

2018 Winter Wheat - Recrop

Dickinson, ND

Variety	Winter Survival	Heading Date from 1/1	Seeds		Plant Height in	Test Weight lbs/bu	Protein %	----- Grain Yield-----			Average Yield	
			per Pound	2016				2017	2018	2	3	
										Year	Year	
							-----bu/ac-----			bu/ac	bu/ac	
AAC Goldrush	100	162	13,871	28	61.4	13.9	--	--	89.9	--	--	
AAC Wildfire	100	163	12,251	30	61.3	13.4	--	--	92.8	--	--	
AC Broadview	100	161	13,960	26	61.3	12.7	37.2	54.3	89.7	72.0	60.4	
AC Emerson	100	161	15,384	27	61.4	14.6	31.7	52.5	83.1	67.8	55.8	
AC Gateway	100	160	13,207	25	62.3	13.9	32.0	48.3	85.8	67.0	55.3	
Accipiter	100	162	15,804	27	61.6	13.2	37.8	53.8	91.2	72.5	60.9	
CDC Chase	100	160	13,810	28	62.3	13.7	35.1	56.4	85.5	70.9	59.0	
Decade	100	160	13,288	25	61.4	14.6	34.0	59.1	85.1	72.1	59.4	
Ideal	100	160	12,989	25	62.8	13.2	40.3	52.1	90.6	71.3	61.0	
Jerry	100	160	11,995	29	61.1	13.7	28.9	58.4	84.6	71.5	57.3	
Keldin	100	162	10,962	26	61.5	13.7	--	59.9	99.0	79.5	--	
Loma	100	162	16,334	26	58.3	13.5	31.6	45.2	80.2	62.7	52.3	
Lyman	100	159	12,467	27	61.4	14.5	35.6	54.7	80.7	67.7	57.0	
Moats	100	161	13,650	29	62.4	13.3	31.8	57.6	91.5	74.6	60.3	
Northern	100	162	14,005	27	60.8	13.2	36.5	51.5	85.2	68.4	57.7	
Oahe	100	160	12,627	26	60.5	13.8	--	54.5	74.7	64.6	--	
Overland	100	158	13,445	27	61.0	14.3	31.7	58.2	75.3	66.8	55.1	
Overland-FHB1	100	158	13,705	26	60.6	14.6	--	55.8	71.0	63.4	--	
Peregrine	100	161	13,817	32	61.9	12.6	37.9	58.6	90.6	74.6	62.4	
Redfield	100	159	12,186	25	62.0	14.2	33.9	53.3	86.4	69.9	57.9	
SY Monument	100	158	12,990	22	59.8	14.1	48.7	62.0	76.2	69.1	62.3	
SY Sunrise	100	158	13,751	20	60.8	13.6	38.7	60.2	64.1	62.1	54.3	
SY Wolf	100	159	14,003	25	59.0	14.5	44.7	57.9	80.5	69.2	61.0	
Thompson	100	160	15,261	27	60.6	14.0	--	--	84.4	--	--	
WB Matlock	100	161	13,309	27	61.1	14.7	40.2	60.9	82.9	71.9	61.3	
WB4462	100	156	10,774	24	61.8	13.5	38.6	56.2	68.7	62.4	54.5	
Trial Mean	100	160	13,443	26	61.1	13.8	34.4	55.2	83.3	--	--	
CV %	0	0.6	6.0	5.1	1.6	3.4	16.5	9.0	8.8	--	--	
LSD 0.05	0	1	1,140	2	1.4	0.8	9.3	7.0	10.3	--	--	
LSD 0.10	0	1	953	2	1.2	0.6	7.7	5.9	8.6	--	--	

Planting Date: September 20, 2017

Harvest Date: August 2, 2018

Previous Crop: Cover Crop

Seeding Rate: 1 million live seeds/ac

2018 Oat - Recrop

Dickinson, ND

Variety	Days to Head	Seeds per Pound	Plant Height in	Test Weight lbs/bu	----- Grain Yield-----			----- Average Yield-----	
					2016	2017	2018	2016	2017
					-----bu/ac-----			-----bu/ac-----	
AC Pinnacle	61	14,105	33	35.6	150.3	83.4	116.2	99.8	116.6
Beach	59	17,026	33	37.1	130.9	70.3	83.5	76.9	94.9
CDC Dancer	58	15,339	33	37.0	135.3	74.4	95.3	84.8	101.6
CDC Minstrel	60	14,524	32	34.5	133.9	70.2	106.0	88.1	103.4
Cs Camden	59	14,365	33	33.6	--	72.4	111.4	91.9	--
Deon	59	13,986	33	36.8	126.9	76.1	95.5	85.8	99.5
Hayden	58	13,696	33	39.1	140.7	80.9	117.4	99.2	113.0
HiFi	58	14,833	35	37.9	123.3	69.7	109.4	89.5	100.8
Hystest	58	13,868	37	39.9	108.3	66.0	101.6	83.8	92.0
Jury	58	15,633	37	36.9	111.2	73.2	95.2	84.2	93.2
Killdeer	58	15,866	29	35.9	125.3	81.8	109.3	95.5	105.5
Leggett	60	14,385	32	36.4	133.4	70.9	95.4	83.2	99.9
Newburg	57	15,580	36	34.9	115.9	73.2	82.1	77.6	90.4
Otana	59	16,380	36	35.0	126.1	76.5	97.7	87.1	100.1
Paul*	60	17,060	33	40.9	91.8	43.3	82.2	62.8	72.5
Rockford	59	16,522	32	38.5	133.2	71.2	99.1	85.1	101.2
Souris	58	15,776	31	36.6	111.5	78.2	94.5	86.3	94.7
Stallion	58	17,635	31	33.5	118.4	83.2	103.6	93.4	101.7
Trial Mean	58	14,937	34	36.6	122.8	72.9	100.7	--	--
CV %	1.1	5.1	7.9	2.5	9.0	9.6	13.7	--	--
LSD 0.05	1	1,077	4	1.3	15.5	9.8	19.3	--	--
LSD 0.10	1	901	3	1.1	12.9	8.2	16.1	--	--

Planting Date: May 3, 2018

Harvest Date: August 7, 2018

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Previous Crop: Cover Crop

Seeding Rate: 1 million live seeds/ac

Trial receive hail at @ 5 leaf stage

2018 Barley - Recrop

Dickinson, ND

Variety	Days to Head	Seeds per Pound	Plant Height in	Test Weight lbs/bu	Protein %	Plump % >6/64	----- Grain Yield-----			----- Average Yield-----	
							2016	2017	2018	2016	2017
Six Row											
Celebration	62	11,315	30	52.0	16.3	92.1	74.3	49.2	119.9	84.5	81.1
Innovation	59	10,400	30	52.5	14.3	94.0	77.8	50.0	127.1	88.6	85.0
Lacey	60	10,663	29	52.5	15.0	93.3	75.2	45.6	126.3	85.9	82.3
Quest	61	11,315	31	52.0	13.7	87.5	74.5	47.3	124.0	85.7	82.0
Stellar-ND	60	10,028	30	51.6	13.8	95.1	75.2	46.7	137.9	92.3	86.6
Tradition	61	10,408	30	53.3	14.6	93.8	69.5	45.6	124.9	85.3	80.0
Two Row											
AAC Synergy	62	8,949	30	52.8	13.9	95.5	90.3	47.4	141.3	94.3	93.0
ABI Balster	62	9,826	29	52.0	14.4	91.1	92.4	47.8	134.6	91.2	91.6
ABI Growler	63	9,662	29	50.5	14.6	92.0	86.9	46.3	132.7	89.5	88.6
ND Genesis	57	8,987	31	51.3	12.5	93.6	88.7	49.3	134.4	91.8	90.8
Conlon	56	9,124	30	53.4	14.3	96.0	54.2	45.8	79.9	62.8	59.9
Explorer	60	8,804	25	52.9	14.1	94.9	--	54.1	134.5	94.3	--
LCS Genie	64	9,647	26	51.4	13.7	92.1	97.1	46.2	128.2	87.2	90.5
Pinnacle	60	8,580	31	53.0	13.6	96.4	80.3	45.7	133.9	89.8	86.6
Sirish	63	9,541	25	52.3	14.2	95.7	91.4	45.3	132.6	88.9	89.7
Trial Mean	60	9,769	29	52.1	14.0	94	81.3	48.8	127.8	--	--
CV %	1.6	4.4	4.0	1.4	3.9	1.4	9.2	9.7	7.2	--	--
LSD 0.05	1	613	2	1.0	0.9	2	10.6	6.7	13.0	--	--
LSD 0.10	1	512	1	0.8	0.7	2	8.8	5.6	10.8	--	--

Planting Date: April 27, 2018

Harvest Date: August 9, 2018

Previous Crop: Cover Crop

Seeding Rate: 1.2 million live seeds/ac

Grain protein percentages reported on a 0% moisture basis

2018 Glen Ullin Barley - Recrop

Dickinson, ND

Variety	Seeds per Pound	Test Weight lbs/bu	% Plump >6/64	Protein %	-----Grain Yield-----			Average Yield	
					2016	2017	2018	2	3
					-----bu/ac-----			----bu/ac----	
Six Row									
AAC Synergy	7,679	50.4	98	16.5	--	--	132.4	--	--
Innovation	10,565	51.5	93	15.7	60.7	63.3	111.4	87.4	78.5
Tradition	10,446	51.5	93	15.7	--	65.6	106.3	85.9	--
Two Row									
ND Genesis	8,272	50.3	97	15.0	72.5	65.8	115.8	90.8	84.7
Pinnacle	7,892	51.0	98	16.2	60.8	58.5	117.6	88.1	79.0
Sirish	8,594	50.6	97	15.8	--	67.3	123.6	95.5	--
Trial Mean	8,908	50.9	96	15.8	61.2	64.6	117.9	--	--
CV %	5.6	1.5	0.8	2.6	6.3	11.3	9.2	--	--
LSD 0.05	755	1.2	1	0.7	5.8	NS	16.3	--	--
LSD 0.10	621	1.0	1	0.6	4.7	NS	13.4	--	--

Planting Date: May 14, 2018

Harvest Date: August 16, 2018

Previous Crop: S Wheat

Seeding Rate: 1.2 million live seeds/ac

Grain protein percentages reported on a 0% moisture basis