



North Dakota

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CROP PRODUCTION

North Dakota Soybean production is forecast at 107 million bushels, up 3 percent from the August forecast but

down 11 percent from last year. Yields are expected to average 35 bushels per harvested acre, up 1 bushel from the August forecast and 4 bushels from last year. Area to be harvested is estimated at 3.05 million acres, down 21 percent from 2006.

Corn for grain production is forecast at a record high 279 million bushels, up 2 percent from the August forecast and 80 percent above last year. Corn for grain yields are expected to average 127 bushels per harvested acre, up 2 bushels from the August forecast and 16

bushels from last year. Acreage to be harvested for grain is estimated at a record high 2.20 million, up 57 percent from 2006.

Sugarbeet production is forecast at 5.68 million tons, down 1 percent from the August forecast and 10 percent below last year. The average yield per harvested acre is expected to be 23.0 tons, down 0.2 tons from the August forecast and 3.0 tons below 2006. Area to be harvested is estimated at 247,000 acres, up 2 percent from last year.

**Crop Summary: Area Planted and Harvested
North Dakota and United States, 2006 and Forecasted September 1, 2007^{1/}**

Crop	North Dakota				United States			
	Area Planted		Area Harvested		Area Planted		Area Harvested	
	2006	2007	2006	2007	2006	2007	2006	2007
	1,000 Acres	1,000 Acres	1,000 Acres	1,000 Acres	1,000 Acres	1,000 Acres	1,000 Acres	1,000 Acres
Barley	1,100	1,450	995	1,350	3,452	4,044	2,951	3,542
Corn for Grain ^{2/}	1,690	2,500	1,400	2,200	78,327	92,888	70,648	85,418
Corn for Silage			220				6,477	
Hay, All			2,720	3,000			60,807	61,789
Alfalfa			1,450	1,550			21,384	21,451
All Other			1,270	1,450			39,423	40,338
Oats	420	500	120	220	4,168	3,860	1,576	1,612
Rye ^{3/}					1,396	1,354	274	306
Wheat, All	8,800	8,170	8,290	7,895	57,344	60,505	46,810	52,084
Winter	200	370	180	345	40,575	45,136	31,117	37,188
Durum	1,300	1,500	1,260	1,450	1,870	2,225	1,815	2,163
Spring	7,300	6,300	6,850	6,100	14,899	13,144	13,878	12,733
Canola	940	1,050	935	1,020	1,044	1,165	1,021	1,124
Flaxseed	750	420	715	410	813	465	767	453
Mustard Seed ^{3/}					40.5	57.5	39.2	54.8
Rapeseed ^{3/}					1.4	1.4	1.0	1.2
Safflower ^{3/}					189.0	170.0	179.0	162.5
Soybeans	3,900	3,100	3,870	3,050	75,522	64,081	74,602	63,265
Sunflower, All	900	960	860	925	1,950	1,864	1,770	1,765
Oil	770	790	740	765	1,658	1,540	1,514	1,465
Non-oil	130	170	120	160	292	324	256	300
Sugarbeets	261	257	243	247	1,366.2	1,266.0	1,303.6	1,241.4
Dry Edible Beans, All	670.0	670.0	640.0	640.0	1,629.8	1,504.8	1,537.6	1,439.8
Navy	120.0	95.0	113.0	224.4	280.7	224.4	263.9	
Great Northern	7.5	8.0	6.5		69.7	58.8	59.3	
Pinto	453.0	484.0	435.0		690.9	678.2	652.6	
Dark Red Kidney	2.0	1.5	1.9		48.8	43.3	46.4	
Pink	20.0	13.0	19.4		45.3	29.0	43.4	
Small Red	6.0	5.0	5.7		35.5	28.9	34.4	
Black	46.0	45.0	44.0		167.4	173.2	159.3	
Chickpeas, All (Garbanzo)	13.0	16.5	12.2		136.8	125.6	132.9	
Small	7.5	3.5	7.0		17.4	10.1	16.3	
Large	5.5	13.0	5.2		119.4	115.5	116.6	
Other	2.5	2.0	2.3		154.7	143.4	145.4	
Dry Edible Peas	610	510	590	490	925.5	880.5	884.1	834.3
Lentils	160	110	148	104	429.0	305.0	407.0	293.0
Fall Potatoes, All	100.0	95.0	98.0	90.0	993.7	1,009.2	983.0	996.2
Irrigated ^{4/5/}	34.0		33.5					
Types, Reds ^{5/}	22.5	19.0	22.0					
Whites ^{5/}	30.5	26.5	30.0					
Yellows ^{5/6/}		0.5						
Russets ^{5/}	47.0	49.0	46.0					

^{1/} Data are latest estimates available. ^{2/} Area planted for all purposes. ^{3/} Published at U.S. level only. ^{4/} Included in all potatoes. ^{5/} Published at state level only. ^{6/} Estimates began in 2007.

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CROP PRODUCTION (Continued)

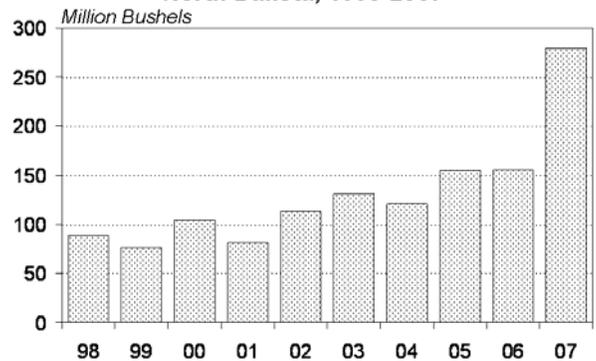
United States

Corn production is forecast at 13.3 billion bushels, up 2 percent from last month and 26 percent above 2006. Based on conditions as of September 1, yields are expected to average 155.8 bushels per acre, up 3.0 bushels from August and 6.7 bushels above last year. If realized, this would be the second highest yield on record, behind the 160.4 bushel yield in 2004.

Soybean production is forecast at 2.62 billion bushels, down slightly from the August forecast and down 18 percent from last year's record high. Based on September 1 conditions, yields are expected to average 41.4 bushels per acre, down 0.1 bushel from last month and down 1.3 bushels from last year.

Sugarbeet production is forecast at 30.1 million tons, 1 percent above the August forecast but 12 percent below last year's production of 34.1 million tons. The yield is forecast at 24.2 tons per acre, up 0.2 ton from last month but down 1.9 tons from the 2006 record high yield.

**Corn for Grain: Production
North Dakota, 1998-2007**



**Crop Summary: Yield and Production
North Dakota and United States, 2006 and Forecasted September 1, 2007^{1/}**

Crop	Unit	North Dakota					United States				
		Yield			Production		Yield			Production	
		2006	2007		2006	2007	2006	2007		2006	2007
			Aug 1	Sep 1				Aug 1	Sep 1		
					1,000	1,000				1,000	1,000
Barley ^{2/}	Bu	49.0	59.0	59.0	48,755	79,650	61.0	63.1	63.1	180,051	223,478
Corn for Grain	Bu	111.0	125.0	127.0	155,400	279,400	149.1	152.8	155.8	10,534,868	13,307,999
Corn for Silage	Tons	5.9			1,298		16.2			104,849	
Hay, All ^{2/}	Tons	1.15	1.81	1.81	3,137	5,420	2.33	2.35	2.35	141,666	145,251
Alfalfa ^{2/}	Tons	1.20	2.00	2.00	1,740	3,100	3.35	3.26	3.26	71,666	69,904
All Other ^{2/}	Tons	1.10	1.60	1.60	1,397	2,320	1.78	1.87	1.87	70,000	75,347
Oats ^{2/}	Bu	41.0	64.0	64.0	4,920	14,080	59.5	61.0	61.0	93,764	98,341
Rye ^{3/}	Bu						26.3			7,193	
Wheat, All ^{2/}	Bu	30.4			251,770		38.7	40.6	40.6	1,812,036	2,114,024
Winter ^{2/}	Bu	44.0			7,920		41.7	41.3	41.3	1,298,081	1,537,262
Durum ^{2/}	Bu	25.0	32.0	32.0	31,500	46,400	29.5	35.5	35.5	53,475	76,689
Spring ^{2/}	Bu	31.0	39.0	39.0	212,350	237,900	33.2	39.3	39.3	460,480	500,073
Canola	Lbs	1,370			1,280,950		1,366			1,394,332	
Flaxseed	Bu	14.5			10,368		14.4			11,019	
Mustard Seed ^{3/}	Lbs						720			28,220	
Rapeseed ^{3/}	Lbs						1,100			1,100	
Safflower ^{3/}	Lbs						1,069			191,405	
Soybeans	Bu	31.0	34.0	35.0	119,970	106,750	42.7	41.5	41.4	3,188,247	2,618,796
Sunflower, All	Lbs	1,296			1,114,800		1,211			2,143,613	
Oil	Lbs	1,260			932,400		1,181			1,787,966	
Non-oil	Lbs	1,520			182,400		1,389			355,647	
Sugarbeets	Tons	26.0	23.2	23.0	6,318	5,681	26.1	24.0	24.2	34,064	30,090
Dry Edible Beans, All ^{2/ 4/}	Cwt	1,200	1,500	1,500	7,680	9,600	1,577	1,649	1,649	24,247	23,741
Navy ^{4/}	Cwt	1,400			1,585		1,649			4,353	
Great Northern ^{4/}	Cwt	1,080			70		2,007			1,190	
Pinto ^{4/}	Cwt	1,150			4,988		1,474			9,618	
Dark Red Kidney ^{4/}	Cwt	1,630			31		1,774			823	
Pink ^{4/}	Cwt	1,430			277		1,684			731	
Small Red ^{4/}	Cwt	1,190			68		1,887			649	
Black ^{4/}	Cwt	1,180			520		1,670			2,661	
Chickpeas, All (Garbanzo) ^{4/}	Cwt	910			111		1,158			1,539	
Small ^{4/}	Cwt	690			48		914			149	
Large ^{4/}	Cwt	1,210			63		1,192			1,390	
Other ^{4/}	Cwt	1,300			30		1,845			2,683	
Dry Edible Peas ^{4/}	Cwt	1,580			9,322		1,493			13,203	
Lentils ^{4/}	Cwt	820			1,214		797			3,244	
Fall Potatoes, All	Cwt	260			25,480		406			398,921	
Irrigated ^{5/ 6/}	Cwt	400			13,400						
Types, Reds ^{6/}	Cwt	174			3,830						
Whites ^{6/}	Cwt	185			5,550						
Yellows ^{6/ 7/}	Cwt										
Russets ^{6/}	Cwt	350			16,100						

1/ Data are latest estimates available. 2/ No forecast made September 1, estimates carried forward from August. 3/ Published at U.S. level only. 4/ Yield in pounds. 5/ Included in all potatoes. 6/ Published at state level only. 7/ Estimates began in 2007.

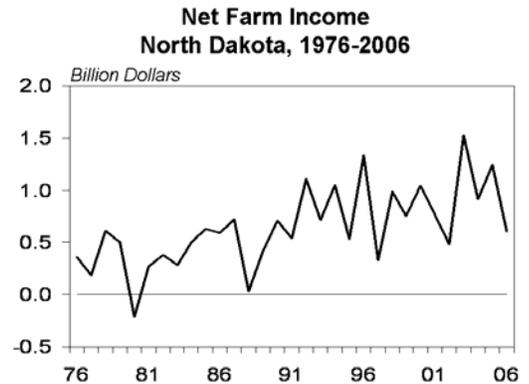
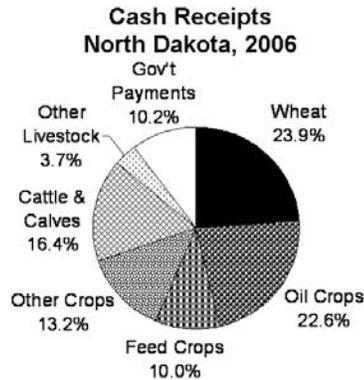
FARM INCOME

North Dakota Cash receipts from farm marketings in 2006 totaled \$4.43 billion, down 5.2 percent from 2005 but up 1.7 percent from 2004. Receipts from crop marketings rose 8.0 percent while livestock marketing receipts fell 9.7 percent from 2005. Government payments for 2006 were down 45.6 percent from the previous year.

Wheat was the largest contributor to cash receipts in 2006, accounting for 23.9 percent of the total, up from 22.5 percent a year earlier. Cattle and calves were second, with 16.4 percent of the total, down from 17.1 percent in 2005. Soybeans were third, with 13.3 percent of the total cash receipts, up from 10.1 percent in 2005.

Net farm income for North Dakota totaled \$606 million in 2006, down from \$1.24 billion in 2005 and \$915 million in 2004. Value of Agricultural Sector Production for the State totaled \$4.37 billion in 2006, down from \$4.50 billion in 2005. The Value of Crop Production for 2006 fell 8.1 percent from 2005 while the Value of Livestock Production rose 4.5 percent from the previous year. Net Government Transactions totaled \$224 million, down from \$618 million in 2005. Purchased Inputs for 2006, at \$2.58 billion, were up from 2005's \$2.46 billion. Net income per farm for North Dakota averaged \$19,996 in 2006 compared with \$41,046 in 2005 and \$30,197 in 2004.

Value of Agricultural Sector Production is the gross value of the commodities and services produced within a year. Net Government Transactions is direct government payments minus motor vehicle registration and licensing fees and property taxes. Payment to Stakeholders is the total of employee compensation (total hired labor), net rent received by non-operators landlords, and interest paid for real estate and non real estate. Net Farm Income is the farm operator's share of income from the sector's production activities.



Cash Receipts from Farm Marketings, North Dakota, 2004-2006

Item	2004	2005	2006	2006 as Pct of Total
	<i>1,000 Dollars</i>	<i>1,000 Dollars</i>	<i>1,000 Dollars</i>	<i>Pct</i>
Crops	2,956,438	2,858,549	3,088,353	69.7
Wheat	1,020,649	1,052,564	1,060,372	23.9
Soybeans	425,571	471,523	588,176	13.3
Corn	256,372	192,328	269,708	6.1
Sugarbeets	191,417	224,746	224,746	5.1
Sunflower	155,185	132,605	189,019	4.3
Canola	150,192	128,554	145,948	3.3
Potatoes	129,904	130,081	137,370	3.1
Dry Edible Beans	148,705	119,084	135,483	3.1
Barley	214,857	145,801	110,203	2.5
Flaxseed	76,492	99,145	73,393	1.7
Hay	88,396	64,232	55,914	1.3
Dry Edible Peas	37,331	44,228	42,076	0.9
Lentils	18,418	20,104	22,469	0.5
Oats	8,993	6,922	8,021	0.2
Other Crops	33,956	26,632	25,455	0.6
Livestock and Products	938,388	988,087	892,375	20.1
Cattle and Calves	738,975	799,083	726,132	16.4
Milk	83,945	68,550	57,375	1.3
Hogs	42,112	49,571	41,269	0.9
Honey	31,028	27,609	23,310	0.5
Turkeys	10,560	10,989	14,338	0.3
Sheep and Lambs	7,249	7,949	6,414	0.1
Wool	559	414	417	0.0
Other livestock	23,960	23,922	23,120	0.5
All Commodities	3,894,826	3,846,636	3,980,728	89.8
Government Payments	466,955	832,506	453,076	10.2
Grand Total	4,361,781	4,679,142	4,433,804	100.0

Source: Economic Research Service, USDA

Value Added to the Agricultural Sector, North Dakota, 2004-2006

Item	2004	2005	2006
	<i>1,000 Dollars</i>	<i>1,000 Dollars</i>	<i>1,000 Dollars</i>
Value of Agricultural Sector Production	4,255,211	4,500,898	4,372,808
Value of Crop Production	2,921,118	3,116,750	2,863,994
Value of Livestock Production	904,496	1,002,191	1,047,362
Revenues from Services and Forestry	429,596	381,958	461,452
Less: Purchased Inputs	2,331,344	2,461,211	2,581,900
Plus: Net Government Transactions	261,729	617,766	223,819
Less: Capital Consumption	512,786	544,092	562,120
Less: Payments to Stakeholders	757,851	869,679	846,725
Net Farm Income (Total)	914,959	1,243,682	605,882
Per Farm (Dollars)	30,197	41,046	19,996

Source: Economic Research Service, USDA

FARM COMPUTER USAGE

North Dakota

A total of 63 percent of North Dakota farms now have Internet access, compared with 58 percent in 2005 when internet access was last measured. This is according to a survey conducted of farm and ranch operators in early June. North Dakota operators using computers for their farm business increased from 41 percent in 2005 to 44 percent in 2007. Sixty-seven percent of all North Dakota farms have computer access in 2007, up from 65 percent in 2005.

Only 9 percent of North Dakota farms use the Internet to purchase agricultural inputs, up from both 2005 and 2003 at 6 and 8 percent, respectively. Ten percent use the Internet to conduct agricultural marketing activities, equal to 2005.

North Dakota farm operators indicated they had shifted their primary method of accessing the Internet, moving away from dialup and towards Digital Subscriber Line (DSL). DSL access over the last two years almost doubled. Internet access by method are as follows: DSL, 40 percent; dialup, 35 percent; satellite, 9 percent; cable, 8 percent; wireless, 6 percent; and all other, 2 percent. Thirty-four percent of North Dakota farm operators indicated that they had conducted non-agricultural business via the Internet in the last 12 months.

Internet access for the neighboring states has Minnesota at 64 percent; South Dakota at 55 percent; and Montana 70 percent in 2007.

United States

A total of 55 percent of farms now have Internet access, compared with 51 percent in 2005. Sixty-three percent of farms have access to a computer in 2007, compared with the 2005 level of 59 percent. The proportion of farms owning or leasing a computer in 2007, at 59 percent, is up slightly from 55 percent in 2005. Farms using computers for their farm business increased 3 percentage points from 2005 to 35 percent in 2007. The proportion of operators using DSL doubled in 2007, at 27 percent, compared with the 2005 level of 13 percent. Dialup was again the most common method of accessing the Internet, with nearly half (47 percent) of farms still using it, down from 69 percent in 2005.

In 2007, 80 percent of farms with sales and government payments of \$250,000 or more have access to a computer, 78 percent own or lease a computer, 66 percent are using a computer for their farm business, and 75 percent have Internet access. For farms with sales and government payments between \$100,000 and \$249,999, the figures are: 70 percent have access to a computer, 66 percent own or lease a computer, 51 percent are using a computer for their farm business, and 61 percent have Internet access. For farms with sales and government payments between \$10,000 and \$99,999, 62 percent reported having computer access, 57 percent own or lease a computer, 36 percent use a computer for their farm business, and 53 percent have Internet access.

**Farm Computer Usage: By Type of Farm
Selected States/Regions and United States, 2003, 2005 and 2007**

States/Regions	Percent of Farms								
	With Computer Access			Using Computers for Farm Business			With Internet Access		
	2003	2005	2007	2003	2005	2007	2003	2005	2007
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
North Dakota	61	65	67	39	41	44	53	58	63
Minnesota	64	65	71	34	35	38	52	56	64
Montana	72	75	75	44	45	45	63	70	70
South Dakota	61	66	65	33	40	40	45	55	55
North Central ^{1/}	61	61	65	34	36	38	50	52	57
Crop Farms	61	62	65	34	37	39	50	53	57
Livestock Farms	61	60	64	33	35	35	49	50	57
West ^{2/}	70	69	70	41	40	44	60	62	63
Crop Farms	69	67	67	43	42	43	59	60	61
Livestock Farms	70	71	72	39	39	44	60	64	64
United States ^{3/}	58	59	63	30	32	35	48	51	55
Crop Farms	60	60	64	33	34	37	49	52	56
Livestock Farms	56	58	62	27	30	33	47	50	55

1/ Includes IL, IN, IA, KS, MI, MN, MO, NE, ND, OH, SD, and WI. 2/ Includes AZ, CA, CO, ID, MT, NV, NM, OR, UT, WA, and WY. 3/ Excludes AK and HI.

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