



**Department Mission**

*"To protect producers and consumers and to enhance and develop agriculture and allied industries."*

**Director Ron de Yong, (406) 444-3144**

Central Services Administrator: Libbi H. Lovshin

Attorney: Cort Jensen

Public Information Officer: Ron Zellar

**Department Programs & Background**

Montana Department of Agriculture operates some 30 programs, many funded entirely through user fees. These include regulatory programs that protect producers, consumers and the environment, as well as development and marketing programs to foster growth in Montana agriculture. The Director's Office also serves as an advocate for Montana agriculture in national and international forums and works to make the department's programs accessible to the public.

**Agricultural Development Division**

Deputy Director/Administrator: Joel A. Clairmont, (406) 444-2402

<p><b>Ag Marketing &amp; Business Development Bureau</b></p>	<p><b>Rural Development Bureau</b></p>
<ul style="list-style-type: none"> <li>▪ Marketing and Business Assistance</li> <li>▪ Grants and Loans</li> <li>▪ Agriculture Curriculum Development</li> </ul>	<ul style="list-style-type: none"> <li>▪ Agricultural Finance</li> <li>▪ Agricultural Statistics</li> <li>▪ Commodity Check-off Programs</li> <li>▪ State Hail Insurance</li> </ul>
<p><b>Wheat &amp; Barley Bureau, Great Falls</b></p> <ul style="list-style-type: none"> <li>▪ Producer funded research and marketing</li> <li>▪ Hosts foreign buyers and delegations</li> </ul>	<p><b>State Grain Laboratory, Great Falls</b></p> <ul style="list-style-type: none"> <li>▪ Tests grain for quality</li> </ul>

**Food and Agriculture Development Centers** assisted 100 clients with regional food and farm-derived energy projects in FY 2010, helping to create or retain 150 employment positions.

**Growth Through Agriculture** grants and loans during FY 2010 totaled more than \$1.1 million to 42 businesses and individuals for value-added agriculture projects.

**Marketing assistance** during FY 2010 included 46 one-on-one company consultations; \$803,000 in trade show sales; and 28 promotions in out of state trade shows.

**Rural Development** finance programs have a combined loan portfolio of more than \$3.5 million.

**State Hail Insurance** insured 1,910,623 acres in 2010, down slightly from the previous year's record 2 million acres.

**State Grain Laboratory** completed nearly 25,000 tests for grade, protein, germination, baking qualities, vomitoxin and other characteristics on wheat, barley and 20 other commodities, including more than 2000 inspections on peas, beans and lentils. The Great Falls facility is the only federally licensed grain lab in Montana. A branch office is situated in Plentywood

**Wheat & Barley Committee** annually hosts an average of 13 foreign trade delegations and 63 visitors from seven nations that have an interest in purchasing Montana grains. The Committee represents producers on transportation issues, research, and market development.

## **Agricultural Sciences Division**

Administrator: Greg Ames, (406) 444-2944

### **Analytical Laboratory Bureau, Bozeman**

- Tests feed, pesticides, fertilizer, water

### **Commodity Services Bureau**

- Anhydrous Ammonia
- Feed/ Fertilizer
- Grain Warehouses & Auditing
- Organic Certification
- Produce/ Seed/ Seed Potatoes

### **Pest Management Bureau**

- Apiary/ Alfalfa Leaf Cutter Bees

- Export Certification

- Noxious Weeds
- Noxious Weed Seed Free Forage
- Nursery/ Quarantine
- Cooperative Ag Pest Survey

### **Technical Services Bureau**

- Groundwater
- Licensing and Registration
- Pesticides
- Special Pesticide Registrations
- Vertebrate Pests

## **The Department:**

- Licenses 451 pesticide dealers and registers 10,361 pesticide products.
- Licenses 6,598 private and 2,011 commercial and government pesticide applicators.
- Certifies 74 commercial honeybee operations and registers 5,200 apiary locations.
- Issues 750 plant health and export certificates, enabling products to be shipped to other states and countries. Licenses 976 nurseries to assure quality products.
- Issues 3,000 inspection certificates on 252 million pounds of potatoes shipped for seed.

**Analytical Laboratory**, operated jointly with MSU at Bozeman, reports about 125,500 individual test results annually on 3,200 feed, fertilizer, soil, plant tissue and water quality samples.

**Pesticide Disposal program** assists homeowners, businesses and producers in disposing of unwanted and unusable pesticides - a total of 289,666 pounds since 1994.

**Fertilizer program** registered 3,232 fertilizer and soil amending products and licensed 212 in-state and 224 out-of-state businesses in 2010. Reports indicate 620,800 tons of fertilizer were distributed in Montana during 2009.

**Organic program** annually inspects and certifies 107 farms and ranches and 35 food handlers as compliant with USDA organic standards. Organic certification allows access to local, national and international value-added markets for organic food products.

**Noxious Weed Trust Fund** annually distributes \$2.8 million in grants for weed management, research and education from automobile license weed management fund, federal grants and interest received on Noxious Weed Trust Fund principal.

## **Board, Councils and Committees**

The department receives advice from, and has attached to it, the following:

- Agriculture Development Council
- Alfalfa Seed Committee
- Cherry Advisory Committee
- Hail Insurance Board
- Mint Committee
- Noxious Weed Management Advisory Council
- Noxious Weed Seed Free Forage Advisory Council
- Noxious Weed Summit Advisory Council
- Organic Commodity Advisory Council
- Potato Advisory Committee
- Pulse Crop Advisory Committee
- Wheat & Barley Committee

## Crop, Livestock, and Weather Digest, 2009

**January:** Temperatures were above normal for the month with below normal precipitation. High temperatures were mostly in the 50s and 60s. St. Marie had the low of minus 38 degrees. Snow cover on winter wheat fields declined from December, but wind, freeze, and drought damage was minimal. At month's end, winter wheat conditions were 68 percent good to excellent, compared to 32 percent last year. Ninety-four percent of cattle and calves and ninety-five percent of sheep and lambs received supplemental feed. Calving and lambing had just begun.

**February:** Most of Montana received below normal moisture during February. Swan Lake had the most monthly accumulated precipitation at 2.59 inches. Temperatures were mostly above normal. Grass Range, Roundup, and Hardin reached the high of 64 degrees, and Wisdom had the low of minus 19. At the end of the month, winter wheat conditions were 59 percent good to excellent, ahead of last year's 35 percent. Calving and lambing were 20 percent and 9 percent complete, respectively. The number of livestock receiving supplemental feed remained high at month's end, nearly the same as last month.

**March:** Montana had moderate precipitation during March. High temperatures ranged from the 40s to the 70s. Scobey had the low of minus 33 degrees. At month's end, topsoil moisture conditions were 85 percent adequate to surplus, well above last year's 30 percent. Subsoil moisture conditions were 74 percent adequate to surplus, compared to last year's 24 percent. Winter wheat conditions were 56 percent good to excellent at the end of the month. Calving and lambing were 52 percent and 30 percent complete, respectively. Most livestock continued to receive supplemental feed.

**April:** Montana received sporadic snowstorms the first week and rain the third week. High temperatures around the state ranged from the 40s and 50s during the first part of the month to the 70s and 80s the last part. At month's end, topsoil and subsoil moisture conditions continued to be significantly ahead of last year. Winter wheat crop conditions were 64 percent good to excellent. Wet fields and cooler temperatures slowed down spring grains planting. By the end of the month, calving and lambing were 85 percent and 70 percent complete, respectively.

**May:** During the week ending May 3rd, a major spring snow storm across much of the state resulted in over 4,000 livestock deaths in Carter and Powder River counties. Warm, dry weather mid-month allowed farmers back into the fields for spring planting. Small grains were nearly all 90 percent or more seeded by the end of the month. Winter wheat crop conditions were 60 percent good to excellent. Range and pasture feed conditions were ahead of last year and the five-year average. Seventy-four percent of cattle and calves and sixty percent of sheep and lambs had been moved to summer ranges at month's end.

**June:** Montana had light to moderate precipitation during the month. Warm summer temperatures prevailed. At the end of the month, winter wheat crop conditions were 49 percent good to excellent, with 84 percent of the crop headed. Spring grains were in good to excellent condition. The first cutting of hay was in full swing. Ranchers had moved all cattle and sheep to summer pastures by month's end.

**July:** At the beginning of the month, the weather was hot and dry. Rain fell across the state the second and third weeks. Farmers started to harvest winter wheat at month's end. Several spring crops were near harvest. The first cutting of hay was almost complete. Pastures in many areas of the state received little precipitation at the end of the month and were drying out. Range and pasture feed conditions were behind last year and the five-year average.

**August:** The state had above average temperatures and heavy rainfall in many areas the first week. Wet fields and cooler temperatures the second week continued to delay harvest. Hot, dry conditions the rest of the month allowed producers back into the fields. At the end of the month, winter wheat harvest was 86 percent complete. Harvest of most small grains was well behind normal. Durum wheat was 15 percent harvested by month's end, compared to last year's 69 percent and the five-year average of 58 percent. Range and pasture feed conditions were 35 percent good to excellent.

**September:** Temperatures were above normal and precipitation was limited for most of the month. On September 30, Central and Southwest Montana set several new records for precipitation, including snowfall. Winter wheat harvest was wrapped up by mid-month. Small grains harvest and the second cutting of hay were nearing completion at month's end. Sugar beet crop conditions were 79 percent excellent to good and harvest was underway. Winter wheat seeding was 69 percent complete. By the end of the month, ranchers had moved 43 percent of livestock from summer ranges.

**October:** Montana received moderate precipitation much of October. High temperatures ranged from the 50s to the 70s. Cooler temperatures and moisture delayed the completion of durum wheat harvest until the end of the month. Sugar beet harvest was 65 percent complete, behind last year's 80 percent and the five-year average of 85 percent. Winter wheat seeding was nearly finished at month's end. Eighty-four percent of cattle and calves and ninety percent of sheep and lambs were moved from summer pastures.

**November:** The state had light to moderate precipitation and above normal temperatures during November. Huntley and Valentine tied for the high temperature at 78 degrees. At the end of the month, corn harvested for grain was 67 percent complete, ahead of last year's 56 percent. Winter wheat conditions were 48 percent good to excellent, compared to 67 percent the previous year. Ranchers had moved most livestock from summer ranges by month's end.

**December:** Montana received above normal moisture for December. West Glacier received the most monthly accumulated precipitation at 3.73 inches. Temperatures were below normal, with highs mostly in the 40s and 50s and lows ranging from negative 40 to negative teens. At month's end, winter wheat crop conditions were 34 percent good to excellent, behind last year's 75 percent. Due to cold weather and heavy snowfall, 85 percent of cattle and calves and 90 percent of sheep and lambs received supplemental feed at the end of the month.

### Climatological Data Annual and Growing Season Precipitation and Frost-Free Days, 2008-2009

STATIONS	COUNTY	PRECIPITATION in Inches						FROST FREE DAYS 1/		
		Annual			April – September			Growing Season		
		2008	2009	Normal 2/	2008	2009	Normal 2/	2008	2009	Average 3/
Big Sandy	Chouteau	12.17	8.61	13.82	9.40	5.98	10.54	137	112	97
Big Timber	Sweet Grass	15.51	--	16.11	12.45	10.05	11.25	144	130	126
Bigfork 13 S	Lake	18.42	--	21.87	11.56	7.02	12.47	152	160	152
Billings AP R	Yellowstone	13.89	10.91	14.77	9.73	6.48	9.58	159	156	150
Bozeman 6 W	Gallatin	15.37	17.38	16.45	10.70	12.01	11.39	88	107	101
Broadus	Powder River	19.84	--	13.59	15.86	--	9.49	89	129	119
Butte AP R	Silver Bow	10.01	12.53	12.78	7.05	9.35	9.03	81	77	73
Chester	Liberty	14.45	12.49	10.58	10.23	8.42	8.20	134	112	108
Chinook	Blaine	15.25	--	13.06	11.68	6.88	10.00	137	129	119
Circle	McCone	11.69	15.76	13.28	8.84	12.61	10.06	121	104	120
Columbus	Stillwater	15.60	14.04	15.67	12.02	8.56	10.56	95	111	125
Conrad	Pondera	14.27	--	12.06	11.13	--	9.12	97	112	93
Culbertson	Roosevelt	11.35	14.01	13.58	7.03	10.54	10.90	120	117	117
Cut Bank AP R	Glaciers	12.68	4.81	12.51	12.17	3.85	10.07	112	104	113
Dillon WMCE	Beaverhead	9.92	15.43	11.65	6.9	10.27	8.78	89	123	103
Ekalaka	Carter	20.95	15.60	17.25	15.39	8.55	12.39	118	129	123
Fairfield	Teton	--	10.96	12.50	11.51	8.03	9.85	120	112	133
Flatwillow 4 ENE	Petroleum	13.33	12.86	13.30	10.30	9.09	9.84	105	112	118
Forsyth	Rosebud	19.25	12.58	14.08	13.01	9.04	9.97	141	132	134
Fort Benton	Chouteau	--	11.80	13.69	--	8.04	10.04	--	93	131
Glasgow AP R	Valley	15.56	10.10	11.23	11.58	8.32	8.68	152	135	133
Glendive	Dawson	--	13.67	13.62	--	10.20	10.42	157	145	144
Great Falls AP R	Cascade	17.16	14.45	14.89	12.84	10.31	10.50	119	105	120
Hardin	Big Horn	--	--	12.07	--	5.22	8.08	--	106	133
Harlowton	Wheatland	13.43	--	14.08	11.24	9.59	10.73	--	--	111
Havre AP	Hill	11.97	8.75	11.46	9.19	6.74	8.35	137	109	125
Helena AP R	Lewis & Clark	9.24	10.25	11.32	6.31	7.13	8.19	151	134	121
Hysham 25 SSE	Treasure	15.19	--	14.37	10.77	--	9.63	31	--	135
Joliet	Carbon	13.07	--	15.77	9.49	--	10.24	88	--	120
Jordan	Garfield	--	--	12.90	--	--	9.59	--	104	122
Kalispell Glacier AP	Flathead	14.51	14.23	17.21	8.19	7.53	9.42	124	92	91
Kremlin	Hill	14.02	10.11	12.24	11.05	7.36	9.49	--	--	--
Lewistown AP R	Fergus	16.43	14.23	17.85	13.07	10.55	12.60	89	111	116
Livingston AP R	Park	11.56	15.24	15.73	9.34	11.92	11.26	118	111	105
Malta 7 E	Phillips	14.99	10.11	12.88	12.11	8.04	9.93	147	124	122
Medicine Lake 3 SE	Sheridan	--	--	12.99	--	11.83	10.43	--	123	125
Miles City AP R	Custer	11.35	10.25	13.49	8.79	8.56	9.97	159	135	143
Missoula AP R	Missoula	13.66	11.31	13.82	7.47	7.02	8.09	133	133	117
Opheim 12 SSE	Valley	--	--	11.94	8.55	7.57	9.89	87	102	110
Plentywood	Sheridan	--	--	13.15	--	9.47	10.39	--	--	116
Plevna	Fallon	14.00	16.42	14.69	9.88	12.47	10.67	120	--	114
Roundup	Musselshell	16.54	13.29	13.25	12.95	10.02	9.99	105	124	131
Saint Ignatius	Lake	18.88	--	16.54	12.84	--	10.34	121	123	131
Savage	Richland	12.96	14.63	13.96	8.80	10.58	10.89	159	138	126
Scobey 4 NW	Daniels	13.81	--	12.48	10.74	--	10.22	99	94	108
Sidney	Richland	10.33	--	14.31	6.30	10.89	10.84	159	145	125
Stanford	Judith Basin	16.69	15.37	17.13	13.08	9.16	12.69	83	112	109
Sunburst 8E	Toole	16.49	--	13.05	11.80	--	10.06	152	113	115
Terry 21 NNW	Prairie	14.35	13.03	13.67	11.27	9.94	10.44	113	91	126
Thompson Falls PH	Sanders	20.45	--	23.07	8.27	7.29	9.59	121	--	133
Townsend	Broadwater	8.43	--	10.67	6.00	--	8.20	118	--	120
Valier	Pondera	12.44	--	12.22	10.53	7.81	9.91	120	113	117
Vida 6 NE	McCone	14.06	--	13.88	10.30	10.95	10.46	139	130	119
Virginia City	Madison	13.50	16.90	15.82	9.17	10.92	10.85	81	77	85
Wibaux 2 E	Wibaux	--	15.13	14.01	--	11.00	11.17	--	104	113
Wilsall 8 ENE	Park	20.15	--	20.96	14.5	11.24	14.40	29	77	95
Wisdom	Beaverhead	11.17	12.75	11.90	6.98	8.84	7.85	23	11	18

1/ The number of days between the last frost (32 degrees) in spring and first frost (32 degrees) after June 30.  
2/ Normal for period 1971-2000.  
3/ Average frost-free days for the period 1991-2000.  
-- Not available  
SOURCE: National Climatic Data Center, NOAA, Asheville, North Carolina.

## Montana Facts and Figures

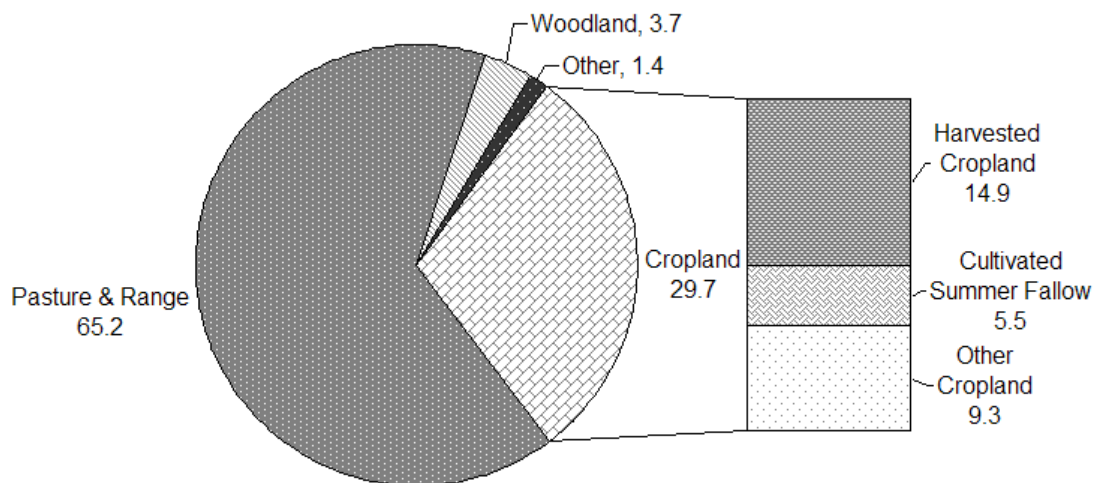
Montana Population 1/		Land and Land Utilization 2/	
Total Population People Per Square Mile	902,195 6.2	Montana Total Land Area	145,522 Sq. Miles 93,134,579 Acres
Farm Population People Per Farm	39,930 1.9	All Land in Farms & Ranches Proportion of Land in Farms & Ranches	61,388,467 Acres 65.9 Percent

1/ Source: 2000 Population Census 2/ Source: 2007 U.S. Census of Agriculture

Farms Counts and Measurements			
Number of Farms & Ranches 1/ Average Size of Farm or Ranch	29,800 2,040 Acres	Real Estate Value/Farm or Ranch 3/ Average Value per Acre 4/	\$1,144,262 \$700
Total Farm & Ranch Assets 2/, 3/ Average Value Per Farm or Ranch 3/	\$40.1 Bil. \$1,346,679	Farm & Ranch Debt per Operation 3/	\$105,218

1/ Places with annual sales of agricultural products of \$1,000 or more, 2009 figure.  
 2/ Excludes farm operators' household assets and debt.  
 3/ Source: Economic Indicators of the Farm Sector, State Income and Balance Sheet Statistics, USDA-Economic Research Service. Figures are for 2007.  
 4/ Per acre, land and buildings, January 1, 2010.

### Land in Farms and Ranches: Utilization as a Percentage of Total



Source: 2007 Census of Agriculture.

## Number of Farms

Year	Number of Farms (000)	Year	Number of Farms (000)	Year	Number of Farms (000)	Year	Number of Farms (000)
1910	28.8	1920	57.7	1930	55.0	1940	44.5
1911	31.5	1921	57.0	1931	54.5	1941	42.0
1912	34.0	1922	55.0	1932	54.0	1942	41.0
1913	37.0	1923	52.5	1933	53.5	1943	40.8
1914	40.0	1924	51.0	1934	53.0	1944	40.6
1915	45.0	1925	50.0	1935	52.0	1945	40.4
1916	50.0	1926	51.0	1936	50.0	1946	39.8
1917	54.0	1927	52.5	1937	48.0	1947	39.2
1918	56.0	1928	53.5	1938	46.0	1948	38.5
1919	57.0	1929	54.0	1939	45.0	1949	37.8

## Number of Farms, All Land in Farms, and Average Size of Farms 1/

Year	Number of Farms (000)	All Land in Farms (000) Acres	Average Size of All Farms Acres	Year	Number of Farms (000)	All Land in Farms (000) Acres	Average Size of All Farms Acres
1950	37.2	65,000	1,747	1980	23.8	61,900	2,601
1951	36.8	65,200	1,772	1981	23.9	61,700	2,582
1952	36.4	65,500	1,799	1982	24.0	61,500	2,563
1953	35.9	65,800	1,833	1983	24.1	61,300	2,544
1954	35.4	66,100	1,867	1984	24.2	61,100	2,525
1955	34.8	66,100	1,899	1985	24.3	61,000	2,510
1956	34.2	66,200	1,936	1986	24.4	60,900	2,496
1957	33.6	66,300	1,973	1987	24.5	60,800	2,482
1958	33.0	66,500	2,015	1988	24.6	60,700	2,467
1959	32.4	66,600	2,056	1989	24.7	60,600	2,453
1960	31.7	66,700	2,104	1990	24.7	60,500	2,449
1961	30.8	66,800	2,169	1991	24.7	60,300	2,441
1962	30.1	66,800	2,219	1992	24.3	60,000	2,469
1963	29.5	66,800	2,264	1993	25.0	59,900	2,396
1964	28.9	67,200	2,325	1994	26.0	59,600	2,292
1965	28.4	66,700	2,349	1995	26.0	59,400	2,285
1966	28.0	66,200	2,364	1996	26.5	58,500	2,208
1967	27.6	65,700	2,380	1997	27.0	57,800	2,141
1968	27.1	65,200	2,406	1998	27.5	59,000	2,145
1969	26.7	64,700	2,423	1999	27.8	59,200	2,129
1970	26.4	64,200	2,432	2000	27.8	59,300	2,133
1971	26.0	63,700	2,450	2001	27.8	59,600	2,144
1972	25.5	63,200	2,478	2002	27.9	59,800	2,143
1973	25.1	63,000	2,510	2003	28.0	60,300	2,154
1974	24.6	62,800	2,553	2004	28.0	60,400	2,157
1975	23.4	62,200	2,658	2005	28.0	60,600	2,164
1976	23.4	62,200	2,658	2006	28.1	60,800	2,164
1977	23.5	62,100	2,643	2007	28.3	60,900	2,064
1978	23.6	62,100	2,631	2008	29.5	60,800	2,061
1979	23.7	62,100	2,620	2009	29.8	60,800	2,040

1/ Beginning in 1975, number of farms refers to places that had annual sales of agricultural products of \$1,000 or more.

### Census of Agriculture Number of Farms by Size

Acres	1-9	10-49	50-179	180-499	500-999	1,000-1,999	2,000 or More	Total No. of Farms
Year	Number of Farms							
1954	1,455	1,893	4,800	5,952	5,553	1/	13,408	33,061
1959	675	1,690	3,804	4,938	4,671	1/	13,181	28,959
1964	704	1,641	3,393	4,396	3,954	5,101	7,831	27,020
1969	1,283	1,485	2,791	3,757	3,339	4,700	7,596	24,951
1974	1,177	1,550	2,707	3,436	2,990	4,053	7,411	23,324
1978	1,255	1,889	2,987	3,420	2,928	4,011	7,075	23,565
1982	1,551	2,673	3,080	3,097	2,640	3,345	7,184	23,570
1987	1,940	2,745	3,019	3,315	2,737	3,460	7,352	24,568
1992	1,209	2,804	3,061	2,964	2,521	3,040	7,222	27,821
1997	1,195	4,673	4,414	4,032	3,067	3,382	6,869	27,632
2002	1,484	5,005	4,497	3,964	2,770	3,034	7,116	27,870
2007	1,917	5,462	4,971	4,464	2,919	2,935	6,856	29,524

1/ Combined with "2,000 acres or more".

### Census of Agriculture Number of Farms by Value of Sales

Value	Less than \$2,500	\$2,500-\$4,999	\$5,000-\$9,999	\$10,000-\$24,999	\$25,000-\$49,999	\$50,000-\$99,999	\$100,000-\$499,999	\$500,000 or More	Total No. of Farms
Year	Number of Farms								
1954	9,654	600	7,760	3,905	2,581	--	--	--	33,061
1959	6,469	4,024	6,570	11,691	--	--	--	--	28,959
1964	5,886	3,522	6,518	1/	11,753	1/	251	2/	27,020
1969	4,525	2,375	3,800	1/	13,512	1/	597	49	24,951
1974	3,340	1,655	2,520	1/	13,565	1/	2,036	106	23,324
1978	2,842	1,991	2,538	4,573	4,757	1/	2,567	160	23,565
1982	3,914	1,795	2,295	3,703	3,592	3,928	3,981	263	23,570
1987	4,320	2,006	2,374	3,912	3,695	4,064	3,945	252	24,568
1992	4,073	1,764	2,131	3,413	3,051	3,528	4,492	369	27,821
1997	7,129	2,314	2,559	3,666	3,066	3,425	4,988	485	27,632
2002	10,117	1,776	2,162	3,043	2,718	3,027	4,507	520	27,870
2007	11,977	1,784	1,934	2,770	2,215	2,464	5,247	1,133	29,524

1/ Combined with "\$25,000-\$49,999".

2/ Combined with "\$100,000-\$499,999".

### Census of Agriculture Number of Farms Reporting Cropland

Year	Farms Reporting Cropland	Acres of Cropland	Cropland Acres Average Size
1954	31,218	14,508,389	465
1959	27,486	15,077,067	549
1964	25,212	15,388,431	610
1969	22,709	16,108,575	709
1974	21,368	15,445,720	723
1978	21,437	16,232,608	757
1982	20,717	16,452,331	794
1987	21,064	17,829,766	846
1992	19,442	17,494,553	900
1997	22,803	18,238,158	800
2002	21,854	18,315,514	838
2007	21,809	18,241,710	836

### Census Number of Farms, Land in Farms, and Average Farm Size, 2002 and 2007 1/

County and District	2002			2007		
	Number of Farms	Land in Farms - Acres	Average Farm Size - Acres	Number of Farms	Land in Farms - Acres	Average Farm Size - Acres
Deer Lodge	109	134,997	1,239	123	79,335	645
Flathead	1,075	234,861	218	1,094	251,597	230
Granite	140	282,907	2,021	166	302,973	1,825
Lake	1,185	601,544	508	1,280	637,306	498
Lincoln	310	54,236	175	350	51,885	148
Mineral	85	16,277	191	99	22,654	229
Missoula	641	258,315	403	699	281,893	403
Powell	274	618,687	2,258	273	670,354	2,456
Ravalli	1,441	245,133	170	1,532	262,872	172
Sanders	464	345,775	745	508	341,913	673
<b>NORTHWEST</b>	<b>5,724</b>	<b>2,792,732</b>	<b>488</b>	<b>6,124</b>	<b>2,902,782</b>	<b>474</b>
Blaine	588	2,261,411	3,846	655	2,330,605	3,558
Chouteau	787	2,301,376	2,924	849	2,277,842	2,683
Glacier	472	1,645,201	3,486	625	1,700,179	2,720
Hill	836	1,808,835	2,164	854	1,697,232	1,987
Liberty	297	905,171	3,048	299	904,327	3,025
Phillips	525	1,896,941	3,613	556	2,006,068	3,608
Pondera	520	900,107	1,731	542	9,444,486	1,743
Teton	700	1,230,550	1,758	770	1,152,691	1,497
Toole	405	1,087,797	2,686	428	1,115,019	2,605
<b>NORTH CENTRAL</b>	<b>5,130</b>	<b>14,037,389</b>	<b>2,736</b>	<b>5,578</b>	<b>14,128,449</b>	<b>2,533</b>
Daniels	364	815,443	2,240	397	860,238	2,167
Dawson	522	1,410,885	2,703	535	1,378,564	2,577
Garfield	268	2,181,755	8,141	288	2,391,958	8,305
McCone	496	1,346,271	2,714	489	1,506,824	3,081
Richland	587	1,201,436	2,047	548	1,279,300	2,334
Roosevelt	683	1,441,479	2,111	728	1,451,828	1,994
Sheridan	626	1,046,892	1,672	602	1,065,503	1,770
Valley	743	2,051,667	2,761	770	2,061,260	2,677
<b>NORTHEAST</b>	<b>4,289</b>	<b>11,495,828</b>	<b>2,680</b>	<b>4,357</b>	<b>11,995,475</b>	<b>2,753</b>
Broadwater	279	469,782	1,684	302	474,892	1,572
Cascade	1,037	1,388,530	1,339	1,112	1,379,645	1,241
Fergus	830	2,281,789	2,749	898	2,446,047	2,724
Golden Valley	140	660,787	4,720	153	671,764	4,391
Judith Basin	316	829,846	2,626	306	838,477	2,740
Lewis & Clark	635	841,826	1,326	675	971,240	1,439
Meagher	136	857,215	6,303	138	812,412	5,887
Musselshell	319	1,033,572	3,240	373	1,133,030	3,038
Petroleum	89	538,028	6,045	103	640,707	6,220
Wheatland	163	841,643	5,163	137	822,253	6,002
<b>CENTRAL</b>	<b>3,944</b>	<b>9,743,018</b>	<b>2,470</b>	<b>4,197</b>	<b>10,190,467</b>	<b>2,428</b>
Beaverhead	421	1,279,031	3,038	431	1,239,068	2,875
Gallatin	1,074	708,728	660	1,071	776,868	725
Jefferson	372	387,077	1,041	370	391,248	1,057
Madison	513	1,028,781	2,005	585	1,060,883	1,813
Silver Bow	155	73,792	476	175	101,081	578
<b>SOUTHWEST</b>	<b>2,535</b>	<b>3,477,409</b>	<b>1,372</b>	<b>2,632</b>	<b>3,569,148</b>	<b>1,356</b>
Big Horn	584	2,811,337	4,814	695	2,899,620	4,172
Carbon	703	753,504	1,072	715	793,628	1,110
Park	527	847,067	1,607	535	762,753	1,426
Stillwater	552	890,326	1,613	635	857,474	1,350
Sweetgrass	357	867,058	2,429	355	812,759	2,289
Treasure	115	606,846	5,277	101	461,790	4,572
Yellowstone	1,279	1,568,637	1,226	1,407	1,615,769	1,148
<b>SOUTH CENTRAL</b>	<b>4,117</b>	<b>8,344,775</b>	<b>2,027</b>	<b>4,443</b>	<b>8,203,793</b>	<b>1,846</b>
Carter	289	1,666,922	5,768	308	1,698,363	5,514
Custer	425	1,904,133	4,480	411	2,127,013	5,175
Fallon	327	932,211	2,851	296	978,818	3,307
Powder River	301	1,521,618	5,055	319	1,620,068	5,079
Prairie	162	619,684	3,825	173	767,508	4,436
Rosebud	412	2,540,898	6,167	478	2,714,024	5,678
Wibaux	215	535,786	2,492	208	492,554	2,368
<b>SOUTHEAST</b>	<b>2,131</b>	<b>9,721,252</b>	<b>4,562</b>	<b>2,193</b>	<b>10,398,348</b>	<b>4,742</b>
<b>MONTANA</b>	<b>27,870</b>	<b>59,612,403</b>	<b>2,139</b>	<b>29,524</b>	<b>61,388,462</b>	<b>2,079</b>

1/ Farms are places that had or would have had annual sales of agricultural products of \$1,000 or more.

## 2008 Organic Production Survey

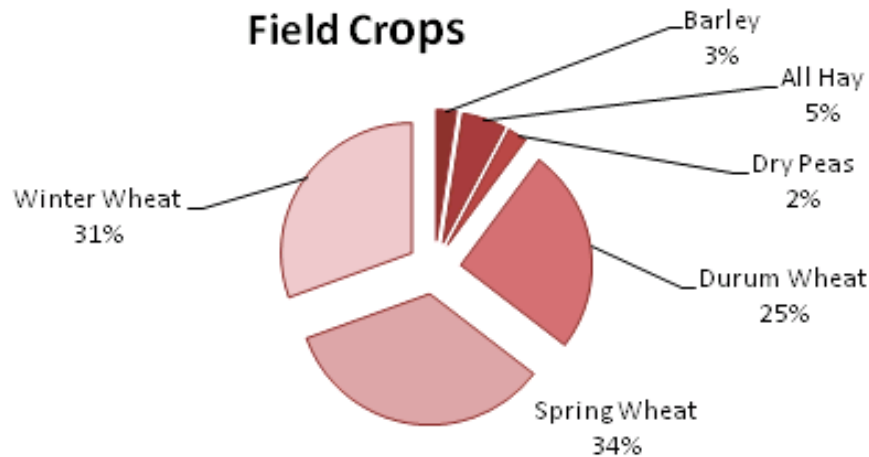
Montana has 173 certified or exempt organic farms utilizing 284,482 acres. Of the 284,482 organic acres, 167,800 acres are cropland, 91,218 acres were harvested, and 116,682 acres were pastureland. Montana leads the U.S. in organic production for dry peas, durum wheat, and spring wheat.

These and other interesting facts can be found in the complete Organic Production Survey publication at [www.agcensus.usda.gov/Publications/2007/Online\\_Highlights/Organics/](http://www.agcensus.usda.gov/Publications/2007/Online_Highlights/Organics/).

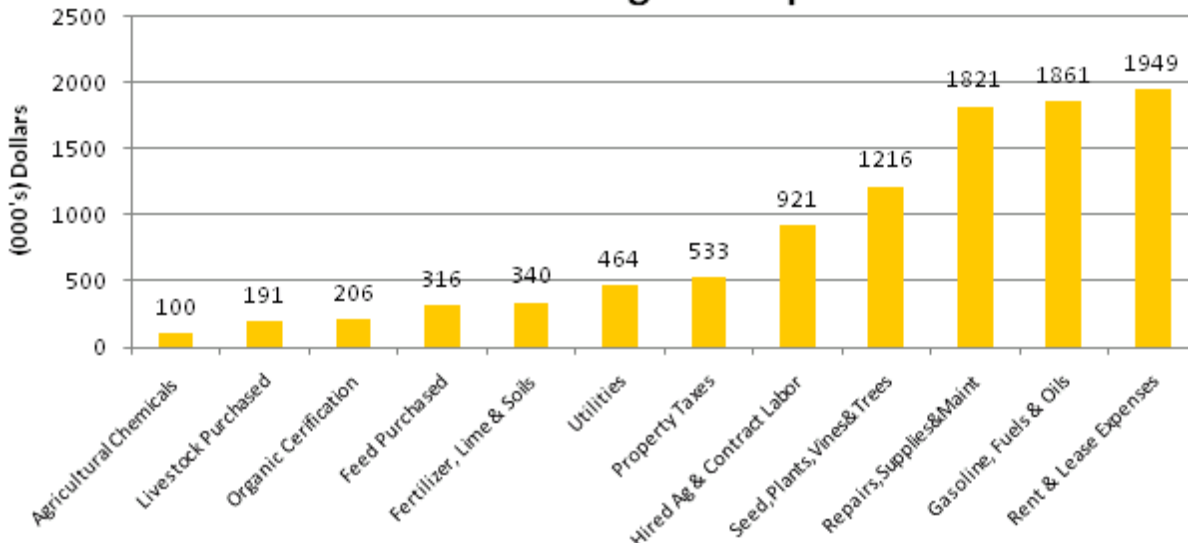
### Organic Field Crops Harvested from Certified and Exempt Organic Farms, 2008

Field Crop	Harvested				Value of Sales	
	Farms	Acres	Quantity	Unit	Farms	Dollars
Barley	18	4,784	91,036	Bu	18	559,562
Durum Wheat	22	19,604	331,195	Bu	22	5,826,952
Spring Wheat	62	33,931	589,569	Bu	62	7,842,661
Winter Wheat	30	16,815	398,438	Bu	30	7,027,390
Dry Edible Peas	16	4,786	39,308	Cwt	16	545,023
All Hay	44	8,857	12,085	Tons	44	1,233,562

### 2008 Montana Organic Sales Field Crops



### 2008 Montana Organic Expenses

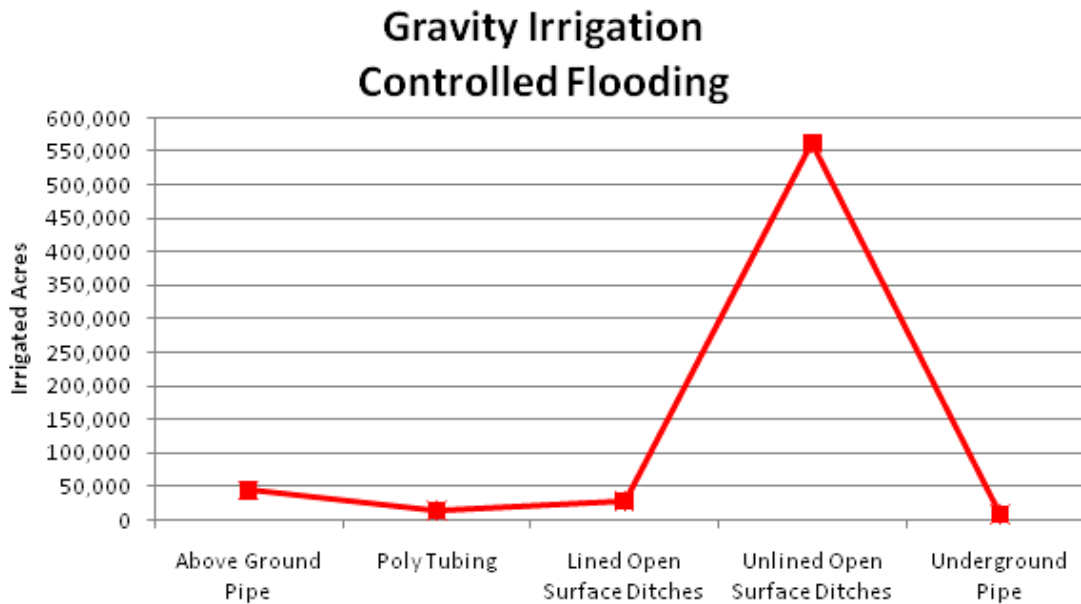


## 2008 Farm & Ranch Irrigation Survey (FRIS)

Montana has 8,507 farms using some type of irrigation. Those farms irrigated 1,947,159 acres. Of those irrigated acres, 1,810,942 acres were cropland, with 1,549,574 harvested acres, and 256,328 acres were pastureland.

Looking a little deeper, Montana has 830,781 irrigated acres using water from on-farm sources. Irrigated acreage using water from off-farms sources was 1,071,787 acres. Using the acre-foot per acre measurement (one acre-foot covers one acre one foot deep), average water usage per acre for all water sources is 1.4 ac-ft. Average water usage per acre for sprinkle systems is 1.2 ac-ft, and the average using gravity is 1.4 ac-ft. Montana has 401 irrigation wells with an average well depth of 214 feet.

These and other interesting facts can be found in the complete Farm and Ranch Irrigation Survey (FRIS) publication at [www.agcensus.usda.gov/Publications/2007/Online\\_Highlights/Farm\\_and\\_Ranch\\_Irrigation\\_Survey/](http://www.agcensus.usda.gov/Publications/2007/Online_Highlights/Farm_and_Ranch_Irrigation_Survey/).



## 2008 Montana Irrigated Acres Water Distribution

