

Variety	Days to Head	Seeds per Pound	Plant Height in	Test Weight lbs/bu	----- Grain Yield-----			Returns <sup>1</sup> \$/ac	Average Yield	
					2011	2012	2013		2	3
					-----bu/ac-----			----bu/ac----		
AC Pinnacle	62	10,817	34	33.9	154.1	111.9	150.7	131.75	131.3	138.9
Beach	61	13,043	39	39.2	129.0	118.0	142.4	131.65	130.2	129.8
CDC Dancer	61	11,721	37	35.1	118.8	114.2	132.5	96.79	123.3	121.8
CDC Minstrel	60	10,419	32	30.8	120.5	133.3	112.7	34.30	123.0	122.2
Furlong	63	9,047	34	33.6	139.2	130.3	131.0	86.90	130.6	133.5
Goliath	61	11,484	39	37.0	--	--	116.3	70.63	--	--
HiFi	61	15,463	34	32.9	114.9	117.5	117.3	54.26	117.4	116.5
Horsepower	56	13,752	29	36.5	--	93.0	111.7	58.03	102.3	--
Hyttest	59	12,815	36	34.5	105.9	132.8	124.0	75.30	128.4	120.9
Jury	60	12,398	38	36.6	124.9	131.9	124.1	85.63	128.0	127.0
Killdeer	60	12,549	33	35.7	138.5	124.8	135.1	104.45	130.0	132.8
Leggett	60	13,809	32	35.9	139.5	117.8	118.7	70.10	118.2	125.3
Morton	61	13,296	38	36.1	126.9	130.5	131.0	98.40	130.8	129.5
Newburg	60	11,369	40	35.4	128.2	139.8	143.9	123.75	141.8	137.3
Otana	61	14,124	39	36.8	110.7	133.4	139.5	121.39	136.5	127.9
Rockford	61	13,268	37	35.2	139.4	129.7	136.2	105.66	133.0	135.1
Shelby 427	56	14,198	34	36.8	117.9	125.2	109.5	54.50	117.3	117.5
Souris	59	12,399	32	35.1	115.4	127.7	131.2	94.55	129.4	124.8
Stallion	61	14,737	36	38.2	141.0	147.5	129.5	102.54	138.5	139.3
Stark*	62	12,704	38	37.6	111.0	108.0	123.9	88.85	115.9	114.3
Trial Mean	60	12,479	35	35.2	123.0	122.9	126.5	83.74	--	--
CV %	0.9	13.2	3.7	3.2	--	--	10.4	--	--	--
LSD 0.10	1	2,793	2	1.3	--	--	15.4	--	--	--

Planting Date: May 9, 2013

Harvest Date: August 19, 2013

\* Hulless

Previous Crop: Field Pea

Seeding Rate: 1 million live seeds/ac

<sup>1</sup>Returns were calculated by multiplying the 2013 yield by the test weight discount paid at the Southwest Grain Terminal located in Gladstone on September 19. The price paid was \$2.25/bu for grain with a test weight greater than 37 lb/bu. Grain with a test weight of 37 lb/bu was discounted \$.04/bu, with an additional discount of \$.04/bu per pound to 30 lb/bu. Below 30 lb/bu, an additional discount of \$.07/bu occurred per pound. Returns also deduct \$188.79, the sum of all listed costs from the December 2012 Farm Management Planning Guide Projected 2013 Crop Budgets South West North Dakota for oats.

## 2013 Barley - Recrop

Dickinson, ND

Variety	Days to Head	Seeds per Pound	Plant Height in	Test Weight lbs/bu	Protein %	Plump % >6/64	----- Grain Yield-----			Returns <sup>1</sup> \$/ac	Average Yield	
							2011	2012	2013		2011	2012
<b>Six Row</b>												
Celebration	57	11,668	27	44.3	13.3	99.7	77.9	95.7	78.6	7.37	87.1	84.0
Innovation	55	10,751	25	45.5	12.5	99.7	84.0	97.2	76.3	3.11	86.7	85.8
Lacey	56	10,590	29	46.5	12.4	99.6	77.0	93.9	82.3	20.90	88.1	84.4
Quest	58	11,722	29	45.0	12.6	98.9	73.2	91.4	84.9	26.21	88.2	83.2
Stellar-ND	56	10,713	28	45.4	13.1	99.6	78.0	101.7	79.0	10.80	90.3	86.2
Tradition	55	11,174	29	47.3	12.6	99.7	85.7	78.5	74.4	-1.70	76.4	79.5
<b>Two Row</b>												
04/506/42/8	57	9,684	25	47.7	11.4	99.6	--	--	93.2	52.04	--	--
AC Metcalfe	59	10,549	27	47.8	10.6	99.0	60.5	71.9	70.9	-11.68	71.4	67.8
CDC Copeland	60	9,919	29	47.2	11.2	99.1	61.3	81.0	87.0	33.76	84.0	76.5
Conlon	54	8,740	26	47.7	11.9	99.6	65.4	72.8	62.8	-34.78	67.8	67.0
Conrad	60	9,600	27	49.9	11.5	99.5	50.2	86.6	84.4	26.98	85.5	73.7
Pinnacle	58	8,548	27	50.3	11.0	99.6	76.8	89.1	76.3	3.70	82.7	80.7
Rawson	58	7,724	28	51.2	11.0	99.8	60.9	93.2	83.5	24.30	88.4	79.2
Trial Mean	57	10,102	27	47.1	11.8	99.5	73.2	89.5	81.4	17.37	--	--
CV %	1.3	2.6	6.4	2.2	3.78	0.2	--	--	10.7	--	--	--
LSD 0.10	1	444	2	1.2	0.8	0.3	--	--	10.3	--	--	--

Planting Date: May 7, 2013

Harvest Date: August 14, 2013

Previous Crop: F Field Pea

Seeding Rate: 1.2 million live seeds/ac

<sup>1</sup>Returns were calculated by multiplying the 2013 yields by the price paid for feed barley minus the test weight discount paid at the Southwest Grain Terminal located at Gladstone on September 19. The price paid on this date was \$2.85/bu for grain with test weights heavier than 45 lb/bu. Grain with a test weight of 45 lb/bu was discounted \$.03/bu, with an additional discount of \$.04/bu per pound down to 42 lb/bu. Below 42 lb/bu, an additional discount of \$.05/bu occurred per pound. Returns also deduct \$213.65, the sum of all listed costs from the December 2012 Farm Management Planning Guide Projected 2013 Crop Budgets South West North Dakota for barley.

## 2013 Field Pea - Recrop

Dickinson, ND

Variety	Days	Bloom	Seeds	Plant	Test	Protein	--Grain Yield--			Returns <sup>1</sup>	Average Yield	
	to						Duration	per	Height		Weight	2011
	Bloom		Pound	in	lbs/bu	%	-----bu/ac-----			\$/ac	--bu/ac--	
<b>Yellow Types</b>												
Agassiz	54	16	1,924	24	63.0	24.3	50.3	38.4	37.6	227.61	38.0	42.1
DS Admiral	53	15	1,979	27	64.1	24.9	45.6	39.0	40.9	265.17	39.9	41.8
CDC Meadow	53	15	2,180	26	64.5	24.5	--	--	38.0	232.20	--	--
CDC Treasure	53	16	2,158	27	64.6	23.9	--	--	40.9	265.25	--	--
<b>Green Types</b>												
Cruiser	53	14	2,444	24	63.9	25.2	36.1	33.8	29.9	249.18	31.9	33.3
CDC Striker	52	14	2,340	18	64.0	24.1	43.0	38.2	27.2	207.39	32.7	36.1
Majoret	52	15	2,001	23	64.1	26.0	45.4	37.7	34.8	325.32	36.2	39.3
CDC Raezer	55	12	1,929	25	63.6	24.7	--	--	34.5	320.83	--	--
Trial Mean	53	15	2,120	24	64.0	24.7	45.5	37.8	35.5	261.62	--	--
CV %	1.5	8.1	3.5	6.0	0.7	1.6	--	--	11.4	--	--	--
LSD 0.10	1	1	90	2	0.6	0.5	--	--	4.9	--	--	--

Planting Date: May 3, 2013

Harvest Date: August 5, 2013

Previous Crop: Barley

Seeding Rate: 325,000 live seeds/ac

Grain protein percentages reported on a 0% moisture basis

<sup>1</sup>Returns were calculated by multiplying the 2013 yield by the average price for yellow (\$11.67/bu) and green (\$15.42/bu) peas listed on the Northern Pulse Growers Association web site (<http://northernpulse.com/>) on September 17, 2013. Returns also deduct \$211.47, the sum of all listed costs from the December 2012 Farm Management Planning Guide Projected 2013 Crop Budgets South West North Dakota for Field Pea.

## 2013 Lentil - Recrop

Dickinson, ND

Variety	Days to Bloom	Bloom Duration	Seeds per Pound	Test Weight lbs/bu	Protein %	---Grain Yield---			Returns <sup>1</sup> \$/ac	Average Yield	
						2011	2012	2013		2	3
						----lbs/ac----			---lbs/ac---		
<b>Large Green Types</b>											
CDC Greenland	53	21	6,675	61.0	21.5	2,006	1,616	1,743	108.00	1,679	1,788
Pennell	54	20	6,515	59.4	22.7	2,239	1,708	1,548	73.22	1,628	1,832
Riveland	52	18	5,970	60.4	21.3	2,043	1,430	1,451	55.97	1,441	1,641
<b>Medium Green Type</b>											
CDC Richlea	53	18	8,699	62.3	20.4	2,292	1,907	1,872	131.11	1,889	2,024
<b>Small Green Type</b>											
CDC Viceroy	54	19	14,684	64.0	24.0	2,364	1,736	1,920	139.71	1,828	2,007
Essex	53	21	9,723	64.1	20.8	--	1,730	2,010	155.88	1,870	--
<b>Small French Green Type</b>											
CDC Lemay	54	21	14,159	63.5	21.7	2,084	1,627	1,571	77.43	1,599	1,761
<b>Medium Red Type</b>											
CDC Red Rider	53	21	10,237	63.5	21.6	2,501	1,899	1,837	124.86	1,868	2,079
<b>Small Red Types</b>											
CDC Redberry	54	20	10,797	63.4	22.6	2,220	1,856	1,567	76.63	1,711	1,881
CDC Rouleau	54	19	11,857	62.6	20.7	2,135	1,780	1,755	110.24	1,767	1,890
<b>Extra Small Red Type</b>											
CDC Rosetown	53	22	15,974	64.5	23.9	2,375	1,738	1,725	104.94	1,731	1,946
<b>Spanish Brown Type</b>											
Morena	52	18	11,067	63.8	22.0	--	1,752	1,833	124.22	1,793	--
Trial Mean	53	20	10,962	63.0	22.2	2,226	1,706	1,673	95.51	--	--
CV %	1.4	7.4	2.4	0.8	1.5	--	10	13	--	--	--
LSD 0.10	1	2	318	0.6	0.4	--	198	268	--	--	--

Planting Date: May 3, 2013

Harvest Date: August 5, 2013

Previous Crop: Barley

Seeding Rate: 600,000 live seeds/ac

Grain protein percentages reported on a 0% moisture basis

<sup>1</sup>Returns were calculated by multiplying the 2013 yield by the average price for lentils (\$17.87/cwt) listed on the Northern Pulse Growers Association web site (<http://northernpulse.com/>) on September 17, 2013. Returns also deduct \$203.38, the sum of all listed costs from the December 2012 Farm Management Planning Guide Projected 2013 Crop Budgets South West North Dakota for Lentil.

Variety	Days to Bloom	Bloom Duration	Seeds per Pound	Plant Height in	Test Weight lbs/bu	Protein %	Returns <sup>1</sup> \$/ac	Grain Yield lbs/ac
<b>Large Green Types</b>								
CDC Imigreen-CL	44	26	6,895	16	61.4	22.5	69.52	1,527
<b>Medium Green Type</b>								
CDC Impress-CL	43	26	8,870	14	62.5	20.3	144.25	1,945
<b>Small Red Types</b>								
CDC Maxim-CL	42	25	11,581	12	63.6	20.7	51.83	1,428
<b>Extra Small Red Type</b>								
CDC Impala-CL	42	27	15,620	13	64.5	22.7	138.29	1,912
Trial Mean	43	26	10,742	14	63.0	21.5	100.97	1,703
CV %	1.6	3.7	2.2	10.3	0.4	0.9	--	12.2
LSD 0.10	1	1	312	2	0.3	0.3	--	269.5

Planting Date: May 3, 2013

Harvest Date: August 5, 2013

Previous Crop: Barley

Seeding Rate: 600,000 live seeds/ac

Grain protein percentages reported on a 0% moisture basis

<sup>1</sup>Returns were calculated by multiplying the 2013 yield by the average price for lentils (\$17.87/cwt) listed on the Northern Pulse Growers Association web site (<http://northernpulse.com/>) on September 17, 2013. Returns also deduct \$203.38, the sum of all listed costs from the December 2012 Farm Management Planning Guide Projected 2013 Crop Budgets South West North Dakota for Lentil.

2013 Hard Red Spring Wheat - Recrop

Dickinson, ND

Variety	Days to Head	Seeds per Pound	Plant Height in	Test Weight lbs/bu	Protein %	----- Grain Yield-----			Returns <sup>1</sup> \$/ac	Average Yield	
						2011	2012	2013		Year	Year
						-----bu/ac-----			----bu/ac---		
Advance	56	15,304	26	63.0	14.0	--	71.1	43.1	83.29	57.1	--
Barlow	53	14,096	28	63.5	14.3	60.7	78.6	38.2	52.53	58.4	59.1
Breaker	56	13,815	29	64.3	13.9	60.0	68.3	46.1	100.61	57.2	58.1
Brennan	54	14,006	26	63.0	15.1	55.7	72.8	40.8	81.90	56.8	56.5
Duclair	54	13,851	27	61.5	13.5	--	--	42.9	73.92	--	--
Elgin	56	14,138	29	63.0	13.8	59.4	69.5	48.5	113.80	59.0	59.1
Faller	56	12,798	28	61.8	12.7	48.6	76.5	48.0	95.82	62.2	57.7
Forefront	52	14,850	30	62.8	14.2	--	68.8	44.0	92.58	56.4	--
Glenn	55	14,821	28	63.3	13.6	60.7	77.8	39.9	54.11	58.9	59.5
Howard	55	13,820	29	63.0	13.0	53.0	73.4	43.4	72.11	58.4	56.6
Jenna	56	13,535	28	62.0	13.6	60.6	76.9	49.3	116.39	63.1	62.3
Kelby	53	14,242	26	62.3	16.0	54.0	65.5	37.3	64.43	51.4	52.2
LCS Albany	59	15,974	26	62.0	12.6	--	72.6	42.4	60.60	57.5	--
LCS Breakaway	53	13,566	26	63.8	15.2	--	70.1	40.8	83.16	55.4	--
LCS Powerplay	55	13,035	28	63.5	12.8	55.0	75.2	50.0	111.67	62.6	60.1
Linkert	56	12,233	28	62.8	14.3	--	66.1	41.2	73.41	53.6	--
Mott	57	14,953	30	63.0	13.7	52.8	67.3	46.4	99.65	56.8	55.5
ND901CL	55	14,998	30	62.5	14.5	49.6	69.8	42.3	83.46	56.0	53.9
Norden	55	14,494	27	63.8	13.5	58.3	69.9	45.0	87.87	57.5	57.7
Prosper	56	13,143	28	62.3	13.0	55.8	68.0	46.6	92.68	57.3	56.8
RB07	54	15,260	29	60.5	13.8	51.3	75.3	39.6	56.88	57.4	55.4
Rolag	55	13,569	25	62.5	14.1	--	68.2	42.1	76.20	55.1	--
Sabin	55	15,923	27	62.3	13.9	56.4	67.0	41.6	70.76	54.3	55.0
Samson	54	14,066	28	62.0	13.1	62.3	71.9	51.5	124.19	61.7	61.9
Select	51	14,109	31	63.5	13.9	57.0	63.6	44.3	88.39	53.9	55.0
Steele-ND	53	14,379	29	64.3	14.4	50.3	71.1	40.7	69.50	55.9	54.0
Sy 605 CL	53	16,338	27	62.8	13.4	--	78.0	35.5	23.52	56.7	--
Sy Rowyn	53	16,332	25	62.3	14.0	--	69.9	39.2	56.90	54.6	--
Sy Soren	55	14,226	26	62.8	14.5	54.5	68.0	44.7	100.47	56.4	55.7
Sy Tyra	56	12,913	27	63.8	14.1	50.8	70.2	45.0	96.05	57.6	55.4
Vantage	59	15,817	27	63.3	14.3	47.4	63.3	39.2	59.59	51.2	50.0
Velva	55	13,152	29	63.0	13.6	55.7	78.3	45.7	92.37	62.0	59.9
WB-Digger	55	13,205	30	62.3	13.7	54.5	73.7	48.4	113.37	61.1	58.9
WB-Gunnison	55	11,969	26	62.5	13.8	37.9	66.7	40.9	65.71	53.8	48.5
WB-Mayville	53	12,744	25	62.8	15.1	54.6	71.4	39.1	69.73	55.3	55.0
WB-9879CLP	55	15,499	28	62.0	13.2	--	--	46.1	92.53	--	--
Alpine	55	13,789	27	62.5	13.8	55.1	71.8	39.6	57.41	55.7	55.5
Trial Mean	55	14,120	28	62.8	14.1	54.1	70.6	43.5	85.61	--	--
CV %	1.3	4.4	8.5	0.5	5.4	--	--	12.9	--	--	--
LSD 0.10	1	1,048	3	0.6	1.3	--	--	6.6	--	--	--

Planting Date: May 6, 2013  
 Harvest Date: August 21, 2013  
 Previous Crop: Field Pea  
 Seeding Rate: 1.2 million live seeds/ac

<sup>1</sup>Returns were calculated by multiplying the 2013 yield by protein premium or discount paid at the Southwest Grain Terminal located at Gladstone on September 19. The price paid on this date was \$6.75/bu, for a grain protein concentration of 14%. An additional \$.07/bu was paid for each additional 0.2% increase in grain protein up to 15%. An additional \$.04/bu was paid for each additional 0.2% increase in protein up to 17% above which an additional premium was not paid. Grain was discounted \$0.06/bu for each 0.2% reduction in grain protein from 14% to 12%, below which no additional discount was assigned. Returns factored in discounts for grain with a test weight <58 lb/bu [-\$.02/bu for 0.5 lb/bu between 58 and 57 lb/bu; -.03/bu for 0.5 lb/bu between 57 and 55 lb/bu; -.04/bu for 0.5 lb/bu between 55 and 54 lb/bu; and -.05/bu for 0.5 lb/bu between 54 and 52 lb/bu]. Returns also deduct \$207.83, the sum of all listed costs from the December 2012 Farm Management Planning Guide Projected 2013 Crop Budgets South West North Dakota for spring wheat.

**2013 Hannover Durum - Recrop**

**Dickinson, ND**

Variety	Seeds per Pound	Test Weight lbs/bu	Protein %	-----Grain Yield-----			Returns <sup>1</sup> \$/ac	Average Yield	
				2011	2012	2013		2	3
				-----bu/ac-----			----bu/ac----		
Alkabo	11,758	60.2	13.4	25.5	53.0	56.9	135.88	54.9	45.1
Carpio	10,786	60.3	14.0	29.3	53.1	67.8	203.49	60.4	50.1
Divide	11,695	60.6	14.1	30.8	54.8	61.8	166.93	58.3	49.1
Grenora	11,668	57.9	13.7	30.4	53.7	62.9	166.81	58.3	49.0
Joppa	11,232	59.3	13.4	32.7	55.1	70.6	219.69	62.8	52.8
Tioga	9,776	61.4	14.1	34.6	52.7	69.1	213.11	60.9	52.1
Trial Mean	11,153	59.9	13.8	30.5	53.7	64.8	184.32	--	--
CV %	4.0	1.6	1.9	--	--	7.2	--	--	--
LSD 0.10	906	1.4	0.5	--	--	6.9	--	--	--

Planting Date: May 15, 2013  
 Harvest Date: August 30, 2013  
 Previous Crop: Spring Wheat  
 Seeding Rate: 1.2 million live seeds/ac

<sup>1</sup>Returns were calculated by multiplying the 2013 yield by the test weight discount paid at the Southwest Grain Terminal located at Gladstone on September 19. The price paid on this date was \$6.20/bu for grain with a minimum test weight of 60 lb/bu. Grain was discounted \$.02/bu for each 0.5 lb reduction in test weight between 60 and 58 lb/bu, \$.04/bu per 0.5 lb reduction between 58 and 54 lb/bu, and \$0.05/bu per 0.5 lb/bu reduction between 54 and 50 lb/bu. Returns also deduct \$215.36, the sum of all listed costs from the December 2012 Farm Management Planning Guide Projected 2013 Crop Budgets South West North Dakota for durum.

**2013 Glen Ullin Durum - Recrop**

**Dickinson, ND**

Variety	Seeds per Pound	Test Weight lbs/bu	Protein %	-----Grain Yield-----			Returns <sup>1</sup> \$/ac	Average Yield	
				2011	2012	2013		2	3
				-----bu/ac-----			----bu/ac----		
Alkabo	10,508	65.3	11.7	43.9	65.9	83.2	300.35	74.5	64.3
Carpio	10,383	66.0	11.4	45.0	64.7	87.5	327.11	76.1	65.7
Divide	9,745	65.9	11.8	49.1	63.6	87.0	324.30	75.3	66.6
Grenora	10,257	63.5	12.0	44.8	63.5	85.4	314.37	74.5	64.6
Joppa	10,333	65.5	11.6	50.5	69.4	91.9	354.68	80.7	70.6
Tioga	9,798	66.5	12.1	49.3	66.2	88.8	334.95	77.5	68.1
Trial Mean	10,171	65.5	11.8	47.1	65.6	87.3	325.96	--	--
CV %	2.9	1.0	3.7	--	--	6.4	--	--	--
LSD 0.10	585	0.8	NS	--	--	NS	--	--	--

Planting Date: May 15, 2013  
 Harvest Date: August 30, 2013  
 Previous Crop: Spring Wheat  
 Seeding Rate: 1.2 million live seeds/ac

<sup>1</sup>Returns were calculated by multiplying the 2013 yield by the test weight discount paid at the Southwest Grain Terminal located at Gladstone on September 19. The price paid on this date was \$6.20/bu for grain with a minimum test weight of 60 lb/bu. Grain was discounted \$.02/bu for each 0.5 lb reduction in test weight between 60 and 58 lb/bu, \$.04/bu per 0.5 lb reduction between 58 and 54 lb/bu, and \$0.05/bu per 0.5 lb/bu reduction between 54 and 50 lb/bu. Returns also deduct \$215.36, the sum of all listed costs from the December 2012 Farm Management Planning Guide Projected 2013 Crop Budgets South West North Dakota for durum.

**2013 Glen Ullin Barley - Recrop**

**Dickinson, ND**

Variety	Seeds per Pound	Test Weight lbs/bu	% Plump >6/64	Protein %	-----Grain Yield-----			Returns <sup>1</sup> \$/ac	Average Yield	
					2011	2012	2013		2	3
					-----bu/ac-----				----bu/ac----	
<b>Six Row</b>										
Celebration	11,440	46.6	100	13.9	--	72.2	97.1	63.15	77.5	--
Innovation	10,574	48.8	100	13.0	58.4	69.1	105.8	87.98	87.5	77.8
Quest	10,986	47.2	100	13.1	56.6	67.1	107.0	91.41	87.0	76.9
<b>Two Row</b>										
Conlon	8,345	50.9	100	12.2	38.1	58.7	75.6	1.93	67.2	57.5
Pinnacle	8,215	49.0	100	11.4	47.4	68.1	106.5	89.95	87.3	74.0
Rawson	8,008	49.7	100	11.6	49.0	58.0	104.7	84.63	81.3	70.6
Trial Mean	9,595	48.7	100	12.5	50.2	65.5	99.5	69.85	--	--
CV %	3.7	1.3	0.0	1.5	--	--	6.5	--	--	--
LSD 0.10	714	0.8	NS	0.4	--	--	8.0	--	--	--

Planting Date: May 15, 2013

Harvest Date: August 30, 2013

Previous Crop: Spring Wheat

Seeding Rate: 1.2 million live seeds/ac

<sup>1</sup>Returns were calculated by multiplying the 2013 yields by the price paid for feed barley minus the test weight discount paid at the Southwest Grain Terminal located at Gladstone on September 19. The price paid on this date was \$2.85/bu for grain with test weights heavier than 45 lb/bu. Grain with a test weight of 45 lb/bu was discounted \$.03/bu, with an additional discount of \$.04/bu per pound down to 42 lb/bu. Below 42 lb/bu, an additional discount of \$.05/bu occurred per pound. Returns also deduct \$213.65, the sum of all listed costs from the December 2012 Farm Management Planning Guide Projected 2013 Crop Budgets South West North Dakota for barley.

**2013 Hannover Barley - Recrop**

**Dickinson, ND**

Variety	Seeds per Pound	Test Weight lbs/bu	% Plump >6/64	Protein %	-----Grain Yield-----			Returns <sup>1</sup> \$/ac	Average Yield	
					2010 -----bu/ac-----	2011	2012		2 Year ----bu/ac----	3 Year
<b>Six Row</b>										
Celebration	13,075	45.8	100	14.5	--	86.7	69.1	-21.42	44.8	--
Innovation	11,165	46.3	100	13.5	59.1	90.2	82.7	19.61	86.4	77.3
Quest	11,502	45.3	99	13.6	58.7	78.7	74.3	-12.83	76.5	70.6
<b>Two Row</b>										
Conlon	9,027	49.5	100	13.1	39.3	76.9	37.7	-121.08	57.3	51.3
Pinnacle	9,095	47.0	100	11.5	49.5	88.1	78.7	9.43	83.4	72.1
Rawson	8,463	47.0	100	11.9	55.2	79.8	76.2	3.59	78.0	70.4
Trial Mean	10,388	46.8	100	13.0	48.6	83.4	69.8	-20.45	--	--
CV %	5.8	1.6	0.2	2.3	--	--	15.2	--	--	--
LSD 0.10	1,206	1.5	NS	0.6	--	--	21.4	--	--	--

Planting Date: May 15, 2013

Harvest Date: August 30, 2013

Previous Crop: Spring Wheat

Seeding Rate: 1.2 million live seeds/ac

<sup>1</sup>Returns were calculated by multiplying the 2013 yields by the price paid for feed barley minus the test weight discount paid at the Southwest Grain Terminal located at Gladstone on September 19. The price paid on this date was \$2.85/bu for grain with test weights heavier than 45 lb/bu. Grain with a test weight of 45 lb/bu was discounted \$.03/bu, with an additional discount of \$.04/bu per pound down to 42 lb/bu. Below 42 lb/bu, an additional discount of \$.05/bu occurred per pound. Returns also deduct \$213.65, the sum of all listed costs from the December 2012 Farm Management Planning Guide Projected 2013 Crop Budgets South West North Dakota for barley.

**2013 Glen Ullin Spring Wheat - Recrop**

**Dickinson, ND**

Variety	Seeds	Test	Protein	----- Grain Yield-----			Returns <sup>1</sup>	----- Average Yield -----	
	per Pound	Weight		2011	2012	2012		2	3
		lbs/bu	%	-----bu/ac-----			\$/ac	----bu/ac----	
Advance	13,596	64.9	13.6	--	--	89.8	387.40	--	--
Barlow	12,955	65.2	15.0	30.7	61.8	88.1	417.63	75.0	60.2
Elgin	13,555	63.0	14.8	--	65.2	94.4	455.93	79.8	--
Forefront	12,450	64.5	15.0	--	--	91.9	738.10	--	--
Glenn	12,635	64.3	14.8	27.1	64.4	85.6	393.61	75.0	59.0
Mott	13,302	64.0	14.2	37.1	64.6	95.1	434.13	79.8	65.6
Prosper	11,817	63.1	13.9	32.0	66.0	97.5	444.57	81.7	65.2
Sy Soren	13,704	63.5	15.2	--	--	86.4	408.95	--	--
Velva	12,064	63.0	14.8	33.6	67.9	97.4	470.35	82.7	66.3
Trial Mean	12,898	63.9	14.6	31.7	62.6	91.8	427.85	--	--
CV %	4.0	0.8	1.3	--	--	4.6	--	--	--
LSD 0.10	961	0.6	0.4	--	--	5.1	--	--	--

Planting Date: May 15, 2013

Harvest Date: August 30, 2013

Previous Crop: Spring Wheat

Seeding Rate: 1.2 million live seeds/ac

<sup>1</sup>Returns were calculated by multiplying the 2013 yield by protein premium or discount paid at the Southwest Grain Terminal located at Gladstone on September 19. The price paid on this date was \$6.75/bu, for a grain protein concentration of 14%. An additional \$.07/bu was paid for each additional 0.2% increase in grain protein up to 15%. An Additional \$.04/bu was paid for each additional 0.2% increase in protein up to 17% above which an additional premium was not paid. Grain was discounted \$0.06/bu for each 0.2% reduction in grain protein from 14% to 12%, below which no additional discount was assigned. Returns factored in discounts for grain with a test weight <58 lb/bu [-\$.02/bu for 0.5 lb/bu between 58 and 57 lb/bu; -\$.03/bu for 0.5 lb/bu between 57 and 55 lb/bu; -\$.04/bu for 0.5 lb/bu between 55 and 54 lb/bu; and -\$.05/bu for 0.5 lb/bu between 54 and 52 lb/bu]. Returns also deduct \$207.83, the sum of all listed costs from the December 2012 Farm Management Planning Guide Projected 2013 Crop Budgets South West North Dakota for spring wheat.

**2013 Hannover Spring Wheat - Recrop**

**Dickinson, ND**

Variety	Seeds	Test	Protein	----- Grain Yield-----			Returns <sup>1</sup>	Average Yield	
	per Pound	Weight lbs/bu		2011	2012	2013		2011	2012
			%	-----bu/ac-----			\$/ac	----bu/ac----	
Advance	14,563	61.6	14.7	--	--	60.6	213.73	--	--
Barlow	13,786	58.5	15.9	29.4	60.7	53.4	179.66	57.0	47.8
Elgin	14,985	57.6	15.8	--	65.1	61.8	240.39	122.4	--
Forefront	14,493	61.1	16.1	--	--	59.7	228.32	--	--
Glenn	14,903	57.4	16.0	27.6	60.4	47.5	137.95	53.9	45.2
Mott	14,827	60.7	15.6	30.2	57.4	64.1	255.20	60.8	50.6
Prosper	13,172	59.7	14.9	27.9	55.3	66.6	260.11	60.9	49.9
Sy Soren	15,885	58.2	16.1	--	--	52.1	172.41	--	--
Velva	14,448	57.5	15.3	32.2	56.2	60.0	218.51	58.1	49.5
Trial Mean	14,563	59.1	15.6	28.2	60.1	58.4	211.80	--	--
CV %	4.2	1.1	2.2	--	--	5.4	--	--	--
LSD 0.10	1,130	0.8	0.6	--	--	3.8	--	--	--

Planting Date: May 15, 2013

Harvest Date: August 30, 2013

Previous Crop: Spring Wheat

Seeding Rate: 1.2 million live seeds/ac

<sup>1</sup>Returns were calculated by multiplying the 2013 yield by protein premium or discount paid at the Southwest Grain Terminal located at Gladstone on September 19. The price paid on this date was \$6.75/bu, for a grain protein concentration of 14%. An additional \$.07/bu was paid for each additional 0.2% increase in grain protein up to 15%. An Additional \$.04/bu was paid for each additional 0.2% increase in protein up to 17% above which an additional premium was not paid. Grain was discounted \$0.06/bu for each 0.2% reduction in grain protein from 14% to 12%, below which no additional discount was assigned. Returns factored in discounts for grain with a test weight <58 lb/bu [-\$.02/bu for 0.5 lb/bu between 58 and 57 lb/bu; -\$.03/bu for 0.5 lb/bu between 57 and 55 lb/bu; -\$.04/bu for 0.5 lb/bu between 55 and 54 lb/bu; and -\$.05/bu for 0.5 lb/bu between 54 and 52 lb/bu]. Returns also deduct \$207.83, the sum of all listed costs from the December 2012 Farm Management Planning Guide Projected 2013 Crop Budgets South West North Dakota for spring wheat.

## 2013 Winter Wheat - Recrop

Dickinson, ND

Variety	Heading Date	Seeds per Pound	Plant Height	Test Weight	Protein %	----- Grain Yield-----				----- Average Yield-----	
						2011	2012	2013	Returns <sup>1</sup>	Year 2	Year 3
	June		in	lbs/bu		bu/ac	bu/ac	bu/ac	\$/ac	bu/ac	bu/ac
AC Broadview	23	17,222	31	58.7	11.7	--	70.3	64.8	156.42	97.2	--
Accipiter	25	17,720	30	58.8	11.8	40.6	60.3	65.0	159.93	62.7	55.3
Art	20	15,697	30	63.3	12.4	65.4	60.3	61.9	145.33	61.1	62.5
Boomer	24	17,214	31	58.1	12.5	37.0	66.4	60.8	138.16	63.6	54.7
Decade	20	13,646	30	60.6	12.4	48.6	70.1	75.6	227.81	72.8	64.8
Expedition	17	14,332	29	60.9	12.0	--	--	58.5	123.17	--	--
Falcon	23	17,149	30	59.3	12.2	48.6	68.3	66.1	169.31	67.2	61.0
Flourish	23	15,402	30	58.2	12.5	--	--	68.0	182.25	--	--
Ideal	22	14,609	31	62.4	11.4	46.7	62.7	71.1	190.95	66.9	60.2
Jerry	24	14,113	33	60.9	12.0	39.1	66.0	63.5	150.89	64.7	56.2
Lyman	20	12,830	31	64.0	13.0	55.6	67.9	64.5	162.87	66.2	62.7
McGill	21	15,723	31	59.7	11.7	--	60.0	55.5	100.94	72.2	--
Moats	24	15,906	33	56.2	11.7	--	--	66.1	163.84	--	--
Freeman	18	14,451	29	59.2	11.1	--	--	65.1	149.92	--	--
Overland	20	13,441	31	63.6	11.7	50.5	75.4	63.5	148.42	69.5	63.1
Peregrine	24	15,615	34	63.0	11.1	42.7	54.9	72.0	190.34	63.4	56.5
Robidoux	20	17,467	31	59.9	12.1	--	66.4	45.3	44.00	51.9	--
SY Wolf	20	14,873	29	57.6	11.8	61.8	65.8	72.0	199.13	68.9	66.6
Sunrise	22	15,230	31	59.9	11.5	--	--	74.5	210.91	--	--
WB Grainfield	16	14,356	28	60.8	11.8	--	--	50.0	70.11	--	--
WB-Matlock	24	15,653	31	60.5	12.6	28.8	70.6	64.3	159.29	67.4	54.5
Wesley	18	13,809	30	59.4	12.6	47.8	51.8	63.1	152.07	57.4	54.2
Trial Mean	21	15,293	31	60.2	11.8	46.7	64.6	64.7	156.02	--	--
CV %	0.0	3.2	7.9	3.9	12.5	--	9.5	10.1	--	--	--
LSD 0.10	1	850	NS	2.8	NS	--	7.3	7.7	--	--	--

Planting Date: October 1, 2012

Harvest Date: August 5, 2013

Previous Crop: Pea

Seeding Rate: 1 million live seeds/ac

<sup>1</sup>Returns were calculated by multiplying the 2013 yield by protein premium or discount paid at the Southwest Grain Terminal located at Gladstone on August 10. The price paid on this date was \$6.51/bu for a grain protein concentration of 12%. \$.01/bu was paid for each additional 0.2% increase in grain protein up to 15%, above which an additional premium was not paid. Grain was discounted \$0.04/bu for each 0.2% reduction in grain protein from 12% to 9%, below which no additional discount was assigned. Returns factored in discounts for grain with a test weight < 60 lb/bu [-\$.01/bu for 0.5 lb/bu between 60 and 58 lb/bu; -.02/bu for 0.5 lb/bu between 58 and 57 lb/bu; -.03/bu for 0.5 lb/bu between 57 and 55 lb/bu; -.04/bu for 0.5 lb/bu between 55 and 54 lb/bu; and -.05/bu for 0.5 lb/bu between 54 and 52 lb/bu]. Returns also deduct \$229.42, the sum of all listed costs from the December 2012 Farm Management Planning Guide Projected 2013 Crop Budgets South West North Dakota for winter wheat.

Variety	Days to Head	Seeds per Pound	Plant Height in	Test Weight lbs/bu	Protein %	----- Grain Yield-----				Average Yield	
						2010	2012	2013	Returns <sup>1</sup> \$/ac	2 Year	3 Year
						-----bu/ac-----			----bu/ac----		
AC Commander	59	10,504	27	62.3	13.2	62.0	61.2	35.6	5.65	48.4	53.0
AC Navigator	60	10,534	27	62.3	13.4	51.8	52.0	34.5	-1.40	43.2	46.1
Alkabo	60	10,307	30	62.5	13.1	50.7	52.8	39.9	32.21	46.4	47.8
Alzada	56	10,060	29	61.8	12.8	53.2	49.3	35.2	3.07	42.3	45.9
Ben	59	11,758	26	62.8	14.3	50.0	59.7	36.7	12.16	48.2	48.8
CDC Verona	60	11,602	30	62.3	14.7	56.8	52.2	39.5	29.41	45.9	49.5
Carpio	61	10,440	30	62.8	12.8	59.0	56.4	43.9	56.85	50.1	53.1
DG Max	58	11,151	30	62.5	13.0	55.1	57.1	31.6	-19.52	44.4	48.0
Divide	60	12,169	30	61.8	14.0	51.8	59.1	40.3	34.65	49.7	50.4
Grenora	58	10,651	27	62.0	13.2	56.0	61.2	35.1	2.29	48.2	50.8
Joppa	59	10,611	30	62.5	12.7	61.1	57.4	41.1	39.23	49.2	53.2
Lebsock	59	11,854	26	62.8	13.5	52.8	64.8	32.2	-16.03	48.5	49.9
Maier	59	11,346	30	62.3	14.2	57.3	60.3	36.3	9.39	48.3	51.3
Mountrail	60	10,561	31	61.3	13.3	58.1	59.1	44.6	60.96	51.8	53.9
Pierce	59	11,936	29	63.3	13.4	54.3	58.5	31.7	-18.61	45.1	48.2
Rugby	59	13,539	31	62.3	14.0	44.7	54.1	32.6	-13.39	43.3	43.8
Strongfield	59	12,445	28	61.0	14.5	57.3	55.1	37.6	17.88	46.3	50.0
Tioga	60	10,236	33	63.0	13.0	56.0	56.0	37.5	17.14	46.7	49.8
VT Peak	58	11,433	28	62.8	14.8	--	--	38.9	25.66	--	--
Trial Mean	59	11,197	29	62.6	13.4	56.7	56.5	38.2	21.69	--	--
CV %	1.3	7.0	11.0	0.8	3.3	--	--	17.9	--	--	--
LSD 0.10	1	1,311	4	0.8	0.7	--	--	8.0	--	--	--

Planting Date: May 6, 2013

Harvest Date: August 22, 2013

Previous Crop: Field Pea

Seeding Rate: 1.2 million live seeds/ac

<sup>1</sup>Returns were calculated by multiplying the 2013 yield by the test weight discount paid at the Southwest Grain Terminal located at Gladstone on September 19. The price paid on this date was \$6.20/bu for grain with a minimum test weight of 60 lb/bu. Grain was discounted \$.02/bu for each 0.5 lb reduction in test weight between 60 and 58 lb/bu, \$.04/bu per 0.5 lb reduction between 58 and 54 lb/bu, and \$0.05/bu per 0.5 lb/bu reduction between 54 and 50 lb/bu. Returns also deduct \$215.36, the sum of all listed costs from the December 2012 Farm Management Planning Guide Projected 2013 Crop Budgets South West North Dakota for durum.