



Wheat Estimating Program

National
Agricultural
Statistics
Service

Washington Field Office

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General: The National Agricultural Statistics Service publishes estimates for winter and spring wheat spanning the crop year. This document shows some of the estimates for the years 2003-2007 and the dates for release of the 2008 estimates. Included are data for:

- . . . the weekly percent of spring wheat and winter wheat and winter wheat seeded, emerged, headed and harvested,
- . . . winter and spring wheat acreage, yield and production by county, and
- . . . winter and spring wheat acreage, production, price and value.

Below is a discussion of how the estimates are prepared.

Surveys: The survey data used to estimate wheat comes from a series of probability and non-probability surveys conducted throughout the year. A general description of a probability survey is one for which every farming operation has a known probability of being selected and when selected, represents a known number of similar operations throughout the state. Probability surveys produce not only indications for a particular category, but an estimated sampling error associated with each of those indications. Survey information is gathered voluntarily from wheat growers across the State of Washington, except for the price data, which are collected from grain elevators. All individual data collected through any of these surveys are held in the strictest confidence and are used only in combination with other reports to generate state and county level estimates.

Acreage estimates for winter wheat start in December and are updated in March along with the first indication of spring wheat acreage. Acreage is then reviewed using survey data collected in June, with the end-of-year estimates being published in early October.

Yield per acre estimates are based on both data reported by producers, as well as data collected from field observations. Monthly probability yield surveys, conducted from May through August, collect information from producers about their expected yields. Another monthly probability survey, Wheat Objective Yield, collects field observations for winter wheat. Small plots are laid out in about 160 randomly selected fields across the State. Counts are made and clippings are taken for analysis up until harvest. Gross yield per acre and post harvest loss are combined to determine an indication of net yield per acre.

Winter and spring wheat crop progress and conditions are collected and published on a weekly basis throughout the year along with selected weather data. Stocks on hand are estimated four times a year for all wheat. Prices received by farmers are estimated monthly and are then used to derive a market-year average price. County level estimates for acreage, yield, and production are prepared after the annual summary is released in January. Data for the county estimates come from a combination of all the above-mentioned survey data, as well as a very large end-of-the-year acreage and production survey. County Extension Agents and Farm Service Administrators also provide supplemental data.

Percent Seeded and Emerged, Winter Wheat, Washington, 2003-2007 1/

Activity and Year	SEPTEMBER					OCTOBER				NOVEMBER		
	2	9	16	23	30	7	14	21	28	4	11	18
Seeded												
2003	14	31	42	52	67	75	87	96	99	100	-	-
2004	18	27	45	54	70	84	94	98	99	100	-	-
2005	15	24	40	52	74	79	87	95	97	99	-	-
2006	-	29	45	68	73	85	92	96	98	100	-	-
2007	15	39	50	60	69	84	90	93	99	100	-	-
2003-2007 Average	16	30	44	57	71	81	90	96	98	100	100	100
Emerged												
2003	-	-	-	17	33	39	61	78	84	89	95	97
2004	-	-	22	32	46	63	81	85	91	93	95	97
2005	-	-	15	25	40	44	48	68	72	90	93	94
2006	-	-	-	20	44	58	72	74	79	91	97	98
2007	-	-	20	23	43	55	60	74	86	89	91	93
2003-2007 Average	-	-	19	23	41	52	64	76	82	90	94	96

1/ Available at www.usda.gov/nass every week between April and November, on Tuesdays at 12:00pm ET.

Winter Wheat
Acreage, Yield & Production, By Counties, Washington, 2007

County and District	Harvested for Grain										
	Total		Acres			Yield Per Acre			Production		
	Irr	Non Irr	Irr	Non Irr	Total	Irr	Non Irr	Total	Irr	Non Irr	Total
COUNTY			Acres			Bushels			Bushels		
Adams	252,800	30,100	220,900	251,000	106.2	48.6	55.5	3,197,000	10,728,400	13,925,400	
Asotin	17,700	-/	17,500	17,500	-/	44.2	44.2	-/	773,100	773,100	
Benton	79,800	16,000	62,000	78,000	130.0	40.0	58.5	2,080,000	2,480,000	4,560,000	
Columbia	66,000	1/	1/	64,500	1/	1/	74.0	1/	1/	4,771,200	
Douglas	166,500	1/	1/	163,000	1/	1/	46.2	1/	1/	7,536,000	
Franklin	62,500	1/	1/	61,000	1/	1/	60.6	1/	1/	3,697,600	
Garfield	55,100	1/	1/	54,000	1/	1/	55.5	1/	1/	2,995,900	
Grant	83,500	23,500	58,500	82,000	93.2	47.5	60.6	2,190,200	2,780,400	4,970,600	
Klickitat	21,500	1/	1/	21,000	1/	1/	38.0	1/	1/	798,300	
Lincoln	276,200	14,100	257,900	272,000	90.7	60.1	61.6	1,278,800	15,488,600	16,767,400	
Okanogan	8,000	-/	1/	8,000	-/	1/	48.3	-/	1/	386,300	
Spokane	93,000	1/	1/	92,500	1/	1/	62.7	1/	1/	5,797,300	
Stevens	3,500	-/	1/	3,500	-/	1/	55.5	-/	1/	194,200	
Walla Walla	188,400	10,500	172,500	183,000	75.4	76.1	76.0	792,000	13,121,100	13,913,100	
Whitman	329,300	1/	1/	323,000	1/	1/	80.1	1/	1/	25,860,900	
Yakima	12,600	6,000	6,400	12,400	119.0	30.0	73.1	714,000	192,000	906,000	
Other Co.	3,600	16,300	777,800	3,600	119.0	64.8	85.2	1,939,000	50,405,400	306,700	
DISTRICT											
West	3,500	-/	3,500	3,500	-/	85.9	85.9	-/	300,500	300,500	
Central	122,000	23,000	96,500	119,500	125.8	39.0	55.7	2,894,000	3,762,800	6,656,800	
Northeast	96,500	1,000	95,000	96,000	69.0	62.3	62.4	69,000	5,922,500	5,991,500	
East Central	841,500	82,000	747,000	829,000	102.9	51.5	56.6	8,436,000	38,461,000	46,897,000	
Southeast	656,500	10,500	631,500	642,000	75.4	75.3	75.3	792,000	47,522,200	48,314,200	
STATE TOTAL	1,720,000	116,500	1,573,500	1,690,000	104.6	61.0	64.0	12,191,000	95,969,000	108,160,000	

1/ Included in "Other Counties" category. "Other Counties" is a combination of counties that could not be published, plus the irrigated and non-irrigated practice data that could not be published at the county level.
 -/ Not Applicable.



Spring Wheat
Acreage, Yield & Production, By Counties, Washington, 2007

County and District	Harvested for Grain									
	Acres			Yield Per Acre			Production			
	Total Planted	Irr	Non Irr	Total	Irr	Non Irr	Total	Irr	Non Irr	Total
COUNTY	Acres			Bushels			Bushels			
Adams	30,400	9,900	20,500	30,400	56.6	20.0	31.9	560,500	410,000	970,500
Asotin	2,800	-/	2,800	2,800	-/	16.0	16.0	-/	44,700	44,700
Benton	12,900	5,000	7,900	12,900	97.0	50.0	68.2	485,000	395,000	880,000
Columbia	24,000	1/	1/	24,000	1/	1/	42.9	1/	1/	1,030,000
Douglas	8,400	1/	1/	8,400	1/	1/	24.9	1/	1/	209,500
Franklin	6,300	1/	1/	6,300	1/	1/	91.0	1/	1/	573,000
Garfield	20,300	-/	1/	20,300	-/	1/	31.9	-/	1/	648,300
Grant	19,800	16,200	3,600	19,800	90.2	23.0	77.8	1,458,100	82,900	1,541,000
Klickitat	24,700	1/	1/	24,700	1/	1/	26.1	1/	1/	643,700
Lincoln	92,600	5,900	85,700	91,600	111.2	28.6	33.9	656,200	2,452,300	3,108,500
Okanogan	2,000	1/	1/	2,000	1/	1/	25.0	1/	1/	50,000
Spokane	46,600	1/	1/	45,600	1/	1/	42.9	1/	1/	1,956,900
Stevens	800	-/	800	800	-/	34.0	34.0	-/	27,200	27,200
Walla Walla	31,300	7,900	23,400	31,300	99.0	64.0	72.9	782,000	1,498,500	2,280,500
Whitman	121,100	1/	1/	120,100	1/	1/	51.8	1/	1/	6,220,500
Yakima	4,700	2,800	1,900	4,700	82.9	30.0	61.5	232,100	57,000	289,100
Other Cos.	1,300	8,800	243,900	1,300	87.7	43.7	68.2	771,400	10,649,100	88,600
DISTRICTS										
West	500	-/	500	500	-/	80.0	80.0	-/	40,000	40,000
Central	45,000	9,000	36,000	45,000	88.5	30.9	42.4	796,800	1,110,700	1,907,500
Northeast	47,500	500	46,000	46,500	60.0	42.6	42.8	30,000	1,958,000	1,988,000
East Central	157,500	37,500	119,000	156,500	86.4	26.6	40.9	3,238,500	3,164,000	6,402,500
Southeast	199,500	9,500	189,000	198,500	92.6	49.4	51.5	880,000	9,344,000	10,224,000
STATE TOTAL	450,000	56,500	390,500	447,000	87.5	40.0	46.0	4,945,300	15,616,700	20,562,000

1/ Included in "Other Counties" category. "Other Counties" is a combination of counties that could not be published, plus the irrigated and non-irrigated practice data that could not be published at the county level.
-/ Not applicable.



Percent Seeded and Emerged, Spring Wheat, Washington, 2003-2007

Activity and Year	APRIL					MAY			
	1	8	15	22	29	6	13	20	27
Seeded									
2003	36	52	66	83	94	97	100	-	-
2004	54	76	93	98	99	100	-	-	-
2005	64	79	89	93	99	99	100	-	-
2006	32	39	45	53	71	90	96	99	100
2007	28	40	56	74	80	97	99	100	-
2003-2007 Avg.	43	57	70	80	89	97	99	100	100
Emerged									
2003	7	13	24	49	66	80	88	95	-
2004	19	46	66	78	85	90	95	99	-
2005	21	35	45	54	64	80	82	97	-
2006	15	19	28	34	47	55	67	79	96
2007	5	11	18	35	40	65	87	97	98
2003-2007 Avg.	13	25	36	50	60	74	84	93	97

Percent Headed, Winter and Spring Wheat, Washington, 2003-2007

Activity and Year	APRIL	MAY				JUNE				JULY	
	29	6	13	20	27	3	10	17	24	1	8
Headed	WINTER WHEAT										
2003	2	4	10	17	32	58	80	94	99	-	-
2004	4	7	10	25	54	67	88	92	99	100	-
2005	7	13	27	34	56	83	94	98	99	99	100
2006	2	10	16	23	38	58	84	89	99	100	100
2007	-	2	6	19	40	65	85	87	98	100	-
2003-2007 Avg.	4	7	14	24	44	66	86	92	99	100	100
Headed	SPRING WHEAT										
2003	-	-	-	-	9	13	28	52	81	96	100
2004	-	-	-	1	12	27	47	59	85	98	99
2005	-	-	2	4	14	40	57	75	92	97	99
2006	-	-	-	-	5	11	36	38	59	70	87
2007	-	-	-	-	3	21	37	44	66	81	98
2003-2007 Avg.	-	-	2	3	9	22	41	54	77	88	97

Percent Harvested, Winter and Spring Wheat, Washington, 2003-2007

Activity and Year	JULY				AUGUST				SEPTEMBER		
	8	15	22	29	5	12	19	26	2	9	16
	WINTER WHEAT										
Harvested											
2003	2	8	16	38	61	79	91	98	100	-	-
2004	3	6	14	32	52	73	85	90	97	99	-
2005	2	7	15	37	55	65	76	88	98	100	100
2006	-	3	19	30	55	78	83	95	98	100	100
2007	3	6	19	38	58	84	90	97	99	100	-
2003-2007 Avg.	3	6	17	35	56	76	85	94	98	100	100
	SPRING WHEAT										
Harvested											
2003	2	3	6	17	37	65	85	96	99	100	-
2004	-	-	3	21	39	61	79	88	97	99	99
2005	-	-	7	20	40	52	70	82	94	99	100
2006	-	-	-	9	28	54	69	88	94	99	100
2007	-	-	3	16	36	55	76	88	96	99	100
2003-2007 Avg.	2	3	5	17	36	57	76	88	96	99	100

Wheat: Acreage, Production, Price, and Value, Washington, 2003-2007

Crop And Year	Acreage		Yield Per Acre	Production	Avg. Price Per Unit	Value of Production	Value Per Harv. Acre
	Planted	Harvested					
	1,000 Acres		Bushels	1,000 Bushels	\$ Per Bushel	\$1,000	\$ Per Acre
Wheat, Winter							
2003	1,850	1,800	65	117,000	3.70	432,900	241
2004	1,800	1,750	67	117,250	3.58	419,755	240
2005	1,850	1,800	67	120,600	3.21	387,126	215
2006	1,850	1,800	66	118,800	4.42	525,096	292
2007	1,720	1,690	64	108,160	7.60	822,016	486
Wheat, Spring							
2003	550	545	41	22,345	3.95	88,263	162
2004	530	525	50	26,250	3.99	104,738	200
2005	430	425	44	18,700	3.70	69,190	163
2006	430	425	50	21,250	4.65	98,813	233
2007	450	447	46	20,562	7.60	156,271	350
Wheat, All 1/							
2003	2,400	2,345	59.4	139,345	3.75	521,163	222
2004	2,330	2,275	63.1	143,500	3.68	524,493	231
2005	2,280	2,225	62.6	139,300	3.32	456,316	205
2006	2,280	2,225	62.9	140,050	4.49	625,821	281
2007	2,170	2,137	60.2	128,722	7.60	978,287	458

1/ Excludes durum.

Wheat Estimating Program for Washington, 2008 Crop

DATE	REPORT	WINTER WHEAT			SPRING WHEAT		
		Planted Acreage	Harvested Acreage	Yield/ Production	Planted Acreage	Harvested Acreage	Yield/ Production
1/11/08	Winter Wheat Seedings	X					
3/31/08	Prospective Plantings	X			X		
5/09/08	Crop Production	X	X	X			
6/10/08	Crop Production	X	X	X			
6/30/08	Acreage Report	X	X		X		
7/11/08	Wheat Variety Report	1/			1/		
7/11/08	Crop Production	X	X	X	X	X	X
8/12/08	Crop Production	X	X	X	X	X	X
9/30/08	Small Grains Annual Report	X	X	X	X	X	X
1/09	Annual Summary	X	X	X	X	X	X
2/09	County Estimates	2/	2/	2/	2/	2/	2/

Estimate not made for shaded areas. Unless noted, all estimates are at the state level.

1/ Estimates made for Agricultural Statistics Districts, by variety, preliminary planted acreage by county.

2/ Estimates made for Counties.

<u>ALL WHEAT</u>	<u>REFERENCE DATE</u>	<u>DATE RELEASED</u>	<u>REPORT</u>	<u>LEVEL</u>
Stocks	December 1	January 11, 2008	Grain Stocks	State
	March 1	March 31, 2008	Grain Stocks	State
	June 1	June 30, 2008	Grain Stocks	State
	September 1	September 30, 2008	Grain Stocks	State

Production by Class - U.S. level only corresponding to Crop Production: State Data in Annual Summary

Prices	Mid-month*	Last Work Day of Month	Agricultural Prices	State/National
	Full-month**			
	Marketing Year Average	July 31, 2008	Agricultural Prices	National
		August 29, 2008	Agricultural Prices	State

* Mid-month prices should reflect the average price received by farmers during the 14th-17th of the current month.

** Full month prices should reflect the average price received by farmers for the entire previous month for all methods of sales.