

WHEAT: Production Costs and Returns, Northern Plains Region, 1996-2003 1/ 2/

Item	1996	1997	1998	1999	2000	2001	2002	2003
	<u>Dollars per Planted Acre</u>							
Gross value of production (excluding direct Government payments)								
Wheat	143.56	93.61	100.1	85.49	83.98	77.94	80.59	121.34
Wheat straw	0.60	0.74	1.74	1.42	1.67	1.85	2.39	2.08
Total, gross value of production	144.16	94.35	101.84	86.91	85.65	79.79	82.98	123.42
Cash expenses								
Seed	8.93	7.64	7.64	6.36	6.19	6.34	6.33	7.90
Fertilizer, lime, and gypsum	15.63	14.85	14.78	13.46	13.91	19.66	14.40	19.79
Chemicals	8.27	8.33	10.61	10.28	10.15	10.14	10.09	10.05
Custom operations	2.72	2.64	4.04	3.82	4.00	3.77	3.13	4.69
Fuel, lube, and electricity	7.12	6.74	4.25	4.16	6.06	6.03	5.22	7.02
Repairs	14.09	12.77	8.10	8.85	9.85	9.66	9.57	10.38
Hired Labor	2.39	2.52	1.45	1.48	1.60	1.67	1.70	1.80
Other variable cash expenses 3/	0.03	0.03	0.16	0.16	0.16	0.17	0.17	0.18
Total, variable cash expenses	59.18	55.52	51.03	48.57	51.92	57.44	50.61	61.81
General farm overhead	4.54	5.35	6.32	6.42	6.49	6.76	6.97	7.14
Taxes and insurance	8.67	9.61	3.76	3.81	3.85	3.95	3.99	4.06
Interest	9.39	9.47	1.19	1.11	1.45	0.94	0.41	0.32
Total, fixed cash expenses	22.60	24.43	11.27	11.34	11.79	11.65	11.37	11.52
Total, cash expenses	81.78	79.95	62.04	59.91	63.71	69.09	61.98	73.33
Gross value of production less cash expenses listed	62.38	14.40	39.80	27.00	21.94	10.70	21.00	50.09
Harvest-period price (dollars/bu.)	4.86	3.81	2.91	2.68	2.50	2.66	3.55	3.21
Yield (bu./planted acre)	29.54	24.57	34.40	31.90	33.60	29.30	22.70	37.80

1/ Data for 1996-1997 refer to the Northern Plains Region which includes Minnesota, North Dakota, South Dakota, Montana, and Wyoming.

2/ Data for 1998 and later refer to the Northern Great Plains Region which includes North Dakota, South Dakota, and parts of Montana, Wyoming, Nebraska and Minnesota.

3/ Cost of purchased irrigation water and baling.

Source: Economic Research Service, United States Department of Agriculture, Washington, D.C.

Internet Web Site (www.ers.usda.gov/data/)

BARLEY: Production Costs and Returns, Northern Plains Region, 1996-2003 1/ 2/

Item	1996	1997	1998	1999	2000	2001	2002	2003
	<u>Dollars per Planted Acre</u>							
Gross value of production (excluding direct Government payments)								
Barley	139.00	91.83	79.90	73.27	68.82	75.98	69.85	154.11
Barley straw	1.89	2.67	2.07	1.79	2.02	2.07	2.33	4.13
Total, gross value of production	140.89	94.50	81.97	75.06	70.84	78.05	72.18	158.24
Cash expenses								
Seed	7.63	6.77	6.30	5.73	5.84	5.84	5.81	8.21
Fertilizer, lime, and gypsum	17.11	16.68	14.49	13.52	13.80	18.15	14.16	16.43
Chemicals	7.86	7.97	8.11	8.14	7.77	7.93	7.88	12.16
Custom operations	3.41	3.39	3.49	3.68	3.64	3.77	3.72	6.13
Fuel, lube, and electricity	8.85	8.59	7.55	7.72	10.28	8.92	8.30	7.76
Repairs	15.21	13.87	14.08	14.25	14.91	15.02	14.58	14.24
Hired labor	3.98	4.40	4.50	4.65	4.88	5.23	5.18	1.97
Other variable cash expenses 3/	0.98	1.04	1.06	1.32	1.14	1.32	1.19	0.69
Total, variable cash expenses	65.03	62.71	59.58	59.01	62.26	66.18	60.82	67.59
General farm overhead	7.28	7.58	6.07	5.77	5.82	6.01	6.15	8.10
Taxes and insurance	12.86	12.13	11.14	10.39	10.70	10.70	10.89	6.77
Interest 4/	13.70	12.20	11.33	11.40	11.40	12.15	10.84	0.35
Total, fixed cash expenses	33.84	31.91	28.54	27.56	27.92	28.86	27.88	15.22
Total, cash expenses	98.87	94.62	88.12	86.57	90.18	95.04	88.70	82.81
Gross value of production less cash expenses listed	42.02	-0.12	-6.15	-11.51	-19.34	-16.99	-16.52	75.43
Harvest-period price (dollars/bu.)	2.82	2.11	1.69	1.73	1.59	1.83	2.14	2.82
Yield (bu./planted acre)	49.29	43.52	47.28	42.35	43.28	41.52	32.64	54.65

1/ Data for 1996-2002 refer to the Northern Plains Region which includes Minnesota, North Dakota, South Dakota, Montana, and Wyoming.

2/ Data for 2003 refer to the Northern Great Plains Region which includes North Dakota, portions of Nebraska, Colorado, Wyoming, South Dakota, Montana, and Minnesota Ag. Statistics District 10.

3/ Cost of purchased irrigation water and baling.

4/ Data for 2003 includes interest on operating inputs only.

Source: Economic Research Service, United States Department of Agriculture, Washington, D.C.

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