1328.1	4
HyClass 906P RR	Croplan	8.7	7	42	27	96	7	41.5	1	1326.6	5
DKL52-41 RR	Monsanto	10.5	37	41	17	96	7	40.2	8	1323.8	6
InVigor 5440 LL	Bayer	10.2	34	42	27	97	17	38.8	28	1281.5	7
G2X0039 RR	Mycogen	9.9	26	41	17	100	36	38.8	28	1241.2	8
HyClass 712 RR	Croplan	9.9	26	43	36	97	17	40.1	10	1225.7	9
IS7145 RR	Monsanto	8.5	5	43	36	97	17	39.9	14	1223.7	10
HyClass 410 RR	Croplan	8.9	9	42	27	97	17	39.1	25	1223.6	11
IX08-7321R	Integra	10.4	36	43	36	95	3	40.1	10	1206.5	12
50 Caliber RR	Proseed	9.3	16	41	17	96	7	38.7	31	1201.6	13
SWK 5325 RR	Canterra	10.6	39	41	17	97	17	38.7	31	1201.5	14
1818 RR	Canterra	7.5	1	38	5	97	17	39.2	23	1185.9	15
InVigor 5550 LL	Bayer	9.8	23	43	36	96	7	38.4	36	1184.3	16
30 Caliber RR	Proseed	9.8	23	44	40	97	17	38.6	34	1167.1	17
IS3057 RR	Monsanto	8.3	3	37	3	94	2	40.6	6	1142.7	18
HyClass 924 RR	Croplan	10.1	31	42	27	96	7	39.5	16	1128.9	19
HyClass 940 RR	Croplan	10.0	31	39	6	93	1	38.9	27	1125.1	20
DN051493 CL	Mycogen	8.9	9	42	27	100	36	41.1	3	1098.7	21
Nexera 845 CL	Mycogen	9.2	15	40	10	99	31	38.4	36	1079.1	22
InVigor 5630 LL	Bayer	10.5	37	40	10	97	17	38.7	31	1078.1	23
IX08-7323R	Integra	8.8	8	42	27	96	7	39.5	16	1065.9	24
HyClass 906 RR	Croplan	9.9	26	41	17	96	7	39.0	26	1056.0	25
InVigor 8440 LL	Bayer	9.7	21	37	3	96	7	38.0	39	1051.3	26
G2X0023 RR	Mycogen	9.8	23	39	6	99	31	41.4	2	1020.1	27
6235 RR	BrettYoung	9.0	11	44	40	98	27	40.2	8	1018.9	28
DN051607 CL	Mycogen	9.4	18	40	10	99	31	38.8	28	1006.8	29
G2X0022 RR	Mycogen	9.0	11	42	27	100	36	39.5	16	1003.7	30
2066 RR	Proseed	9.0	11	41	17	95	3	39.5	16	1003.5	31
6051 RR	BrettYoung	7.8	2	40	10	97	17	40.1	10	976.3	32
G2X0044 RR	Mycogen	11.7	40	41	17	98	27	38.3	38	953.5	33
G2X0054 RR	Mycogen	9.9	26	41	17	100	36	37.7	42	914.4	34
G2X0043 RR	Mycogen	9.0	11	44	40	98	27	39.5	16	911.1	35
G2X0024 RR	Mycogen	10.0	31	41	17	99	31	38.6	34	865.2	36
4414 RR	BrettYoung	10.2	34	41	17	96	7	39.5	16	831.1	37
DN051874 CL	Mycogen	13.0	42	39	6	101	42	40.8	5	741.3	38
DN051535 CL	Mycogen	9.7	21	40	10	99	31	39.2	23	682.5	39
DN051505 CL	Mycogen	9.4	18	35	1	100	36	40.3	7	657.5	40
Nexera 830 CL	Mycogen	11.7	40	42	27	100	36	37.8	41	642.2	41
DN051692 CL	Mycogen	8.3	3	39	6	98	27	37.9	40	633.1	42
LSD (P=.05)		2.008		4.48		1.603		1.361		184.48	
Standard Deviation		1.434		3.2		1.145		0.943		131.76	
CV		14.94		7.88		1.18		2.39		12.22	
Grand Mean		9.6		40.63		97.17		39.38		1077.9	

**This site received a hard frost on May 27, as a result many plots were discarded from analysis.**



## ADM Public Canola Yield Trial Mohall, ND 2008



Planted: April 29, 2008		Herb.	Moisture		Height		Maturity*		Yield		Oil Content	
Variety	Company	System	%	Rank	Inch	Rank	Days	Rank	lb/ac	Rank	%	Rank
InVigor 5440 LL	Bayer	LL	10.2	24	40.3	31	105	7	2052.3	1	41.1	26
InVigor 5630 LL	Bayer	LL	10.1	16	39.0	26	105	7	2018.8	2	41.6	21
InVigor 5550 LL	Bayer	LL	10.3	28	35.7	4	104	2	1936.7	3	41.6	21
InVigor 8440 LL	Bayer	LL	9.9	9	35.0	2	105	7	1856.0	4	41.8	15
HyClass 906P RR	Croplan	RR	9.2	2	36.8	10	106	19	1740.7	5	42.0	10
2066 RR	Proseed	RR	9.7	4	38.5	25	105	7	1740.5	6	40.9	31
G2X0022 RR	Mycogen	RR	10.6	31	35.5	3	108	30	1716.7	7	42.9	4
DKL30-42 RR	Monsanto	RR	10.1	16	35.8	5	103	1	1691.4	8	41.8	15
IS7145 RR	Monsanto	RR	9.7	4	37.0	12	105	7	1683.9	9	42.6	5
30 Caliber RR	Proseed	RR	10.1	16	40.5	32	106	19	1657.3	10	42.0	10
MB 52155 RR	Monsanto	RR	10.1	16	34.0	1	105	7	1649.4	11	41.8	15
G2X0039 RR	Mycogen	RR	10.2	24	36.0	7	107	27	1628.6	12	41.1	26
DKL52-41 RR	Monsanto	RR	10.1	16	37.0	12	104	2	1625.5	13	41.1	26
50 Caliber RR	Proseed	RR	10.1	16	37.5	20	104	2	1610.8	14	41.1	26
HyClass 940 RR	Croplan	RR	9.8	6	37.5	20	104	2	1589.1	15	41.0	30
DKL72-55 RR	Monsanto	RR	10.2	24	37.3	15	106	19	1585.3	16	42.6	5
IS3057 RR	Monsanto	RR	9.9	9	36.8	10	105	7	1581.4	17	43.1	3
HyClass 906 RR	Croplan	RR	9.0	1	36.0	7	106	19	1579.3	18	42.4	8
IX08-7323R	Integra	RR	9.6	3	39.0	26	105	7	1578.8	19	41.8	15
HyClass 712 RR	Croplan	RR	9.8	6	39.5	30	106	19	1576.5	20	41.7	19
HyClass 410 RR	Croplan	RR	10.2	24	37.3	15	105	7	1570.1	21	42.0	10
IX08-7121R	Integra	RR	10.0	12	37.3	15	105	7	1562.9	22	41.7	19
IX08-7321R	Integra	RR	10.1	16	39.3	28	104	2	1558.1	23	42.3	9
G2X0044 RR	Mycogen	RR	10.0	12	37.3	15	107	27	1503.5	24	41.4	23
G2X0023 RR	Mycogen	RR	10.3	28	35.8	5	108	30	1500.5	25	43.5	2
HyClass 924 RR	Croplan	RR	10.0	12	36.0	7	105	7	1489.4	26	40.8	32
G2X0024 RR	Mycogen	RR	10.4	30	37.0	12	106	19	1487.6	27	43.7	1
G2X0043 RR	Mycogen	RR	9.8	6	38.0	22	106	19	1463.3	28	42.6	5
6051 RR	BrettYoung	RR	10.1	16	37.3	15	106	19	1413.7	29	41.3	24
G2X0054 RR	Mycogen	RR	10.6	31	38.0	22	108	30	1400.0	30	41.3	24
6235 RR	BrettYoung	RR	9.9	9	39.5	29	107	27	1346.8	31	42.0	10
4414 RR	BrettYoung	RR	10.0	12	38.0	22	105	7	1233.2	32	42.0	10
LSD (P=.05)			0.633		3.854		1.485		268.95		0.805	
Standard Deviation			0.447		2.725		1.05		190.18		0.483	
CV			4.47		7.3		1		11.79		1.15	
Grand Mean			10		37.34		105.43		1613.38		41.86	



\*Maturity in days from planting

Varieties were sprayed with their appropriate herbicide system for weed control.



## Public Corn Yield Trial Velva, ND 2008

Planted: April 28, 2008					Yield									
Harvested: October 28, 2008					Moisture		Test Weight		Combined		Conventional		No-till	
Hybrid	Company	Traits	RM	Comment	%	Rank	lbs	Rank	bu/ac	Rank	bu/ac	Rank	bu/ac	Rank
51P15	Dyna-Gro	RR BT	85	FIXED	24.2	22	55.1	18	126.1	1	125.3	2	126.9	1
9332RB	Integra	RR BT	83	SEMI-FLEX	26.3	24	52.0	24	122.7	2	119.1	4	126.3	2
781RRBT	Proseed	RR BT	81	SEMI-FLEX	29.0	25	51.8	25	116.9	3	127.4	1	106.4	8
DKC 36-37	Monsanto	RR2	86	FIXED	20.5	7	55.4	17	116.0	4	117.1	5	114.9	5
W 7085VT3	Wensman	VT3	84	FLEX	21.4	12	56.0	10	112.9	5	107.7	10	118.2	3
6780VT3	Integra	RR BT RC	80	SEMI-FLEX	24.6	23	56.1	9	112.3	6	111.8	9	112.8	6
DKC 35-19	Monsanto	RR BT	85	FIXED	20.7	8	55.9	13	110.3	7	105.5	11	115.1	4
2P174	Mycogen	RR BT	85	SEMI-FLEX	23.0	19	55.8	14	109.7	8	119.4	3	100.0	13
W 7083VT3	Wensman	VT3	80	SEMI-FLEX	21.9	14	54.3	21	109.0	9	115.3	6	102.8	10
51P97	Dyna-Gro	RR BT	83	FLEX	22.3	16	56.9	4	107.4	10	115.1	7	99.7	14
884VT3	Proseed	VT3	84	SEMI-FLEX	22.7	18	56.6	5	106.3	11	111.9	8	100.8	12
787VT3	Proseed	VT3	87	SEMI-FLEX	22.0	15	53.6	22	105.4	12	102.7	13	108.1	7
2K154	Mycogen	RR BT LL	83	SEMI-FLEX	23.2	20	55.5	16	102.0	13	100.1	16	103.9	9
EXP 6056BTRR	Wensman	RR BT	72	FIXED	19.8	6	59.0	1	100.6	14	103.8	12	97.4	16
2J086	Mycogen	RR	80	SEMI-FLEX	19.6	5	55.0	19	100.5	15	100.0	17	101.1	11
51P62	Dyna-Gro	RR BT	82	FIXED	20.8	10	56.2	8	98.6	16	102.6	14	94.5	18
DKC 33-54	Monsanto	RR	83	FIXED	17.4	2	56.0	11	96.5	17	97.3	18	95.7	17
DKC 29-98	Monsanto	RR BT	79	FIXED	19.6	4	56.9	2	96.0	18	93.8	21	98.1	15
6385R	Integra	RR	85	SEMI-FLEX	22.3	17	54.7	20	93.4	19	94.7	20	92.1	20
DKC 33-11	Monsanto	RR BT	83	FIXED	21.5	13	56.9	3	93.1	20	101.0	15	85.3	23
678RRBT	Proseed	RR BT	78	SEMI-FLEX	23.6	21	55.8	15	92.4	21	96.9	19	88.0	22
W 6076BTRR	Wensman	RR BT	79	SEMI-FLEX	20.9	11	56.4	6	90.8	22	90.6	22	91.0	21
6780R	Integra	RR	80	SEMI-FLEX	20.7	9	56.3	7	87.9	23	83.7	25	92.2	19
2T092	Mycogen	RR BT LL	80	SEMI-FLEX	16.1	1	53.5	23	86.4	24	89.1	23	83.8	24
879RR	Proseed	RR	78	SEMI-FLEX	17.5	3	55.9	12	77.1	25	85.7	24	68.5	25
LSD (P=.05)					2.96		0.93		11.08		13.83		16.31	
Standard Deviation					2.59		0.81		9.70		8.38		9.89	
CV					11.94		1.47		9.43		8.00		9.79	
Grand Mean					21.66		55.50		102.83		104.70		100.95	

### Comments:

Six reps were planted, three reps no-till and three reps conventional till.  
 Vigor ratings were not taken due to frost on May 27th which killed the first and second leaves.  
 No lodging was observed in the trial. Killing frost did not occur until October 16th.  
 Yields adjusted to 15.5% moisture. Relative maturities (RM) are based upon company information.



## Public Durum Yield Trial Velva, ND 2008

Variety	Company	Agronomics									
		Yield		Moisture		Test Weight		Protein		Height	
		bu/ac	Rank	%	Rank	lb	Rank	%	Rank	Inch	Rank
Grand D' Oro	WestBred	64.9	1	17.1	11	62.1	1	14.8	4	34	3
Divide	NDSU	64.8	2	16.6	8	61.2	6	14.7	5	37	10
Lebsock	NDSU	64.4	3	16.6	8	61.1	7	13.8	11	35	8
Dilse	NDSU	64.4	3	17.0	10	61.8	2	14.6	6	34	3
Alzada	WestBred	63.2	5	16.2	3	60.8	8	14.6	6	31	1
Grenora	NDSU	61.9	6	16.2	3	61.6	3	14.2	10	33	2
CA801-715	WestBred	58.7	7	16.2	3	60.8	8	15.0	2	34	3
Alkabo	NDSU	58.6	8	16.3	7	61.3	5	14.6	6	34	3
Strongfield	WestBred	58.5	9	15.8	1	59.3	11	16.3	1	34	3
Pierce	NDSU	58.3	10	16.2	3	61.6	3	14.5	9	37	9
Wales	WestBred	57.4	11	16.1	2	60.8	8	15.0	2	35	8
LSD (P=.05)		6.32		0.661		1.28		0.968		2.132	
Standard Deviation		5.42		0.566		0.402		0.428		1.477	
CV		8.82		3.46		0.66		2.91		4.32	
Grand Mean		61.37		16.37		61.12		14.71		34.16	

	Comments
Seeding Type Location Plot size Planting Date Harvest Date Fertility Herbicides Fungicide	<p style="text-align: center;">Zero-Till Velva, ND - McHenry County 5 ft x 25 ft - 6 replicates April 28th, 2008 August 18th, 2008 25 lbs P and 100 lbs N Puma + Huskie Fungicide was applied to half the trial - Stratego at 4-5 leaf and Prosaro at heading.</p> <p>Growing season had below average moisture, in April, the first part of May and July. Yields have been adjusted to 13.5% moisture. 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.</p>

Variety	Company	Yield		Agronomics								
				Grade	Moisture		Test Weight		Protein		Height	
		bu/ac	Rank	#	%	Rank	lb	Rank	%	Rank	Inch	Rank
Grand D' Oro	WestBred	46.2	1	1	20.6	13	60.1	2	14.0	6	31	3
Alzada	WestBred	45.5	2	1	19.8	8	59.7	6	13.9	7	32	9
Strongfield	WestBred	42.6	3	2	18.5	1	58.2	12	14.7	2	31	3
Wales	WestBred	41.8	4	2	19.0	3	58.6	11	13.9	7	31	3
Divide	NDSU	41.8	4	2	19.4	6	59.9	4	13.4	12	33	12
Maier	NDSU	41.7	6	2	19.8	8	59.6	7	15.0	1	31	3
CA801-715	WestBred	40.7	7	1	19.2	5	59.8	5	14.3	4	30	1
Alkabo	NDSU	40.1	8	1	20.0	11	60.4	1	13.9	7	32	9
Grenora	NDSU	40.0	9	1	18.5	2	58.2	12	13.3	13	32	9
Primo D' Oro	NDSU	39.3	10	1	19.8	8	59.3	8	13.9	7	36	13
Lebsock	NDSU	39.1	11	2	20.2	12	60.0	3	13.9	7	31	3
Pierce	NDSU	38.5	12	1	19.6	7	58.8	10	14.1	5	30	1
Dilse	NDSU	35.6	13	2	19.1	4	59.2	9	14.4	3	31	3
LSD (P=.05)		6.39		1.69	1.055		1.287		0.781		4.2	
Standard Deviation		5.54		0.531	0.913		1.103		0.669		2.939	
CV		13.51		38.36	4.69		1.86		4.77		9.28	
Grand Mean		40.99		1.38	19.49		59.37		14.05		31.65	

	Comments
Seeding Type	<p>Growing season had below average moisture, in April, the first part of May and July. Yields have been adjusted to 13.5% moisture. 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.</p>
Location	
Plot size	
Planting Date	
Harvest Date	
Fertility	
Herbicides	
Fungicide	
Zero-Till Mohall, ND - Renville County 5 ft x 25 ft - 6 replicates April 29th, 2008 August 25th, 2008 25 lbs P and 100 lbs N Puma + Widematch + MCPA Fungicide was applied to half the trial - Stratego at 4-5 leaf and Prosaro at heading.	



## Public Soybean Yield Trial Velva, ND 2008

Planted May 16 & Harvested Oct 3		Herb	Mat.	Protein		Oil		Height		Moisture		Yield	
Variety	Company	System	Group	%	Rank	%	Rank	Inch	Rank	%	Rank	bu/ac	Rank
79020R	Integra	RR	0.3	30.7	6	17.8	21	21.3	3	12.8	20	31.6	1
70-10	Proseed	RR	0.1	28.5	17	18.5	19	19.0	14	12.1	3	29.9	2
AG0202	Monsanto	RR	0.2	31.1	3	18.1	20	22.5	1	12.3	12	29.7	3
0098-84	Stine	RR	0.0	29.3	11	20.0	10	18.7	17	12.2	9	29.5	4
W 2025RR	Wensman	RR	0.2	28.6	16	19.9	13	21.7	2	12.9	21	29.3	5
80-00	Proseed	RR	0.0	31.0	5	19.9	13	18.3	19	12.4	17	28.1	6
AG 00501	Monsanto	RR	00.5	27.6	20	20.5	5	19.2	11	12.0	1	27.7	7
80-20	Proseed	RR	0.2	29.4	10	20.5	5	20.3	6	12.5	19	27.6	8
SX08009	Dyna-Gro	RR	00.9	28.0	19	20.4	7	20.8	4	12.0	1	26.4	9
32J01	Dyna-Gro	RR	0.1	29.1	12	19.6	15	19.7	8	12.2	9	26.3	10
97009R	Integra	RR	00.9	26.9	21	21.4	1	19.0	14	12.3	12	25.5	11
SX08007	Dyna-Gro	RR	00.7	29.7	8	20.1	9	19.2	11	12.2	9	25.2	12
97014R	Integra	RR	00.9	32.5	1	19.6	15	19.7	8	12.1	3	25.0	13
AG 0103	Monsanto	RR	0.1	28.3	18	20.9	3	19.7	8	12.1	3	24.6	14
50-07	Proseed	RR	00.7	28.7	15	20.6	4	19.8	7	12.3	12	24.6	14
97007R	Integra	RR	00.9	29.0	13	20.3	8	19.2	11	12.4	17	24.2	16
AG00901	Monsanto	RR	00.9	30.3	7	19.3	18	19.0	14	12.3	12	23.8	17
W 20074RR	Wensman	RR	00.7	31.7	2	19.6	15	18.2	20	12.1	3	22.8	18
W 20096RR	Wensman	RR	00.9	29.5	9	20.0	10	20.7	5	12.1	3	22.6	19
0066-4	Stine	RR	00.7	31.1	3	20.0	10	18.7	17	12.1	3	22.3	20
80-04	Proseed	RR	00.4	28.9	14	21.3	2	15.0	21	12.3	12	19.1	21
LSD (P=.05)				4.900		2.640		2.222		0.257		2.380	
Standard Deviation				2.349		1.266		1.944		0.225		2.080	
CV				7.960		6.360		9.970		1.830		8.010	
Grand Mean				29.5		19.9		19.5		12.3		26.0	



		Yield						Agronomics					
		Combined		Fungicide Treated		No Fungicide		Test Weight		Protein		Height	
Variety	Company	bu/ac	Rank	bu/ac	Rank	bu/ac	Rank	lb	Rank	%	Rank	Inch	Rank
Samson	WestBred	47.8	1	54.4	1	41.2	3	60.1	13	13.8	13	28	3
Freyr	AgriPro	45.0	2	46.8	2	43.2	1	60.7	11	13.4	16	30	14
Fallier	NDSU	42.3	3	43.8	5	40.7	4	58.8	18	13.6	14	29	10
Glenn	NDSU	42.1	4	42.0	12	42.2	2	62.6	4	14.1	9	32	17
Breaker	WestBred	41.6	5	42.6	9	40.5	5	62.7	3	14.7	5	28	3
Granite	WestBred	41.5	6	43.5	6	39.5	10	61.5	7	14.8	3	29	10
Steele-ND	NDSU	41.4	7	42.9	8	39.9	7	62.0	5	14.1	9	27	1
Vantage	WestBred	41.4	7	45.1	3	37.7	12	61.7	6	14.6	6	28	3
Reeder	NDSU	41.1	9	44.9	4	37.4	13	60.0	15	14.0	11	29	10
Bigg Red	WestBred	41.1	9	42.0	13	40.1	6	62.9	1	12.9	17	31	16
Howard	NDSU	40.8	11	42.1	11	39.6	8	61.1	9	13.9	12	30	14
Kuntz	AgriPro	40.1	12	40.6	15	39.6	8	59.9	16	12.7	18	28	3
Alsen	NDSU	39.2	13	42.2	10	36.3	16	60.9	10	14.3	8	28	3
Blade	WestBred	38.7	14	40.8	14	36.5	15	62.9	1	14.5	7	28	3
AP604	AgriPro	38.4	15	43.3	7	33.5	17	60.1	13	13.5	15	29	10
Kelby	AgriPro	37.5	16	38.3	16	36.7	14	60.3	12	15.3	1	28	3
Rush	WestBred	37.5	16	36.8	18	38.3	11	61.5	7	14.8	3	27	1
Dapps	NDSU	35.1	18	36.9	17	33.3	18	59.5	17	15.0	2	32	17
LSD (P=.05)		4.72		6.56		6.79		1.35		0.666		3.381	
Standard Deviation		4.08		3.93		4.07		0.955		0.471		2.391	
CV		10.03		9.2		10.52		1.56		3.34		8.28	
Grand Mean		40.71		42.72		38.69		61.06		14.1		28.86	

	Zero-Till	Comments
Seeding Type	Mohall, ND - Renville County	Growing season had below average moisture, especially in April, first part of May and July. Yields have been adjusted to 13.5% moisture. Fungicide was applied to half the replicates. Replicates sprayed with fungicide overall yielded an average of 4.03 bu/a higher than the replicates receiving no fungicide.
Location	5 ft x 25 ft - 6 replicates	
Plot size	April 29, 2008	
Planting Date	August 25th, 2008	
Harvest Date	25 lbs P and 100 lbs N	
Fertility	Puma + Widematch + MCPA	
Herbicides	Fungicide was applied to half the replicates -	
Fungicide	Stratego at 4-5 leaf and Prosaro at heading.	

		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

NDSU's ranking for disease response				
Variety	Head	Leaf	Leaf	Straw
	Scab	Disease	Rust	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