

2020 Hard Red Spring Wheat - Recrop

Dickinson, ND

Variety	Days to Head	Seeds per Pound	Plant Height in	Test Weight lbs/bu	Protein %	----- Grain Yield-----			Average Yield	
						2018	2019	2020	2 Year	3 Year
						-----bu/ac-----			---bu/ac---	
AAC Concord	61	11,938	26	60.0	15.9	--	--	43.5	--	--
AP Murdock	59	13,230	21	60.5	15.8	--	--	42.0	--	--
Barlow	58	12,501	26	62.2	15.7	60.2	45.2	43.5	44.3	49.6
Bolles	61	11,500	25	60.4	18.5	65.0	38.4	38.6	38.5	47.3
Boost	61	11,484	25	60.7	17.0	57.5	47.7	42.3	45.0	49.2
CP 3530	61	11,219	28	61.0	15.7	63.1	52.0	44.4	48.2	53.2
CP 3903	59	13,046	24	61.8	16.3	--	--	42.2	--	--
CP 3910	57	12,856	23	62.2	16.2	--	51.0	40.7	45.9	--
CP 3915	60	12,285	25	62.0	16.4	--	51.5	44.5	48.0	--
Dagmar	59	10,902	24	61.0	16.3	--	--	44.8	--	--
Driver	60	12,318	27	62.6	15.7	--	--	45.4	--	--
Dyna-Gro Ambush	58	12,273	24	61.3	16.7	61.6	46.5	40.8	43.6	49.6
Dyna-Gro Ballistic	60	11,938	26	61.0	16.1	--	--	48.5	--	--
Dyna-gro Commander	59	11,824	23	61.1	16.7	--	47.2	40.7	44.0	--
Dyna-Gro Velocity	59	13,154	24	61.7	17.0	--	--	40.4	--	--
Elgin-ND	59	12,306	26	61.0	15.7	60.1	47.3	43.8	45.5	50.4
Faller	60	11,335	25	60.8	16.0	72.1	51.2	46.8	49.0	56.7
Glenn	57	13,125	26	62.6	16.6	63.5	44.8	37.3	41.0	48.5
LCS Buster	64	11,649	24	60.8	13.9	--	--	52.2	--	--
LCS Cannon	57	12,568	23	62.7	15.3	56.6	47.3	44.4	45.8	49.4
LCS Rebel	57	11,248	26	61.9	16.7	60.4	48.9	44.4	46.7	51.3
LCS Trigger	65	12,906	25	61.7	14.4	76.0	47.1	51.6	49.3	58.2
Lang-MN	60	13,204	25	61.6	16.1	61.3	51.2	42.6	46.9	51.7
Lanning	59	11,228	22	60.4	16.7	69.5	49.2	44.4	46.8	54.3
Linkert	59	11,321	23	60.9	17.5	58.8	47.1	40.1	43.6	48.7
MN Washburn	61	12,754	23	61.2	15.5	64.8	48.6	40.1	44.4	51.2
MN Torgy	59	12,033	24	61.5	15.8	--	--	45.4	--	--
MS Barracuda	56	11,249	22	60.9	17.0	51.1	36.8	36.4	36.6	41.4
MS Chevelle	59	13,416	23	61.7	14.6	67.3	54.8	46.9	50.8	56.3
MS Rancho	58	11,891	24	60.3	15.2	--	--	47.5	--	--
Mott	61	13,020	27	60.9	16.5	60.1	42.7	43.8	43.2	48.9
ND Frohberg	60	11,125	26	61.4	16.8	55.7	48.2	41.2	44.7	48.4
ND-VitPro	59	12,509	25	61.8	17.0	59.6	44.7	38.9	41.8	47.7
Sy Ingmar	60	12,802	23	62.1	16.7	61.8	46.8	43.3	45.1	50.7
SY Longmire	60	11,644	24	61.5	16.0	61.5	49.8	43.0	46.4	51.4
SY McCloud	60	11,521	23	61.7	17.5	60.5	46.2	39.9	43.1	48.9
SY Rockford	61	11,667	24	59.8	16.1	64.9	54.0	47.5	50.7	55.4
Sy Soren	60	12,742	21	61.3	16.9	61.9	48.6	40.5	44.5	50.3
Sy Valda	60	11,612	22	61.8	15.0	62.9	47.0	46.6	46.8	52.2
SY611CL2	59	12,098	23	61.9	16.4	--	49.8	44.2	47.0	--

Shelly	62	11,946	24	61.8	15.3	70.4	48.1	45.9	47.0	54.8
TCG-Heartland	58	12,417	23	61.7	17.1	--	43.9	41.0	42.5	--
TCG-Spitfire	63	11,495	25	61.5	14.7	66.1	52.6	47.7	50.1	55.5
TCG-Wildcat	60	11,715	24	62.0	16.2	--	--	47.3	--	--
Trial Mean	60	12,127	24	61.4	16.2	63.1	47.6	43.3	--	--
CV %	1.4	4.7	4.7	0.7	3.6	8.5	8.1	7.6	--	--
LSD 0.05	1	788	2	0.6	0.8	7.5	5.4	4.6	--	--
LSD 0.10	1	660	1	0.5	0.7	6.2	4.5	3.8	--	--

Planting Date: April 27, 2020

Harvest Date: August 12, 2020

Previous Crop: Soybean

Seeding Rate: 1.2 million live seeds/ac

2020 Glen Ullin Spring Wheat - Recrop

Dickinson, ND

Variety	Seeds per Pound	Test Weight lbs/bu	Protein %	----- Grain Yield-----			----- Average Yield-----	
				2017	2018	2020	2 Year	3 Year
				-----bu/ac-----			-----bu/ac-----	
Barlow	13,887	61.9	14.6	33.9	72.8	50.0	61.4	52.2
CP 3915	14,814	61.6	13.8	--	--	51.1	--	--
Driver	13,877	61.4	13.8	--	--	50.9	--	--
Dyna-Gro Commander	13,500	60.5	14.3	--	--	49.0	--	--
LCS Cannon	14,447	62.0	14.4	--	--	41.8	--	--
Lanning	13,633	61.0	14.5	--	--	46.1	--	--
MN Washburn	13,713	60.3	13.5	--	--	49.5	--	--
MN-Torgy	13,291	61.2	14.1	--	--	57.7	--	--
MS Barracuda	12,747	60.2	14.8	--	--	45.9	--	--
ND Frohberg	12,301	60.4	14.5	--	--	47.0	--	--
ND VitPro	13,739	61.9	15.2	35.3	71.5	43.6	57.6	50.2
SY Longmire	12,626	61.1	14.8	--	--	48.9	--	--
SY McCloud	11,827	61.2	14.9	--	--	43.6	--	--
Trial Mean	13,416	61.1	14.4	37.2	75.0	48.1	--	--
CV %	3.9	0.9	2.2	16.4	6.6	8.1	--	--
LSD 0.05	755	0.8	0.5	NS	7.1	5.6	--	--
LSD 0.10	628	0.6	0.4	NS	5.9	4.6	--	--

Planting Date: May 6, 2020

2019 Crop was lost due to hail

Harvest Date: August 18, 2020

Seeding Rate: 1.2 million live seeds/ac

2020 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	Seeds				2018	2019	2020	2	3
											Year	Year
							-----bu/ac-----			bu/ac	bu/ac	
AAC-Wildfire	100	167	12,386	25	60.1	14.1	--	--	51.8	--	--	
AC Emerson	100	165	15,369	24	59.1	15.4	83.1	45.2	38.0	41.6	55.4	
Ideal	100	164	13,068	22	59.5	12.4	90.6	49.6	45.5	47.5	61.9	
Jerry	100	163	13,176	24	57.7	13.3	84.6	46.7	45.1	45.9	58.8	
Keldin	100	166	10,898	22	60.1	13.7	99.0	53.9	38.2	46.0	63.7	
NE14696	100	162	12,837	22	58.7	12.9	--	--	40.5	--	--	
NW13493	100	163	12,905	21	59.9	12.4	--	--	43.1	--	--	
Northern	100	165	12,657	21	59.6	14.3	85.2	54.0	44.3	49.1	61.1	
Oahe	100	163	11,671	22	59.4	13.1	74.7	54.6	41.2	47.9	56.8	
Peregrine	100	164	13,970	25	59.9	12.5	90.6	51.3	46.5	48.9	62.8	
SY Monument	100	162	13,373	21	58.0	12.0	76.2	54.9	41.0	47.9	57.4	
SY Sunrise	100	162	12,883	18	58.9	12.1	64.1	49.3	37.5	43.4	50.3	
SY Wolf	100	162	13,030	21	60.1	13.5	80.5	60.4	42.1	51.2	61.0	
SY Wolverine	100	161	12,601	20	59.1	12.5	--	--	40.5	--	--	
TCG Boomlock	100	163	14,124	22	59.6	13.4	--	53.2	42.6	47.9	--	
Thompson	100	164	14,152	23	59.1	14.0	84.4	53.2	44.2	48.7	60.6	
WB-4462	100	161	12,317	21	58.2	12.2	68.7	55.2	39.6	47.4	54.5	
WB-4595	100	164	12,182	21	62.4	12.2	--	60.0	43.3	51.6	--	
Trial Mean	100	163	12,870	22	59.5	13.2	83.3	53.0	42.9	--	--	
CV %	0	0.4	7.1	5.1	0.6	3.3	8.8	8.5	8.1	--	--	
LSD 0.05	0	1	1,296	2	0.5	0.6	10.3	6.4	4.9	--	--	
LSD 0.10	0	1	1,082	1	0.4	0.5	8.6	5.3	4.1	--	--	

Planting Date: September 23, 2019

Harvest Date: August 3, 2020

Protein adjusted to 12% moisture

Previous Crop: oat hay

Seeding Rate: 1 million live seeds/ac

2020 Durum - Recrop

Dickinson, ND

Variety	Days to Head	Seeds per Pound	Plant Height	Test Weight	Protein	----- Grain Yield-----			----- Average Yield -----	
						2018	2019	2020	2	3
			in	lbs/bu	%	-----bu/ac-----			----bu/ac----	
AC Commander	61	9,906	23	60.2	15.4	48.1	53.6	39.2	46.4	47.0
Alkabo	61	10,079	24	60.4	14.1	63.2	46.8	39.4	43.1	49.8
Alzada	57	9,898	20	58.9	14.6	38.4	50.2	35.4	42.8	41.4
Ben	61	10,749	26	60.3	15.6	56.5	52.7	36.1	44.4	48.4
CDC Verona	62	10,123	24	61.2	15.3	64.1	49.7	41.7	45.7	51.9
Carpio	61	10,161	26	59.7	14.7	57.9	47.0	36.4	41.7	47.1
Divide	61	10,234	26	60.1	14.9	62.4	49.7	38.3	44.0	50.1
Grenora	60	10,106	24	60.0	15.5	55.9	51.5	39.5	45.5	49.0
Joppa	61	10,665	25	61.1	14.2	65.8	51.0	41.5	46.2	52.8
Lebsock	61	10,166	24	60.8	14.9	59.1	53.9	38.0	46.0	50.4
Maier	61	10,916	24	59.8	15.8	57.5	47.7	35.1	41.4	46.8
Mountrail	61	10,939	25	59.7	14.5	64.8	52.1	40.9	46.5	52.6
ND Grano	61	10,130	25	60.7	15.4	64.5	53.9	38.7	46.3	52.4
ND Riveland	61	10,549	27	60.2	14.9	60.1	45.8	38.3	42.1	48.1
Pierce	61	10,077	26	60.5	15.1	56.8	47.2	37.8	42.5	47.3
Rugby	60	11,008	28	60.5	14.9	63.2	44.5	36.9	40.7	48.2
Strongfield	62	10,685	23	59.9	15.9	60.3	49.8	36.2	43.0	48.8
Tioga	61	9,588	27	59.7	15.2	63.3	52.1	37.6	44.9	51.0
VT Peak	61	10,058	26	61.6	15.4	60.3	50.5	37.7	44.1	49.5
Trial Mean	61	10,296	25	60.2	15.1	61.6	51.1	37.9	--	--
CV %	0.9	5.0	5.2	0.9	3.5	9.0	9.3	7.4	--	--
LSD 0.05	1	726	2	0.8	0.7	7.8	6.6	4.0	--	--
LSD 0.10	1	608	2	0.9	0.6	6.5	5.6	3.3	--	--

Planting Date: April 27, 2020
 Harvest Date: August 11, 2020
 Previous Crop: Soybean
 Seeding Rate: 1.2 million live seeds/ac

2020 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-----	
							2018	2019	2020	2 Year	3 Year
							-----bu/ac-----			----bu/ac----	
Six Row											
Tradition	60	11,714	19	48.6	13.3	94.0	124.9	67.3	40.7	54.0	77.6
Two Row											
AAC Connect	63	10,180	18	49.1	12.9	95.8	--	73.7	49.5	61.6	--
AAC Synergy	64	10,694	18	49.4	11.9	96.6	141.3	73.8	50.3	62.0	88.5
CDC Bow	66	10,362	20	49.6	11.8	96.5	--	--	47.7	--	--
Conlon	58	9,791	19	49.2	12.2	97.7	79.9	60.7	45.7	53.2	62.1
Explorer	65	10,005	17	49.1	11.8	97.3	134.5	86.9	52.4	69.7	91.3
ND Genesis	63	9,957	22	49.8	10.7	96.7	134.4	69.1	50.5	59.8	84.7
Pinnacle	60	9,809	21	50.3	11.4	97.4	133.9	76.4	49.2	62.8	86.5
Trial Mean	62	10,151	19	48.9	11.4	97	127.8	73.0	48.7	--	--
CV %	1.9	4.6	6.4	0.9	4.7	0.8	7.2	11.3	7.2	--	--
LSD 0.05	2	665	2	0.6	0.8	1	13.0	11.8	5.0	--	--
LSD 0.10	1	555	1	0.5	0.6	1	10.8	9.8	4.2	--	--

Planting Date: April 27, 2020

Harvest Date: August 7, 2020

Previous Crop: Soybean

Seeding Rate: 1.2 million live seeds/ac

Grain protein percentages reported on a 0% moisture basis

2020 Glen Ullin Barley - Recrop

Dickinson, ND

Variety	Seeds per Pound	Test Weight lbs/bu	% Plump >6/64	Protein %	-----Grain Yield-----			Average Yield	
					2017	2018	2020	2	3
					-----bu/ac-----			----bu/ac----	
Six Row									
Tradition	9,551	51.2	96.3	15.0	65.6	106.3	76.1	91.2	82.7
Two Row									
AAC Synergy	8,956	51.3	96.3	12.9	--	--	106.8	--	--
CDC Bow	9,352	49.9	92.2	12.6	--	--	94.5	--	--
ND Genesis	9,193	50.9	95.1	11.3	65.8	115.8	102.8	109.3	94.8
Trial Mean	9,186	50.6	95	12.7	64.6	117.9	95.4	--	--
CV %	7.8	1.2	1.8	3.8	11.3	9.2	7.6	--	--
LSD 0.05	NS	0.9	3	0.7	NS	16.3	10.8	--	--
LSD 0.10	NS	0.8	2	0.6	NS	13.4	9.9	--	--

Planting Date: May 6, 2020

Harvest Date: August 15, 2020

2019 Crop lost due to hail

Seeding Rate: 1.2 million live seeds/ac

Grain protein percentages reported on a 0% moisture basis

2020 Oat - Recrop

Dickinson, ND

Variety	Days to Head	Seeds per Pound	Plant Height in	Test Weight lbs/bu	----- Grain Yield-----			----- Average Yield-----	
					2018	2019	2020	2018	2019
					-----bu/ac-----			-----bu/ac-----	
Beach	59	10,866	27	39.4	83.5	108.5	90.3	99.4	94.1
CDC Dancer	63	11,611	27	37.8	95.3	102.3	83.7	93.0	93.7
CDC Minstrel	62	11,154	23	37.7	106.0	127.5	93.9	110.7	109.1
Cs Camden	62	11,201	26	35.0	111.4	102.4	98.5	100.4	104.1
Deon	61	12,234	26	36.9	95.5	149.8	94.5	122.2	113.3
Hayden	61	11,545	25	38.2	117.4	129.5	93.2	111.3	113.3
HiFi	62	13,160	26	35.9	109.4	118.0	93.3	105.7	106.9
Hyttest	59	12,368	28	38.2	101.6	90.5	86.9	88.7	93.0
Jury	60	12,573	30	36.3	95.2	122.6	93.6	108.1	103.8
Killdeer	59	12,859	24	36.0	109.3	125.7	102.5	114.1	112.5
Leggett	63	12,027	25	37.9	95.4	97.9	88.5	93.2	93.9
ND Heart	59	11,498	26	33.8	103.0	99.2	93.0	96.1	98.4
Newburg	63	11,682	25	37.4	82.1	107.5	101.3	104.4	97.0
Otana	63	13,821	29	37.9	97.7	108.0	94.5	101.2	100.1
Paul	64	16,706	27	43.8	82.2	87.5	62.3	74.9	77.3
Rockford	61	13,370	27	38.2	99.1	123.4	90.5	107.0	104.3
Souris	60	14,388	24	36.9	94.5	110.9	103.2	107.1	102.9
Stallion	60	13,889	26	38.7	103.6	113.7	94.6	104.2	104.0
Warrior	59	13,413	23	36.8	--	97.0	91.6	94.3	--
Trial Mean	61	12,394	26	37.8	100.7	113.7	91.3	--	--
CV %	1.1	4.9	5.2	2.6	13.7	14.6	7.9	--	--
LSD 0.05	1	860	2	1.4	19.3	23.2	10.1	--	--
LSD 0.10	1	720	2	1.2	16.1	19.4	8.4	--	--

Planting Date: April 27, 2020

Harvest Date: August 17, 2020

Previous Crop: Field Pea

Seeding Rate: 1 million live seeds/ac

2020 Field Pea - Recrop

Dickinson, ND

Variety	Days	Days	1000	Seeds	Plant	Test	Protein	--Grain Yield--			Average Yield	
	to	to	Seed	per				2018	2019	2020	2	3
	Flower	Mature	Weight	Pound	Height	Weight	%	-----bu/ac-----			--bu/ac--	
			gm		in	lbs/bu						
Yellow Types												
AAC Asher	56	84	315	1,443	14	65.4	22.2	--	--	31.0	--	--
AAC Carver	55	84	292	1,558	15	65.4	22.5	--	47.0	24.2	35.6	--
AAC Chrome	56	85	322	1,411	13	66.1	21.8	--	50.1	26.1	38.1	--
AAC Profit	57	84	327	1,387	18	64.9	23.9	--	55.7	30.8	43.3	--
Agassiz	56	84	287	1,581	15	65.5	23.4	23.1	52.2	24.4	38.3	33.2
CDC Amarillo	58	86	291	1,559	19	65.5	24.7	--	43.2	34.5	38.9	--
CDC Dakota	60	86	217	2,099	20	66.5	26.6	--	--	29.9	--	--
CDC Inca	57	84	285	1,594	18	66.1	23.5	--	54.4	29.2	41.8	--
CDC Saffron	56	84	282	1,611	14	65.8	23.3	--	47.5	27.3	37.4	--
CDC Spectrum	56	84	307	1,480	17	65.8	23.5	--	45.8	29.5	37.6	--
Cronos	51	84	330	1,379	16	65.7	25.5	--	--	21.8	--	--
DS Admiral	54	84	289	1,571	18	66.6	23.9	25.7	40.7	30.4	35.6	32.3
Durwood	55	84	273	1,662	19	65.8	25.0	--	--	31.7	--	--
Hyline	56	84	311	1,462	18	66.4	21.9	25.3	48.7	34.1	41.4	36.0
Jetset	55	84	271	1,681	18	64.4	23.3	--	43.6	31.1	37.4	--
Peregrine	50	83	276	1,645	12	65.7	22.7	--	--	21.7	--	--
Kite	53	84	309	1,469	18	65.5	23.5	--	--	37.7	--	--
Korando	50	84	324	1,403	14	66.8	26.7	--	--	26.9	--	--
LG Equator	53	84	274	1,662	18	65.6	23.7	--	--	26.0	--	--
ND Dawn	55	84	316	1,446	16	64.5	23.8	--	41.8	25.8	33.8	--
Nette 2010	54	83	283	1,602	19	66.7	23.1	--	--	30.2	--	--
Salamanca	54	84	327	1,396	18	65.7	24.9	26.5	45.5	25.7	35.6	32.6
Green Types												
AAC Comfort	59	87	350	1,298	17	66.1	23.7	--	46.5	25.8	36.1	--
Aragorn	51	80	279	1,629	14	62.8	25.3	--	--	23.4	--	--

Arcadia	55	84	252	1,808	16	65.3	22.8	27.9	44.3	33.6	38.9	35.2
CDC Greenwater	56	86	307	1,477	20	65.3	23.1	--	41.1	34.9	38.0	--
CDC Striker	56	85	282	1,614	18	66.1	25.0	25.7	46.2	23.2	34.7	31.7
Daytona	55	84	324	1,406	17	65.0	23.9	--	--	28.7	--	--
Empire	56	85	300	1,526	22	66.6	24.6	--	--	26.7	--	--
Greenwood	54	83	254	1,796	15	64.8	24.2	--	--	25.1	--	--
Hampton	55	85	316	1,435	14	65.1	26.0	--	46.5	24.4	35.5	--
MS-20GP5	55	86	307	1,484	19	66.1	24.0	--	--	28.4	--	--
Shamrock	57	84	280	1,628	20	66.4	23.3	--	--	32.8	--	--
Trial Mean	55	84	295	1,556	17	65.6	23.9	24.8	45.2	28.4	--	--
CV %	2.1	0.7	5.6	5.7	14.6	0.6	4.0	17.2	11.2	17.1	--	--
LSD 0.05	2	1	23	124	3	0.5	1.3	NS	7.1	6.8	--	--
LSD 0.10	1	1	19	104	3	0.4	1.1	NS	6.0	5.7	--	--

Planting Date: April 28, 2020

Harvest Date: July 29, 2020

Previous Crop: Durum

Seeding Rate: 325,000 live seeds/ac

Grain protein percentages reported on 0% moisture basis

2020 Chickpea - Recrop

Dickinson, ND

Variety	Days	Days	Plant Height	1000 seed weight	Seeds per Pound	Test Weight	-----Seed Size (mm)-----				Yield
	to Flower	to Mature					<8	8-9	9-10	>10	
<i>Kabuli type</i>											
CDC Frontier	56	97	11	384	1,181	60.5	42	49	10	0	1018
CDC Orion	50	95	11	436	1,040	58.7	18	49	33	1	1006
ND Crown	52	96	12	447	1,016	60.0	19	44	37	0	952
Royal	57	97	12	525	865	58.7	7	27	60	6	670
Sawyer	52	97	12	518	875	57.7	6	31	60	3	666
Sierra	56	97	10	517	880	57.5	6	29	61	3	569
Trial Mean	54	96	11	471	976	58.9	16	38	43	2	813
CV %	1.4	1.0	8.3	3.7	3.2	0.7	14.7	6.0	9.2	33.9	18
LSD 0.05	1	2	2	31	57	0.7	4	4	7	1	262
LSD 0.10	1	1	1	25	47	0.6	4	3	6	1	213

Planting Date: April 28, 2020
 Harvest Date: August 17, 2020
 Previous Crop: Barley

2020 Lentil - Recrop

Dickinson, ND

Variety	Days to Flower	Days to Mature	1000 Seed Weight gm	Seeds per Pound	Plant Height in	Test Weight lbs/bu	protein %	----Grain Yield----			Average Yield	
								2017	2019	2020	2 Year	3 Year
								----lbs/ac----			---lbs/ac---	
Large Green Types												
CDC Greenstar	60	98	69	6,603	10	58.6	26.0	--	--	1276	--	--
Medium Green Type												
Avondale	58	98	53	8,640	9	60.7	24.9	--	--	1034	--	--
CDC Richlea	60	97	52	8,752	10	60.3	24.3	858	1,400	1269	1,335	1,176
Small Green Type												
CDC Invincible-CL	57	91	40	11,497	10	62.0	26.8	--	--	1375	--	--
CDC Kermit	60	94	32	14,378	9	62.1	26.5	--	--	1386	--	--
ND Eagle	59	95	41	11,089	10	61.2	26.5	624	1,226	1332	1,279	1,061
Small Red Types												
CDC Maxim-CL	55	91	43	10,505	9	61.7	23.9	--	--	1210	--	--
Extra Small Red Type												
CDC Impala-CL	57	91	33	13,773	10	62.4	26.2	--	--	1598	--	--
Trial Mean	58	94	45	10,655	10	61.1	25.6	697	1,400	1,310	--	--
CV %	1.3	1.3	5.5	7.2	7.0	0.4	1.6	10.7	12.7	13.8	--	--
LSD 0.05	1	2	4	1,344	1	0.4	0.7	107	257	316	--	--
LSD 0.10	1	2	4	1,104	1	0.3	0.6	89	214	260	--	--

Planting Date: April 28, 2020
 Harvest Date: August 11, 2020
 Previous Crop: Barley
 Seeding Rate: 600,000 live seeds/ac
 Grain protein percentages reported on 0% moisture basis

2020 Flax - Recrop

Dickinson, ND

Variety	Days	Days	Plant Height	Test Weight	Oil Content	-- Grain Yield--		2
	to Flower	to Mature				2019	2020	Year Average
			in	lbs/bu	%	-----bu/ac-----		bu/ac
AAC Bright	56	103	14	52.1	46.6	13.6	20.1	16.9
Bison	55	102	16	53.6	43.5	16.2	22.1	19.2
CDC Buryu	57	103	15	53.1	44.0	15.4	22.9	19.2
CDC Dorado	50	104	14	53.1	44.6	--	17.9	--
CDC Glas	57	103	15	52.2	44.2	13.3	19.7	16.5
CDC Neela	55	103	15	53.1	44.6	13.9	22.7	18.3
CDC Plava	56	102	14	52.8	44.2	9.9	18.4	14.2
Carter	55	104	16	53.4	44.0	14.7	20.0	17.3
Gold ND	57	105	16	53.3	45.2	14.1	19.1	16.6
ND Hammond	56	105	17	53.0	42.3	11.0	19.2	15.1
Omega	57	104	15	53.7	43.8	13.3	19.0	16.2
Prairiethunder	56	105	18	53.5	43.6	15.9	22.8	19.4
Webster	55	105	17	53.2	44.6	13.9	22.2	18.1
York	55	103	15	53.2	43.9	18.4	20.6	19.5
Trial Mean	56	105	16	53.3	44.5	14.6	21.1	21.1
CV %	1.1	1.3	7.1	0.8	0.9	15.0	10.9	10.9
LSD 0.05	1	2	2	0.7	0.6	3.6	3.7	3.7
LSD 0.10	1	2	2	0.6	0.5	3.0	3.1	3.1

Planting Date: April 30, 2020

Harvest Date: September 3, 2020

Previous Crop: Oat

No Lodging observed

Oil content reported on 9% moisture basis

2020 Industrial Hemp - Recrop

Dickinson, ND

Variety	Plant	1000	Seedling Mortality	Seeds per Pound	Plant Stand Uniformity ⁴	Test Weight	Oil Content ³	-- Grain Yield--		2	
	Stand	KWT						PLSE ¹	2019	2020	Year Average
	ft ²	g	%	%		lbs/bu	%	lbs/ac		lbs/ac	
Altair	7.7	15.1	48	52	30,098	3.0	38.9	30.8	860	384	622
CFX-2	7.1	14.8	45	55	30,612	2.5	41.1	33.6	722	451	586
CRS-1	7.1	15.7	44	56	29,014	3.3	41.3	33.6	744	569	657
Canda	7.7	16.8	48	52	27,018	4.3	39.4	30.8	897	415	656
Grandi	7.7	14.0	48	52	32,322	2.0	41.0	33.5	653	397	525
Joey	8.7	16.0	54	46	28,301	3.0	40.4	31.3	--	426	--
Katani	7.1	13.0	44	56	35,002	2.0	41.4	32.8	671	435	553
Vega	6.9	15.3	43	57	29,709	2.8	39.7	30.9	--	483	--
Trial Mean	7.0	15	44	56	30,782	3.1	40.0	31.6	697	427	--
CV %	20.1	3.2	20.1	15.8	3.6	15.7	0.8	1.4	13.8	17.3	--
LSD 0.05	2.1	0.7	13	13	1,620	0.7	0.5	0.7	136	108	--
LSD 0.10	1.7	0.6	11	11	1,343	0.6	0.4	0.5	114	89	--

¹ Pure live seed emergence

³ oil content reported as is basis (uniformly dried to approximately 3% moisture)

⁴ Stand Uniformity: 1 = plants are uniform height at harvest, 5 = very non-uniform plant height

Target seeding rate was 12 seeds/ft² + additional 25% for expected mortality loss.

Planting Date: May 28, 2020

Harvest Date: September 4, 2020

Previous Crop: wheat