

HAZELNUT TREE REPORT



**NATIONAL
AGRICULTURAL
STATISTICS
SERVICE**

October 21, 2008
Frequency: Quadrennial
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2008 Tree Survey

Every four years, the Oregon field office of USDA/ NASS conducts a comprehensive hazelnut tree survey. All known hazelnut operators are contacted and asked to report their orchards by year planted, area in trees, variety, and county.

Historical records show 1949 as the first year a tree survey was conducted in Oregon. In 1949 there were 26,084 acres of hazelnuts compared to 30,100 acres in 2008.

The 2008 Hazelnut Tree Report shows a slight decrease in the number of operations during the past four years, but an increase in number of acres and trees planted. The area in hazelnut orchards increased 1,700 acres since the 2004 survey.

The current survey shows a total of 3,624,000 trees planted in Oregon. Over half of the trees were planted prior to 1985 and nearly 12 percent were planted after 2000.

Historical records show Barcelona as the top planted variety for all years, but its share of all trees planted decreases each survey period. In the 1970's, Barcelona accounted for approximately 87 percent of all Oregon hazelnut trees. In the 1990's, Barcelona

accounted for approximately 77 percent and in 2008 accounted for 61 percent of all hazelnut trees planted in Oregon.

The most common varieties not listed in the accompanying tables are Clark, Yamhill, Tonda di Giffoni, Santiam, Delta, and Gamma.

Yamhill is the leading hazelnut county with 798,000 trees planted on 6,680 acres. Marion County is second with 747,000 trees on 6,000 acres. Clackamas and Washington followed with 4,280 acres and 4,250 acres respectively.

Tree spacing has increased slightly over the last three survey periods. In 2000 there was an average of 129 trees planted per acre. In 2004 there was an average of 122 trees per acre and in 2008 there is an average of 120 trees per acre.

Special thanks are extended to all the hazelnut operators for their cooperation in providing the information for this report. Thank you also to others in the industry who assisted with this project.

Hazelnuts: Commercial operations, acres and trees, by county, and survey year

County	2000 Survey			2004 Survey			2008 Survey		
	Operations	Acreage	Trees	Operations	Acreage	Trees	Operations	Acreage	Trees
	<i>Number</i>	<i>Acres</i>	<i>Number</i>	<i>Number</i>	<i>Acres</i>	<i>Number</i>	<i>Number</i>	<i>Acres</i>	<i>Number</i>
Clackamas	86	4,205	661,000	73	3,830	541,000	72	4,280	553,000
Lane	97	3,570	396,000	85	3,150	341,000	97	3,510	369,000
Linn	31	1,570	188,000	35	1,540	204,000	41	1,630	217,000
Marion	132	6,085	785,000	141	5,800	685,000	130	6,000	747,000
Polk	27	2,250	367,000	26	2,340	336,000	26	2,820	371,000
Washington	133	4,780	532,000	115	4,610	506,000	117	4,250	465,000
Yamhill	141	6,245	772,000	139	6,350	764,000	121	6,680	798,000
Other Counties ¹	34	435	54,000	34	780	87,000	39	930	104,000
Oregon	681	29,140	3,755,000	648	28,400	3,464,000	643	30,100	3,624,000

¹ Includes: Benton, Douglas, Jackson, Josephine, and Multnomah counties.

Hazelnuts: Trees, by county and year planted, Oregon, 2008 Survey

County	Trees planted								Share of total
	1901-1984	1985-1988	1989-1992	1993-1996	1997-2000	2001-2004	2005-2008	All years	
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Percent</i>
Clackamas	248,900	81,200	34,500	52,400	59,200	56,800	20,000	553,000	15.3
Lane	259,000	30,000	26,800	5,700	34,700	12,200	600	369,000	10.2
Linn	101,300	42,100	3,000	24,800	16,700	25,900	3,200	217,000	6.0
Marion	375,200	80,500	60,500	75,100	71,500	31,900	52,300	747,000	20.6
Polk	256,200	35,400	23,100	34,000	10,300	8,200	3,800	371,000	10.2
Washington	386,700	23,900	20,800	9,400	13,300	4,400	6,500	465,000	12.8
Yamhill	418,400	69,000	50,000	79,500	23,600	61,900	95,600	798,000	22.0
Other Counties ¹	35,500	1,000	10,100	8,600	17,900	29,300	1,600	104,000	2.9
Oregon	2,081,200	363,100	228,800	289,500	247,200	230,600	183,600	3,624,000	100.0
Share of all years (%)	57.4	10.0	6.3	8.0	6.8	6.4	5.1	100.0	

¹ Includes: Benton, Douglas, Jackson, Josephine, and Multnomah counties.

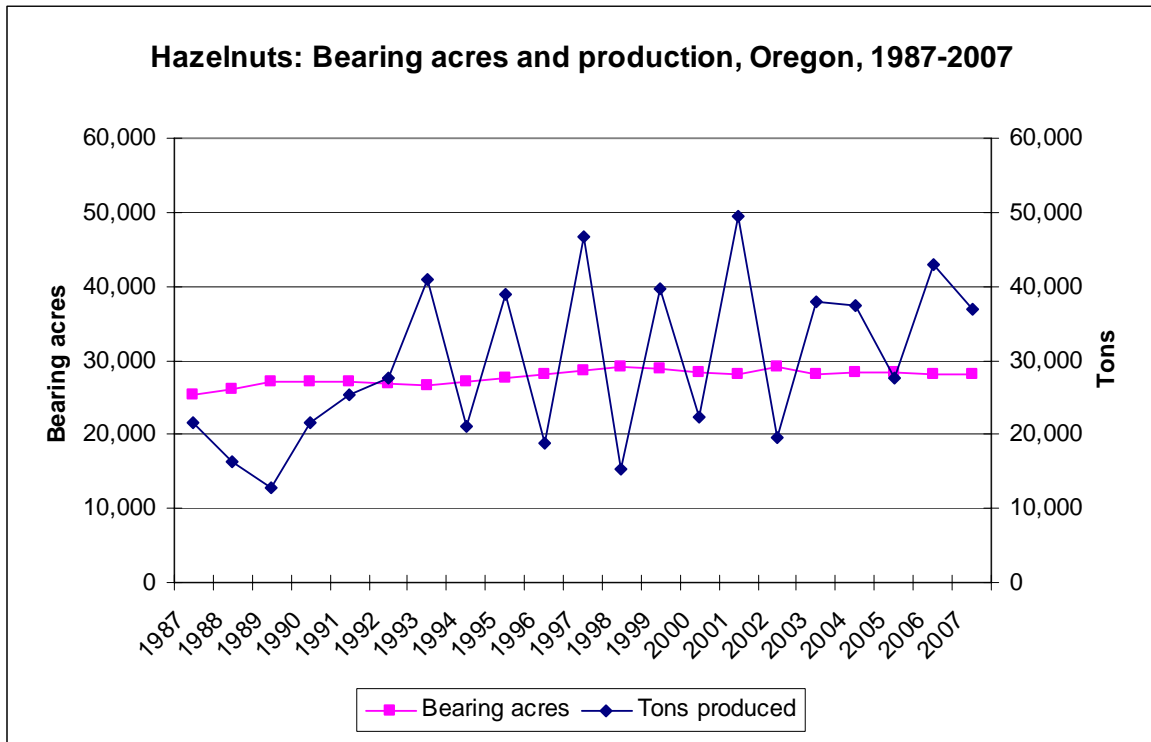
Hazelnuts: Trees, by variety and year planted, Oregon, 2008 Survey

Variety	Trees planted								Share of total
	1901-1984	1985-1988	1989-1992	1993-1996	1997-2000	2001-2004	2005-2008	All years	
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Percent</i>
Barcelona	1,766,500	194,800	95,800	55,900	38,700	46,000	12,400	2,210,100	61.0
Butler	16,900	16,400	2,000	2,000	1,300	-	-	38,600	1.1
Casina	10,500	10,300	61,100	70,600	2,000	1,100	-	155,600	4.3
Daviana	119,100	3,800	3,300	2,300	600	-	-	129,100	3.6
Duchilly	15,600	2,300	-	-	-	-	-	17,900	0.5
Ennis	83,600	116,100	51,800	104,800	53,600	27,800	1,700	439,400	12.1
Hall's Giant	18,300	4,300	5,500	5,800	4,600	3,800	500	42,800	1.2
Lewis	3,900	-	1,100	22,500	123,200	121,400	75,100	347,200	9.6
Willamette	1,000	3,800	4,700	17,900	11,700	4,500	600	44,200	1.2
Other & unknown	45,800	11,300	3,500	7,700	11,500	26,000	93,300	199,100	5.5
Total	2,081,200	363,100	228,800	289,500	247,200	230,600	183,600	3,624,000	100.0

Hazelnuts: Trees, by county and variety, Oregon, 2008 Survey

County	Barcelona	Butler	Casina	Daviana	Duchilly	Ennis	Hall's Giant	Lewis	Willamette	Other & unknown
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
Clackamas	328,000	15,000	25,300	10,100	3,500	34,100	10,900	77,800	6,500	41,800
Lane	236,000	2,400	11,500	20,500	1,000	68,900	5,600	13,700	400	9,000
Linn	107,900	1,300	5,100	8,700	500	55,900	2,600	19,000	4,000	12,000
Marion	411,500	6,300	34,400	23,000	3,000	118,300	8,300	86,800	10,000	45,400
Polk	271,700	3,900	26,700	15,900	-	32,100	6,200	8,200	2,900	3,400
Washington	361,100	1,100	17,900	25,100	8,000	6,200	3,000	19,900	2,800	19,900
Yamhill	463,900	8,600	27,900	23,500	1,300	90,500	5,000	103,200	12,600	61,500
Other Counties ¹	30,000	-	6,800	2,300	600	33,400	1,200	18,600	5,000	6,100
Oregon	2,210,100	38,600	155,600	129,100	17,900	439,400	42,800	347,200	44,200	199,100

¹ Includes: Benton, Douglas, Jackson, Josephine, and Multnomah counties.



Hazelnuts: Acreage, yield, production, price and value, 1930-2007

Year	Oregon					Washington ¹				
	Bearing acreage	Yield per acre	Harvested production	Price per ton	Value of production	Bearing acreage	Yield per acre	Harvested production	Price per ton	Value of production
	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 Dollars</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 Dollars</i>
1930	2,500	0.12	300	340	102	380	-	-	-	-
1935	5,600	0.20	1,100	260	286	760	0.18	140	285	40
1940	9,300	0.29	2,700	240	648	1,650	0.31	510	300	153
1945	14,400	0.31	4,500	550	2,475	2,310	0.35	820	558	458
1950	23,100	0.23	5,350	350	1,872	2,300	0.19	440	354	156
1955	18,900	0.39	7,400	420	3,108	1,800	0.17	310	422	131
1960	17,600	0.48	8,400	420	3,528	1,500	0.37	550	422	232
1965	15,700	0.46	7,300	450	3,285	1,100	0.40	440	452	199
1970	15,800	0.55	8,750	570	4,988	500	1.02	510	571	291
1975	17,400	0.68	11,800	610	7,198	400	0.80	320	595	190
1980	21,600	0.70	15,100	1,151	17,386	400	0.75	300	1,181	354
1985	22,900	1.06	24,300	677	16,451	400	0.75	300	957	287
1986	24,500	0.61	14,900	724	10,788	400	0.50	200	895	179
1987	25,400	0.85	21,500	956	20,554	400	0.75	300	1,160	348
1988	26,100	0.62	16,300	853	13,904	400	0.50	200	891	178
1989	27,100	0.47	12,800	817	10,458	360	0.56	200	1,030	206
1990	27,000	0.80	21,500	783	16,835	300	0.67	200	880	176
1991	27,200	0.93	25,300	726	18,368	270	0.74	200	755	151
1992	26,800	1.03	27,500	552	15,180	230	0.87	200	620	124
1993	26,700	1.53	40,800	633	25,826	230	0.87	200	685	137
1994	27,200	0.77	21,000	834	17,514	200	0.50	100	900	90
1995	27,600	1.41	38,800	913	35,424	200	1.00	200	935	187
1996	28,200	0.67	18,900	837	15,819	150	0.67	100	900	90
1997	28,600	1.63	46,650	899	41,938	400	0.88	350	940	329
1998	29,100	0.53	15,400	964	14,846	430	0.23	100	960	96
1999	28,800	1.38	39,700	890	35,333	400	0.75	300	900	270
2000	28,300	0.79	22,300	890	19,847	350	0.57	200	960	192
2001	28,100	1.76	49,500	701	34,700	-	-	-	-	-
2002	29,200	0.67	19,500	1,000	19,500	-	-	-	-	-
2003	28,000	1.35	37,900	1,030	39,037	-	-	-	-	-
2004	28,400	1.32	37,500	1,440	54,000	-	-	-	-	-
2005	28,300	0.98	27,600	2,240	61,824	-	-	-	-	-
2006	28,200	1.52	43,000	1,080	46,440	-	-	-	-	-
2007	28,100	1.32	37,000	2,040	75,480	-	-	-	-	-

¹ Estimates discontinued in 2001

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