Ex. #5

U.S. HOPS: STATISTICAL OVERVIEW

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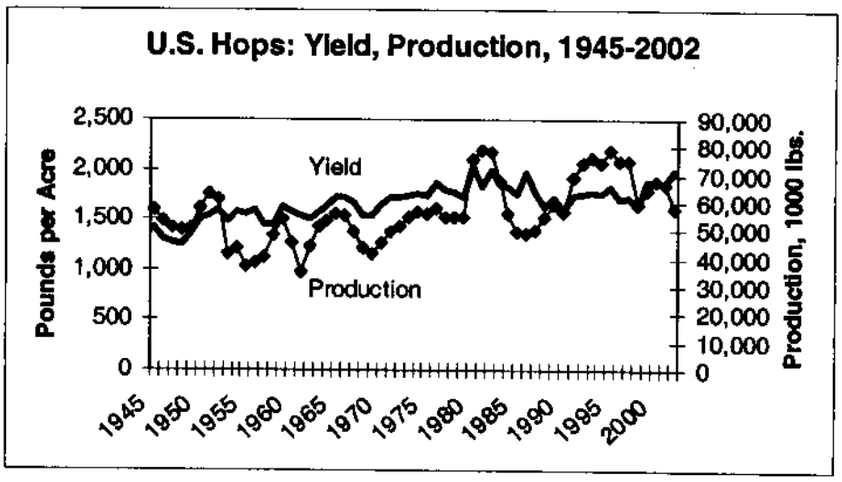
Table 1: U.S. Hops: Acres, Yield, Production, Prices, Value, 1945-2002

Crop Year Beginning Sept. 1	Acreage Harvested	Yield per Acre	Total Production	Grower Price (Season Avg)	Value of Production
	acres	*pounds*	*1000 lbs.*	*$ per lb.*	*1000s of $*
1945	40,940	1,407	57,615	$0.65	$37,401
1946	40,940	1,313	53,751	$0.63	$33,736
1947	39,840	1,275	50,786	$0.68	$34,736
1948	40,420	1,248	50,464	$0.56	$27,984
1949	37,550	1,353	50,796	$0.57	$22,260
1950	38,700	1,508	58,351	$0.62	$31,083
1951	41,200	1,535	63,239	$0.68	$31,833
1952	38,300	1,600	61,263	$0.61	$24,509
1953	28,100	1,488	41,803	$0.46	$19,392
1954	27,500	1,581	43,477	$0.41	$17,644
1955	23,700	1,556	36,874	$0.41	$15,007
1956	24,200	1,586	38,383	$0.45	$17,426
1957	27,700	1,449	40,135	$0.54	$21,462
1958	33,400	1,449	48,407	$0.56	$27,248
1959	33,200	1,630	54,106	$0.51	$26,873
1960	29,200	1,575	45,976	$0.47	$21,395
1961	22,900	1,548	35,454	$0.44	$15,640
1962	29,300	1,510	44,231	$0.47	$20,947
1963	32,700	1,573	51,422	$0.49	$24,950
1964	32,600	1,637	53,378	$0.47	$25,179
1965	32,700	1,714	56,060	$0.46	$25,865
1966	32,200	1,726	55,568	$0.46	$25,654
1967	29,800	1,661	49,498	$0.46	$22,701
1968	28,400	1,540	43,733	$0.47	$20,659
1969	27,000	1,547	41,763	$0.71	$21,305
1970	27,700	1,656	45,863	$0.56	$25,681
1971	28,900	1,718	49,663	$0.66	$32,743
1972	29,700	1,728	51,309	$0.71	$36,631
1973	31,400	1,744	54,769	$0.76	$41,457
1974	32,400	1,759	56,979	$0.80	$45,486
1975	32,100	1,742	55,913	$0.83	$46,419
1976	30,900	1,870	57,774	$0.85	$48,982
1977	30,500	1,796	54,777	$0.90	$49,095
1978	30,900	1,782	55,071	$0.90	$49,599
1979	31,800	1,727	54,929	$0.98	$53,614
1980	37,100	2,037	75,560	$1.51	$114,194
1981	43,100	1,836	79,144	$1.51	$119,220
1982	39,600	1,984	78,550	$1.74	$136,884
1983	36,900	1,846	68,111	$1.93	$131,483
1984	30,800	1,824	56,167	$2.10	$117,701
1985	28,100	1,764	49,713	$2.03	$98,433
1986	25,000	1,968	49,062	$1.78	$87,087
1987	28,300	1,770	50,048	$1.51	$75,578
1988	33,400	1,638	54,696	$1.40	$76,415
1989	34,548	1,717	59,326	$1.38	$81,583
1990	35,463	1,603	56,855	$1.48	$84,178
1991	39,553	1,748	69,155	$1.68	$115,997
1992	42,266	1,759	74,337	$1.74	$129,096
1993	43,100	1,767	76,144	$1.76	$133,965

1994	42,412	1,758	74,560	$1.81	$134,701
1995	43,189	1,826	78,852	$1.71	$135,087
1996	44,161	1,698	74,970	$1.65	$123,530
1997	43,302	1,729	74,872	$1.60	$119,840
1998	36,643	1,625	59,548	$1.69	$100,728
1999	34,260	1,884	64,455	$1.69	$109,099
2000	36,120	1,871	67,576	$1.87	$126,636
2001	35,911	1,861	66,832	$1.91	$127,926
2002	29,309	1,990	58,336	$1.94	$113,413
Source: USDA, NASS.					



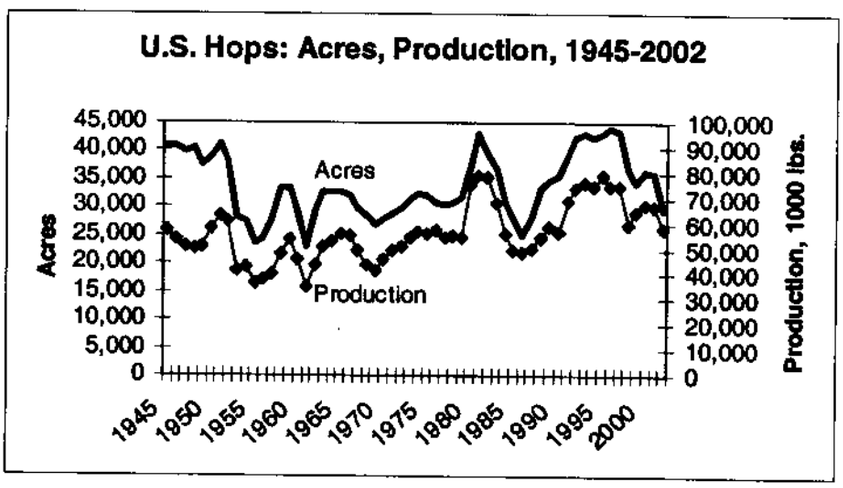


Table 1a. Nominal and Inflation-Adjusted Season Average Grower Prices for Hops 1945-2002

Year	Nominal Grower Price	GDP Price Deflator (1996=100)	Inflation-Adjusted Grower Price
1945	$0.65	13.17	$4.93
1946	$0.63	14.77	$4.25
1947	$0.68	16.35	$4.18
1948	$0.56	17.28	$3.21
1949	$0.57	17.26	$3.30
1950	$0.62	17.45	$3.56
1951	$0.68	18.71	$3.65
1952	$0.61	19.00	$3.19
1953	$0.46	19.25	$2.41
1954	$0.41	19.44	$2.09
1955	$0.41	19.78	$2.06
1956	$0.45	20.45	$2.22
1957	$0.54	21.13	$2.53
1958	$0.56	21.64	$2.60
1959	$0.51	21.88	$2.34
1960	$0.47	22.19	$2.11
1961	$0.44	22.44	$1.97
1962	$0.47	22.74	$2.08
1963	$0.49	23.00	$2.11
1964	$0.47	23.34	$2.02
1965	$0.46	23.78	$1.94
1966	$0.46	24.46	$1.89
1967	$0.46	25.21	$1.82
1968	$0.47	26.30	$1.79
1969	$0.71	27.59	$2.56
1970	$0.56	29.06	$1.93
1971	$0.66	30.52	$2.16
1972	$0.71	31.82	$2.24
1973	$0.76	33.60	$2.25
1974	$0.80	36.62	$2.18
1975	$0.83	40.03	$2.07
1976	$0.85	42.30	$2.00
1977	$0.90	45.02	$1.99
1978	$0.90	48.23	$1.87
1979	$0.98	52.25	$1.87
1980	$1.51	57.04	$2.65
1981	$1.51	62.37	$2.42
1982	$1.74	66.25	$2.63
1983	$1.93	68.88	$2.80
1984	$2.10	71.44	$2.94
1985	$2.03	73.69	$2.75
1986	$1.78	75.31	$2.36
1987	$1.51	77.58	$1.95

1988	$1.40	80.21	$1.75
1989	$1.38	83.27	$1.66
1990	$1.48	86.51	$1.71
1991	$1.68	89.66	$1.87
1992	$1.74	91.84	$1.89
1993	$1.76	94.05	$1.87
1994	$1.81	96.01	$1.89
1995	$1.71	98.10	$1.74
1996	$1.65	100.00	$1.65
1997	$1.60	101.95	$1.57
1998	$1.69	103.20	$1.64
1999	$1.69	104.69	$1.61
2000	$1.87	106.89	$1.75
2001	$1.91	109.42	$1.75
2002	$1.94	110.66	$1.75
Source: USDA, NASS. GDP Price Deflator from BEA, Dept. of Commerce.			

Table 2.

U.S. Hops: Production by State (pounds)

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Total U.S.	74,336,700	76,143,700	74,559,700	78,852,400	74,876,500	74,872,100	59,549,800	64,455,000	67,576,800	66,832,100	58,336,600
Washington	57,106,300	58,849,000	54,675,000	59,101,000	57,546,000	55,816,000	44,791,000	49,649,000	52,260,000	50,779,600	43,379,000
Oregon	11,684,000	11,850,000	13,720,100	13,782,400	11,734,500	13,572,000	10,227,400	10,072,000	10,387,000	11,443,200	9,438,000
Idaho	5,546,400	5,444,700	6,164,600	5,969,000	5,596,000	5,484,100	4,531,400	4,734,000	4,929,800	4,609,300	5,519,600

U.S. Hops Production by State – Percentage

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Washington	76.8%	77.3%	73.3%	75.0%	76.9%	74.5%	75.2%	77.0%	77.3%	76.0%	74.4%
Oregon	15.7%	15.6%	18.4%	17.5%	15.7%	18.1%	17.2%	15.6%	15.4%	17.1%	16.2%
Idaho	7.5%	7.2%	8.3%	7.6%	7.5%	7.3%	7.6%	7.3%	7.3%	6.9%	9.5%

U.S. Hops Acreage by State

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Total U.S.	42,236	43,100	42,412	43,189	44,161	43,302	36,643	34,260	36,120	35,911	29,309
Washington	30,336	31,239	30,375	30,621	31,678	31,080	26573	25076	26980	26339	20333
Oregon	7,900	7,900	8,000	8,641	8,486	8,352	6161	5822	5819	6103	5577
Idaho	4,000	3,961	4,037	3,927	3,997	3,870	3909	3362	3321	3469	3399

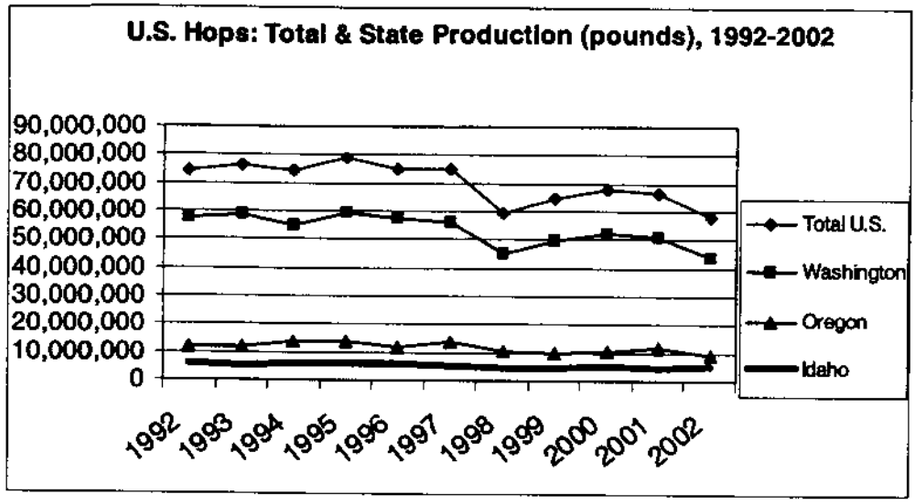
U.S. Hops Acreage by State – Percentage

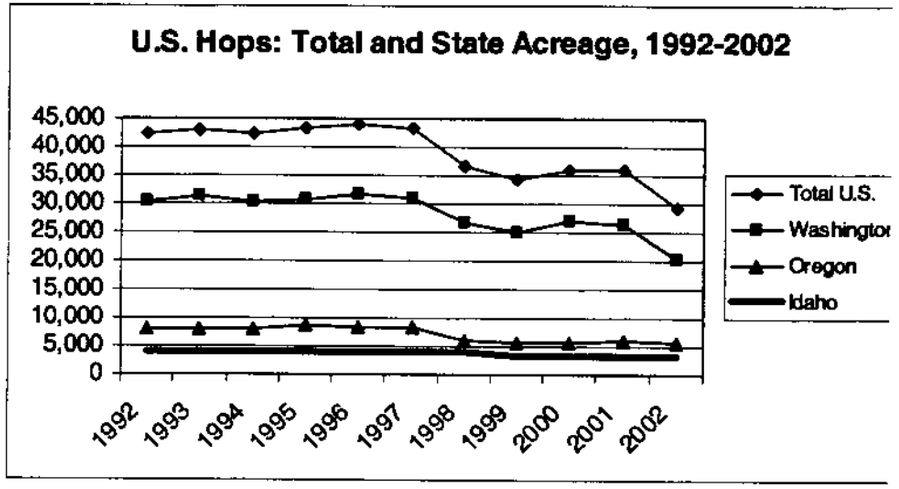
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Washington	71.8%	72.5%	71.6%	70.9%	71.7%	71.8%	72.5%	73.2%	74.7%	73.3%	69.4%
Oregon	18.7%	18.3%	18.9%	20.0%	19.2%	19.3%	16.8%	17.0%	16.1%	17.0%	19.0%
Idaho	9.5%	9.2%	9.5%	9.1%	9.1%	8.9%	10.7%	9.8%	9.2%	9.7%	11.6%

Hops Yield by State (pounds per acre)

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Washington	1,881	1,884	1,800	1,930	1,820	1,796	1,686	1,980	1,937	1,928	2,133
Oregon	1,479	1,500	1,715	1,595	1,383	1,625	1,660	1,730	1,785	1,875	1,692
Idaho	1,387	1,375	1,527	1,520	1,400	1,417	1,159	1,408	1,484	1,329	1,624
U.S.	1,759	1,767	1,758	1,826	1,698	1,729	1,625	1,884	1,871	1,861	1,990

Source: USDA (NASS)


U.S. Hops: Total & State Production (pounds), 1992-2002
90,000,000
80,000,000
70,000,000
60,000,000
50,000,000
40,000,000
30,000,000
20,000,000
10,000,000
0
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
Total U.S.
Washington
Oregon
Idaho


U.S. Hops: Total and State Acreage, 1992-2002
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
Total U.S.
Washington
Oregon
Idaho

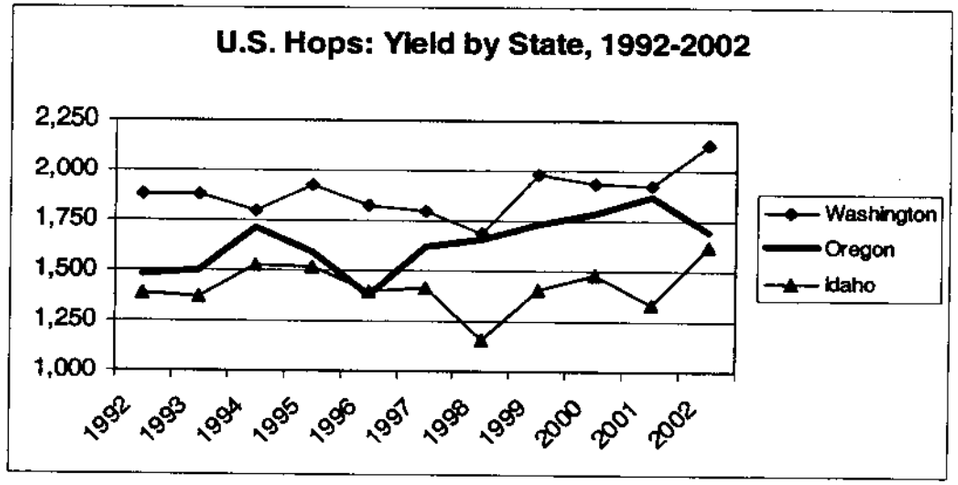

U.S. Hops: Yield by State, 1992-2002
2,250
2,000
1,750
1,500
1,250
1,000
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
Washington
Oregon
Idaho

Table 2a. U.S. Hops: Harvested Acreage, by States, 1950 - 2002

Crop Year	Washington	Oregon	Idaho	California	Total
1950	13,800	14,600	1,000	9,300	38,700
1951	15,300	14,900	1,500	9,500	41,200
1952	14,900	12,800	1,600	9,000	38,300
1953	13,500	6,800	1,500	6,300	28,100
1954	13,900	5,700	1,600	6,300	27,500
1955	13,000	3,900	1,600	5,200	23,700
1956	13,300	3,800	1,800	5,300	24,200
1957	15,200	4,500	2,400	5,600	27,700
1958	19,000	5,000	3,500	5,900	33,400
1959	18,600	5,300	3,500	5,800	33,200
1960	16,400	4,500	3,200	5,100	29,200
1961	12,800	3,000	3,200	3,900	22,900
1962	18,000	3,800	3,400	4,100	29,300
1963	20,600	4,000	4,000	4,100	32,700
1964	20,700	4,300	4,100	3,500	32,600
1965	21,100	4,600	3,900	3,100	32,700
1966	20,700	5,000	4,000	2,500	32,200
1967	19,400	4,900	3,600	1,900	29,800
1968	19,100	4,500	3,300	1,500	28,400
1969	18,100	4,200	3,200	1,500	27,000
1970	18,700	4,300	3,300	1,400	27,700
1971	18,900	5,100	3,400	1,500	28,900
1972	19,200	5,200	3,800	1,500	29,700
1973	20,600	5,300	4,000	1,500	31,400
1974	21,300	5,500	4,100	1,500	32,400
1975	21,300	3,700	5,600	1,500	32,100
1976	21,000	5,400	3,000	1,500	30,900
1977	20,600	5,500	2,900	1,500	30,500
1978	21,300	5,400	2,700	1,500	30,900
1979	22,300	5,600	2,700	1,200	31,800
1980	26,900	6,200	2,800	1,200	37,100
1981	31,300	7,200	3,400	1,200	43,100
1982	28,100	7,300	3,700	500	39,600
1983	26,500	6,300	3,600	500	36,900
1984	22,700	4,900	3,100	100	30,800
1985	19,500	5,500	3,100	*	28,100
1986	25,000	5,100	2,500	*	32,600
1987	20,100	6,000	2,200	*	28,300
1988	23,100	7,500	2,800	*	33,400
1989	24,336	7,412	2,800	*	34,548
1990	25,663	7,100	2,700	0	35,463
1991	28,245	7,190	4,118	0	39,553
1992	30,366	7,900	4,000	0	42,266
1993	31,239	7,900	3,961	0	43,100

1994	30,375	8,000	4,037	0	42,412
1995	30,621	8,641	3,927	0	43,189
1996	31,678	8,486	3,997	0	44,161
1997	31,080	8,352	3,870	0	43,302
1998	26,573	6,161	3,909	0	36,643
1999	25,076	5,822	3,362	0	34,260
2000	26,980	5,819	3,321	0	36,120
2001	26,339	6,103	3,469	0	35,911
2002	20,333	5,577	3,399	0	29,309

*CA data combined with WA data to avoid disclosure of individual operations

Source: USDA, NASS.

Table 3. U.S. Hop Stocks, September 1 1976-2002, (1000 lbs.)

Year	Brewer	Dealer/ Grower	Total
1976	48,050	2,350	50,400
1977	48,520	1,580	50,100
1978	45,430	2,110	47,540
1979	35,270	2,930	38,200
1980	31,420	1,380	32,800
1981	32,240	2,190	34,430
1982	43,740	3,290	47,030
1983	56,700	4,380	61,080
1984	60,480	7,616	68,096
1985	58,130	12,330	70,460
1986	60,630	10,320	70,950
1987	62,430	8,200	70,630
1988	49,090	10,910	60,000
1989	43,200	8,500	51,700
1990	46,810	5,080	51,890
1991	45,200	9,000	54,200
1992	46,270	9,980	56,250
1993	45,520	12,540	58,060
1994	47,070	15,930	63,000
1995	42,800	13,100	55,900
1996	47,000	11,700	58,700
1997	44,500	17,500	62,000
1998	41,000	14,000	55,000
1999	39,500	14,500	54,000
2000	37,500	10,500	48,000
2001	38,000	16,000	54,000
2002	30,000	35,000	65,000

Source: USDA/NASS.

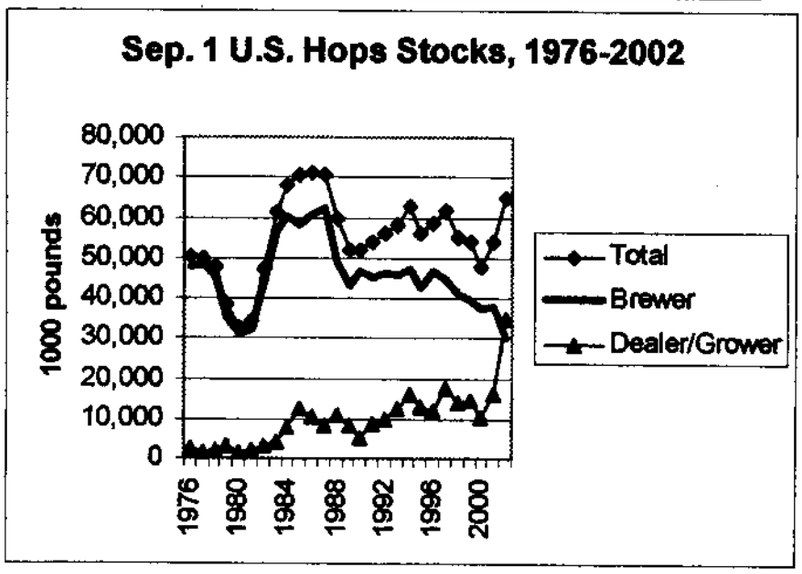


Table 4. US Hop Varieties: Acres, Yield, Production, 2002						
	States Where Grown	2002 Acres	Average Yield (lbs)	2002 Production (1000 lbs)	Pct of Total Prod.	Cum Pct of Total Prod.
Columbus/Tomahawk	WA	3,663	2,876	10,534.8	18.1%	18.1%
Willamette	WA/OR/ID	5,766	1,378	7,947.0	13.6%	31.7%
Zeus	WA/ID	2,742	2,472	6,779.1	11.6%	43.3%
Nugget	WA/OR/ID	3,309	2,023	6,695.3	11.5%	54.8%
Galena	WA/ID	3,791	1,628	6,170.3	10.6%	65.4%
Millenium	WA	1,572	2,576	4,049.7	6.9%	72.3%
Cascade	WA/OR	1,433	1,707	2,446.1	4.2%	76.5%
YCR5 (Warrior TM)	WA	988	2,125	2,099.5	3.6%	80.1%
Cluster	WA/ID	714	1,342	958.1	1.6%	81.7%
Chinook	WA	422	1,902	802.6	1.4%	83.1%
Chelan	WA	295	2,211	652.2	1.1%	84.2%
Perle	WA/ID	576	1,121	645.9	1.1%	85.3%
Mt. Hood	WA/OR/ID	372	1,495	556.2	1.0%	86.3%
Horizon	WA	337	1,409	474.8	0.8%	87.1%
Tillicum	WA	194	2,075	402.6	0.7%	87.8%
Northern Brewer	WA	107	1,806	193.2	0.3%	88.1%
Sterling	OR	194	840	163.0	0.3%	88.4%
Hallertauer	WA	76	1,193	90.7	0.2%	88.6%
Tettnanger	WA/OR	48	1,277	61.3	0.1%	88.7%
Liberty	OR	36	1,467	52.8	0.1%	88.8%
Golding	WA	26	1,188	30.9	0.1%	88.8%
Sum of 21 Varieties		26,661		51,806.1		
Other acres, prod.		2,648		6,530.5	11.2%	100.0%
Total for 2002		29,309	1,990	58,336.6		
Source: USDA (NASS)						

Table 5. U.S. Hops Production by Variety, 1996-2002

Varieties	1996	1997	1998	1999	2000	2001	2002
Columbus/Tomahawk	0.0	0.0	9956.5	10628.8	11778.0	12253.1	10534.8
Willamette	8542.1	11144.0	8261.9	8461.4	8504.0	8369.5	7947.0
Zeus	0.0	0.0	2.0	4237.9	6206.3	6727.4	6779.1
Nugget	15493.0	17901.0	12244.5	13658.9	13647.7	13712.8	6695.3
Galena	17519.8	13786.8	10720.0	11665.1	10509.2	8169.1	6170.3
Millenium	0.0	0.0	0.0	0.0	0.0	3115.8	4049.7
Cascade	2110.9	2032.5	1785.6	1821.1	1798.8	1790.4	2446.1
YCR5 (Warrior TM)	0.0	0.0	0.0	0.0	0.0	2670.1	2099.5
Cluster	10714.9	8381.9	5861.9	3230.9	2259.9	1409.0	958.1
Chinook	4224.6	3079.4	1570.9	1582.0	1311.2	918.6	802.6
Chelan	0.0	0.0	0.0	0.0	0.0	573.5	652.2
Perle	614.0	792.4	689.3	834.1	670.2	891.6	645.9
Mt. Hood	1714.1	1121.8	726.5	910.8	974.4	921.0	556.2
Horizon	0.0	0.0	97.5	332.3	395.0	414.9	474.8
Tillicum	0.0	0.0	0.0	0.0	0.0	677.5	402.6
Northern Brewer	0.0	0.0	0.0	0.0	0.0	124.5	193.2
Sterling	0.0	0.0	0.0	0.0	105.7	187.9	163.0
Hallertauer	0.0	0.0	0.0	0.0	0.0	73.6	90.7
Tettnanger	3173.3	2501.3	408.1	236.8	0.0	63.5	61.3
Liberty	0.0	0.0	0.0	0.0	0.0	0.0	52.8
Golding	94.8	450.9	288.5	205.0	174.1	55.4	30.9
Sum of 21 varieties	64,202	61,192	52,613	57,805	58,335	63,119	51,806
Other production	10,769	13,680	6,935	6,650	9,242	3,713	6,530
Total Production	74,970	74,872	59,548	64,455	67,576	66,832	58,336

Source: USDA (NASS)

Table 5a. Washington Hop Production by Variety, 1996-2002

Variety	1996	1997	1998	1999	2000	2001	2002
Columbus/Tomahawk			9,956.5	10,628.8	11,778.0	12,253.1	10,534.8
Zeus				3,840.8	5,381.8	5,834.4	6,779.1
Galena	16,447.0	12,736.8	9,824.3	10,615.8	9,538.2	7,345.6	6,170.3
Willamette	4,646.4	6,488.5	4,628.0	4,844.2	4,888.4	4,674.4	5,025.5
Millennium						2,815.1	3,417.8
Nugget	10,302.5	11,258.6	7,237.4	8,683.7	8,522.2	8,086.5	2,698.4
Cascade	2,110.9	2,032.5	1,785.6	1,821.1	1,798.8	1,790.4	2,125.6
YCR5 (Warrior TM)						2,670.1	2,099.5
Cluster	9,075.1	6,815.0	4,975.6	2,536.3	1,875.2	1,045.6	958.1
Chinook	4,224.6	3,079.4	1,570.9	1,582.0	1,311.2	918.6	802.6
Chelan						573.5	652.2
Horizon			97.5	332.3	395.0	414.9	474.8
Tillicum						677.5	402.6
Northern Brewer						124.5	193.2
Mt. Hood	1,279.7	712.8	371.8	426.2	420.9	376.3	136.1
Perle	293.6	330.2	186.5	292.1	215.9	226.3	120.2
Hallertauer						73.6	90.7
Tettnanger	2,329.5	1,923.7	226.8	129.0		63.5	61.3
Golding	94.8	220.6	89.6	51.5	39.5	55.4	30.9
Magnum				148.5	118.0	59.8	
Vanguard						74.1	
Other varieties	6,741.9	10,217.9	3,840.5	3,716.7	5,976.9	626.4	605.3
Total WA	57,546.0	55,816.0	44,791.0	49,649.0	52,260.0	50,779.6	43,379.0

Table 5b. Oregon Hop Production by Variety, 1996-2002

Variety	1996	1997	1998	1999	2000	2001	2002
Nugget	5,163.2	6,570.1	4,875.2	4,822.7	4,989.5	5,545.3	3,996.9
Willamette	3,755.9	4,505.1	3,473.2	3,284.2	3,318.0	3,463.6	2,921.5
Millenium						300.7	631.9
Perle	320.4	462.2	502.8	542.0	454.3	665.3	525.7
Mt. hood	402.2	391.5	339.7	461.7	447.5	506.3	420.1
Cascade							320.5
Sterling					105.7	187.9	163.0
Liberty							52.8
Fuggle	687.8	391.3	206.6	105.4	67.1		
Golding		230.3	198.9	153.5	134.6		
Santiam					22.5		
Tettnang	843.8	577.6	181.3	107.8			
Other Varieties	561.2	443.9	449.7	594.7	847.8	774.1	405.6
Total OR	11,734.5	13,572.0	10,227.4	10,072.0	10,387.0	11,443.2	9,438.0

Table 5c. Idaho Hop Production by Variety, 1996-2002

Variety	1996	1997	1998	1999	2000	2001	2002
Zeus			2.0	397.1	824.5	893.0	na
Galena	1,072.8	1,050.0	895.7	1,049.3	971.0	823.5	na
Cluster	1,639.8	1,566.9	886.3	694.6	384.7	363.4	na
Willamette	139.8	150.4	160.7	333.0	297.6	231.5	na
Chinook	571.5	612.0	507.6	383.9	340.0	195.2	na
Nugget	27.3	72.3	131.9	152.5	136.0	81.0	na
Mt. Hood	32.2	17.5	15.0	22.9	106.0	38.4	na
Other varieties	2,112.6	2,015.0	1,932.2	1,693.7	1,870.0	1,983.3	na
Total ID	5,596.0	5,484.1	4,531.4	4,727.0	4,929.8	4,609.3	3,399.0

Source: USDA NASS

Table 6. U.S. Hop Acreage by Variety, 1996-2002
(ranked in order of 2002 production quantities)

	1996	1997	1998	1999	2000	2001	2002
Columbus/Tomahawk	0	0	3,999	4,374	4,594	4,915	3,663
Willamette	6,969	7,578	6,437	5,933	5,899	6,220	5,766
Zeus	0	0	0	1,721	2,397	2,663	2,742
Nugget	8,677	8,620	7,305	6,437	6,973	6,431	3,309
Galena	8,633	7,626	6,512	5,907	5,579	4,927	3,791
Millenium	117	117	117	117	117	1,499	1,572
Cascade	1,045	1,037	992	906	996	1,003	1,433
YCR5 (Warrior TM)	0	0	0	0	0	1,370	988
Cluster	5,668	4,422	3,262	1,738	1,137	768	714
Chinook	2,234	1,692	1,007	791	670	535	422
Chelan	0	0	0	0	0	317	295
Perle	414	585	681	679	677	700	576
Mt. Hood	1,213	788	596	669	670	622	372
Horizon	0	0	130	268	316	339	337
Tillicum	0	0	0	0	0	369	194
Northern Brewer	0	0	0	0	0	0	107
Sterling	0	0	0	0	0	369	194
Hallertauer	0	0	0	0	0	76	76
Tettnanger	2,787	2,213	406	217	0	60	48
Liberty	0	0	0	0	0	0	36
Golding	87	406	318	145	151	45	26
Sum of 21 varieties	37,844	35,084	31,762	29,902	30,176	33,228	26,661
Other acres	6,317	8,218	4,881	4,358	5,944	2,683	2,648
Total acres	44,161	43,302	36,643	34,260	36,120	35,911	29,309

Source: USDA (NASS)

Table 6a. Washington Hop Acreage by Variety, 1996-2002

	1996	1997	1998	1999	2000	2001	2002
Columbus/Tomahawk			3999	4374	4594	4915	3663
Willamette	3520	4297	3922	3364	3563	3571	3639
Galena	7984	6960	5779	5282	5044	4375	3239
Zeus				1520	1994	2186	2265
Millennium						1382	1455
Nugget	5539	5492	4793	4195	4597	4109	1288
Cascade	1045	1037	992	906	996	1003	1216
YCR5 (Warrior TM)						1370	988
Cluster	4853	3625	2605	1321	939	534	480
Chinook	2234	1692	1007	791	670	535	422
Horizon			130	268	316	339	337
Chelan						317	295
Tillicum						369	194
Perle	233	256	296	273	275	209	124
Northern Brewer							107
Mt. Hood	955	540	361	384	367	333	97
Hallertauer						76	76
Tettnanger	1991	1564	252	129		60	48
Golding	87	161	83	35	36	45	26
Magnum				99	73	42	
Vanguard						54	
Other	3237	5456	2354	2135	3516	515	374
Total WA	31678	31080	26573	25076	26980	26339	20333

Table 6b. Oregon Hop Acreage by Variety, 1996-2002

	1996	1997	1998	1999	2000	2001	2002
Nugget	3101	3063	2415	2153	2308	2268	1967
Willamette	3259	3070	2290	2321	2142	2434	1912
Perle	181	329	385	406	402	491	452
Millenium						117	421
Mt. hood	238	238	225	253	250	257	243
Cascade							217
Sterling					62	91	86
Liberty							36
Fuggle	481	423	189	98	63		
Golding		245	235	110	115		
Santiam					17		
Tettnang	796	649	154	88			
Other Varieties	430	335	268	393	460	445	243
Total OR	8486	8352	6161	5822	5819	6103	5577

Table 6c. Idaho Hop Acreage by Variety, 1996-2002

	1996	1997	1998	1999	2000	2001	2002
Galena	849	666	733	625	535	552	*na*
Zeus				201	403	477	*na*
Cluster	815	797	657	417	198	234	*na*
Willamette	190	211	225	248	194	215	*na*
Chinook	343	342	384	202	170	120	*na*
Nugget	37	65	97	89	68	54	*na*
Mt. Hood	20	10	10	32	53	32	*na*
Other varieties	1943	1779	1803	1548	1700	1785	*na*
Total ID	3997	3870	3909	3362	3321	3469	~~6000~~ 5519.6

Source: USDA NASS

Table 7. U.S. Hops: Supply and Utilization, 1984-1996 (1000 lbs.)

	Supply				Utilization						
	Production	Carryin Stocks	Imports	Total Supply	Brewery Usage	Exports	Carryout Stocks	Balancing Item*	Total Utilization	Domestic Usage of US Hops**	Pct of Total Usage***
1984	56,053	68,096	14,774	138,923	41,465	31,352	70,460	-4,354	138,923	26,691	46%
1985	49,615	70,460	18,039	138,114	40,207	26,091	70,950	866	138,114	22,168	46%
1986	48,980	70,950	14,626	134,556	43,785	28,380	70,630	-8,239	134,556	29,159	51%
1987	50,048	70,630	11,138	131,816	43,716	30,155	60,000	-2,055	131,816	32,578	52%
1988	54,634	60,000	12,302	126,936	41,585	41,660	51,700	-8,009	126,936	29,283	41%
1989	59,326	51,700	17,243	128,269	41,517	42,878	51,890	-8,016	128,269	24,274	36%
1990	56,855	51,890	20,974	129,719	42,784	31,300	54,200	1,435	129,719	21,810	41%
1991	69,155	54,200	18,946	142,301	41,943	48,493	56,250	-4,385	142,301	22,997	32%
1992	74,337	56,250	9,264	139,851	40,491	43,786	58,060	-2,486	139,851	31,227	42%
1993	76,143	58,060	13,186	147,389	40,741	42,812	63,000	836	147,389	27,555	39%
1994	74,560	63,000	12,767	150,327	45,701	51,084	55,900	-2,358	150,327	32,934	39%
1995	78,852	55,900	13,127	147,879	45,847	43,232	58,700	100	147,879	32,720	43%
1996	74,971	58,700	12,800	146,471	44,137	40,519	62,000	-185	146,471	31,337	44%

*Statistical adjustment to account for differences in compiling supply and utilization data.
**Domestic usage is computed by subtracting imports from brewery usage.
***Domestic usage as a percentage of the sum of domestic usage and exports of US hops.
Note: The data series ends in 1996 when brewery usage data was no longer published.
Source: Hops Market News, USDA/AMS, various issues.

EX# 5

Table 8.
Hops: Season Average
Grower Prices
and Parity Prices
1945-2002

Crop Year	Parity Price**	Grower Price
1945*	$0.42	$0.65
1946*	$0.51	$0.63
1947*	$0.57	$0.68
1948*	$0.57	$0.56
1949*	$0.64	$0.57
1950*	$0.73	$0.62
1951	$0.75	$0.68
1952	$0.71	$0.61
1953*	$0.68	$0.46
1954	$0.65	$0.41
1955	$0.61	$0.41
1956	$0.61	$0.45
1957	$0.61	$0.54
1958	$0.62	$0.56
1959	$0.62	$0.51
1960	$0.61	$0.47
1961	$0.60	$0.44
1962	$0.61	$0.47
1963	$0.61	$0.49
1964	$0.63	$0.47
1965*	$0.66	$0.46
1966*	$0.68	$0.46
1967	$0.68	$0.46
1968	$0.69	$0.47
1969	$0.71	$0.71
1970	$0.74	$0.56
1971	$0.78	$0.66
1972	$0.89	$0.71
1973	$1.02	$0.76
1974	$1.13	$0.80
1975	$1.19	$0.83
1976	$1.24	$0.85
1977	$1.33	$0.90

1978	$1.50	$0.90
1979	$1.66	$0.98
1980	$1.89	$1.51
1981	$2.03	$1.51
1982	$2.17	$1.74
1983	$2.39	$1.93
1984	$2.59	$2.10
1985	$2.70	$2.03
1986	$2.82	$1.78
1987	$3.00	$1.51
1988	$3.18	$1.40
1989	$3.32	$1.38
1990	$3.42	$1.48
1991	$3.41	$1.68
1992	$3.50	$1.74
1993	$3.52	$1.76
1994	$3.53	$1.81
1995	$3.63	$1.71
1996	$3.66	$1.65
1997	$3.61	$1.60
1998	$3.65	$1.69
1999	$3.84	$1.69
2000	$4.06	$1.87
2001	$4.12	$1.91
2002	$4.29	$1.94

Source for grower prices: USDA, NASS, "Agricultural Prices", annual summaries.
Source for parity prices: USDA, NASS , "Agricultural Prices", monthly reports.
*For these years, parity price for some months was not available from "Agricultural Prices" and was computed by the Economic Analysis and Program Planning Branch / FV / AMS / USDA.
**Simple average of monthly prices.

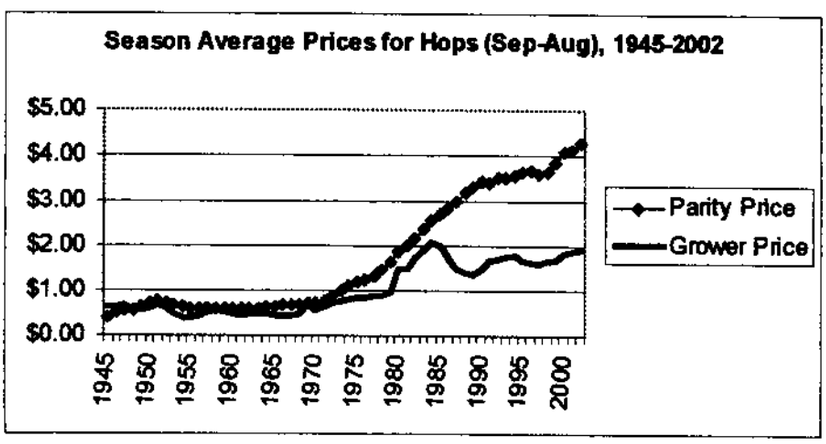


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Table 9: Value of U.S. Hops Exports and Imports (1000s of $),1974-2002

Year	Value of Hops Exports	Value of Hops Imports	Net Balance of Trade
1974	$26,546	$17,192	$9,354
1975	$25,920	$17,718	$8,202
1976	$26,625	$16,616	$10,009
1977	$29,591	$15,522	$14,069
1978	$27,008	$12,754	$14,254
1979	$34,147	$16,969	$17,178
1980	$51,365	$37,065	$14,300
1981	$102,669	$34,240	$68,429
1982	$72,456	$36,944	$35,512
1983	$62,755	$33,842	$28,913
1984	$58,191	$37,820	$20,371
1985	$54,150	$37,611	$16,539
1986	$53,551	$47,909	$5,642
1987	$54,795	$36,416	$18,379
1988	$61,704	$21,891	$39,813
1989	$84,446	$27,960	$56,486
1990	$80,643	$31,557	$49,086
1991	$73,852	$39,787	$34,065
1992	$103,914	$41,226	$62,688
1993	$108,275	$23,661	$84,614
1994	$98,400	$40,668	$57,732
1995	$126,400	$41,415	$84,985
1996	$105,304	$41,856	$63,448
1997	$99,245	$39,232	$60,013
1998	$97,603	$29,273	$68,330
1999	$77,615	$28,733	$48,882
2000	$89,623	$28,916	$60,707
2001	$121,315	$21,874	$99,441
2002	$97,912	$24,060	$73,852

Source: USDA: AMS Market News and FAS.
* Import price is defined generally as market value in foreign country, excluding import duties, ocean freight, and marine insurance
** Export price is value of exportation based on selling price, inland freight, insurance, and other charges to port.

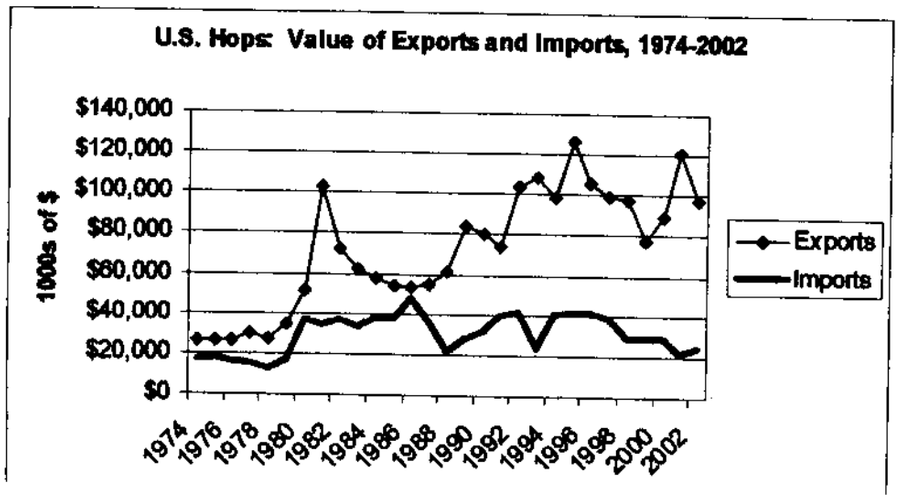

Table 10. Value of U.S. Hops Exports, 1990-2002 ($1000)

	September - August												
Export Destinations	**1990**	**1991**	**1992**	**1993**	**1994**	**1995**	**1996**	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**
Regions													
WORLD TOTAL	$87,416	$71,546	$102,769	$111,378	$98,383	$126,415	$105,177	$99,810	$92,024	$77,705	$90,050	$119,255	$97,785
EUROPEAN UNION	$15,923	$22,403	$36,372	$40,962	$26,888	$40,446	$36,205	$30,909	$26,978	$24,430	$31,106	$38,417	$30,759
SOUTH AMERICA	$36,520	$19,334	$17,400	$27,700	$23,020	$38,005	$25,873	$29,305	$25,214	$14,315	$19,285	$28,774	$21,077
NORTH AMERICA	$22,667	$17,738	$21,197	$24,444	$27,835	$27,374	$25,709	$23,025	$24,529	$23,736	$22,069	$21,708	$20,569
OTHER ASIA	$6,465	$7,278	$16,013	$11,604	$12,432	$13,889	$11,127	$10,622	$10,985	$7,813	$11,824	$17,357	$13,898
OTHER AFRICA	$1,519	$1,865	$3,198	$2,136	$2,700	$390	$898	$479	$485	$1,051	$780	$3,058	$3,672
OCEANIA	$197	$154	$453	$1,122	$2,112	$971	$1,269	$2,197	$1,699	$2,073	$1,746	$2,867	$2,938
CARIBBEAN	$1,003	$1,801	$1,258	$1,775	$816	$1,042	$1,328	$860	$828	$1,787	$1,545	$2,273	$2,074
CENTRAL AMERICA	$474	$777	$1,473	$1,189	$1,250	$2,549	$776	$1,147	$309	$508	$524	$824	$1,204
FORMER SOVIET UNION	$2,343	$0	$4,773	$0	$70	$774	$589	$603	$425	$454	$699	$451	$1,053
OTHER WEST EUROPE	$16	$164	$162	$353	$200	$376	$309	$300	$353	$283	$131	$620	$431
EASTERN EUROPE	$106	$0	$0	$0	$718	$499	$634	$186	$0	$1,089	$0	$196	$41
SOUTH ASIA	$79	$32	$85	$94	$55	$63	$268	$160	$203	$103	$92	$232	$35
MIDDLE EAST	$102	$0	$33	$0	$0	$36	$62	$17	$15	$62	$71	$1,670	$14
NORTH AFRICA	$0	$0	$352	$0	$287	$0	$132	$0	$0	$0	$157	$808	$0
Countries													
MEXICO	$12,550	$9,869	$12,559	$16,007	$18,983	$17,755	$16,042	$12,019	$15,593	$16,027	$16,032	$15,354	$14,574
BELGIUM-LUXEMBOURG	$2,118	$3,236	$4,296	$2,799	$3,128	$3,111	$3,144	$2,052	$2,414	$3,064	$6,141	$11,610	$10,707
GERMANY	$8,236	$11,214	$18,466	$22,047	$10,100	$19,088	$14,682	$8,366	$8,098	$7,576	$9,281	$11,834	$9,391
BRAZIL	$13,848	$13,150	$8,222	$9,451	$11,229	$21,187	$14,976	$17,673	$10,636	$6,522	$9,414	$15,469	$8,542
CANADA	$10,118	$7,869	$8,637	$8,437	$8,852	$9,619	$9,667	$11,007	$8,936	$7,709	$6,056	$8,354	$5,994
UNITED KINGDOM	$943	$2,532	$3,962	$7,246	$5,341	$8,634	$8,746	$6,920	$8,979	$7,933	$6,156	$5,724	$5,604
COLOMBIA	$17,856	$1,289	$3,423	$9,019	$2,136	$10,220	$4,418	$5,728	$7,521	$1,467	$3,694	$5,510	$4,957
VENEZUELA	$1,362	$1,276	$1,380	$3,407	$3,686	$308	$1,543	$1,288	$2,258	$2,060	$1,288	$2,371	$4,390
JAPAN	$739	$529	$819	$3,117	$3,187	$4,022	$2,285	$2,613	$2,423	$2,670	$2,020	$3,569	$4,190
NIGERIA	$537	$264	$1,637	$1,232	$1,528	$7	$255	$466	$284	$746	$371	$2,237	$3,138
HONG KONG	$128	$201	$311	$752	$619	$1,485	$1,836	$2,051	$2,466	$839	$3,009	$3,908	$2,584
AUSTRALIA	$99	$47	$331	$936	$1,581	$838	$1,136	$1,528	$1,431	$1,743	$1,461	$2,285	$2,575
NETHERLANDS	$2,177	$2,434	$5,572	$5,371	$6,428	$5,029	$4,932	$3,898	$2,583	$1,747	$3,653	$3,822	$2,226
KOREA, REPUBLIC OF	$77	$352	$5,663	$2,668	$3,022	$3,797	$2,656	$1,297	$921	$329	$1,304	$2,642	$2,205
THAILAND	$6	$0	$2,751	$0	$144	$404	$542	$254	$1,050	$1,402	$1,206	$2,967	$1,903
ARGENTINA	$180	$1,045	$1,285	$1,230	$1,768	$1,409	$1,283	$2,133	$1,757	$1,845	$2,042	$3,642	$1,562
IRELAND	$1,779	$1,152	$2,254	$160	$257	$1,334	$1,591	$1,566	$2,047	$1,781	$1,517	$2,316	$1,375
RUSSIAN FEDERATION	$2,343	$0	$3,041	$0	$52	$672	$589	$603	$274	$454	$699	$451	$1,053
DOMINICAN REPUBLIC	$611	$1,167	$579	$952	$334	$453	$656	$498	$635	$898	$877	$1,425	$931
PHILIPPINES	$4,806	$3,092	$3,961	$3,060	$4,236	$2,410	$2,094	$2,298	$1,198	$1,475	$1,813	$1,870	$806
VIETNAM				$0	$44	$288	$155	$30	$36	$138	$358	$550	$665
CHINA, PEOPLES REPUB	$0	$61	$121	$91	$11	$364	$311	$865	$1,564	$164	$1,104	$736	$641

ECUADOR	$921	$917	$387	$762	$561	$791	$915	$29	$929	$322	$1,117	$560	$640
ITALY	$0	$60	$4	$133	$315	$499	$597	$226	$4	$235	$557	$288	$600
SINGAPORE	$204	$348	$480	$554	$287	$251	$163	$62	$156	$133	$302	$175	$544
CAMEROON	$627	$605	$740	$590	$0	$99	$379	$0	$202	$26	$25	$474	$534
GREECE				$0	$105	$3	$0	$141	$0	$0	$642	$735	$469
SWITZERLAND	$0	$157	$162	$353	$200	$367	$302	$300	$353	$283	$131	$620	$428
CHILE	$544	$637	$792	$1,321	$1,201	$863	$812	$250	$484	$376	$324	$426	$420
PANAMA	$117	$0	$0	$0	$191	$123	$88	$12	$60	$17	$179	$98	$351
HAITI	$67	$84	$0	$0	$0	$54	$0	$0	$57	$317	$219	$231	$324
PARAGUAY	$169	$96	$232	$284	$280	$69	$63	$379	$106	$55	$236	$258	$309
GUATEMALA	$181	$262	$568	$422	$204	$339	$455	$495	$3	$156	$134	$182	$274
COSTA RICA	$0	$65	$235	$212	$306	$298	$78	$179	$32	$37	$37	$287	$269
MALAYSIA	$442	$456	$466	$274	$249	$644	$590	$290	$305	$321	$375	$375	$251
JAMAICA	$169	$237	$416	$578	$186	$292	$454	$202	$0	$164	$299	$317	$243
FRANCE(*)	$4	$652	$0	$133	$44	$1,247	$1,324	$5,701	$3,217	$742	$1,104	$1,314	$240
PERU	$1,649	$580	$891	$1,347	$1,400	$2,460	$1,298	$1,432	$876	$1,272	$857	$449	$234
NEW ZEALAND(*)	$0	$0	$10	$53	$374	$0	$0	$138	$205	$231	$184	$392	$223
TRINIDAD AND TOBAGO	$47	$29	$67	$59	$138	$112	$9	$111	$11	$286	$14	$159	$219
NETHERLANDS ANTILLES(	$29	$43	$35	$71	$38	$14	$44	$0	$0	$13	$78	$0	$172
EL SALVADOR	$0	$144	$169	$132	$178	$137	$79	$69	$14	$50	$24	$85	$153
LEEWARD-WINDWARD ISI	$43	$143	$66	$41	$32	$98	$39	$30	$102	$79	$37	$55	$150
SPAIN	$327	$705	$1,460	$1,482	$808	$509	$728	$914	$279	$77	$99	$134	$110
NICARAGUA	$92	$219	$331	$193	$93	$111	$34	$90	$145	$4	$132	$19	$107
PAPUA NEW GUINEA	$91	$73	$71	$61	$107	$88	$98	$490	$22	$87	$92	$102	$85
INDONESIA	$62	$151	$61	$125	$121	$129	$421	$421	$174	$63	$201	$119	$84
BELIZE	$0	$0	$4	$79	$40	$6	$15	$14	$24	$22	$12	$35	$49
POLAND				$0	$0	$13	$0	$0	$0	$0	$0	$0	$37
TAIWAN	$0	$2,088	$1,381	$963	$494	$56	$0	$405	$678	$0	$0	$5	$25
BARBADOS	$8	$16	$14	$27	$0	$14	$0	$20	$24	$11	$0	$42	$18
NEPAL	$0	$7	$10	$24	$12	$29	$39	$28	$17	$15	$24	$25	$18
INDIA	$39	$0	$19	$0	$6	$34	$214	$132	$166	$27	$44	$57	$17
BAHAMAS, THE	$29	$62	$54	$29	$69	$6	$69	$0	$0	$18	$22	$43	$16
SURINAME	$20	$45	$0	$38	$0	$110	$0	$0	$0	$4	$0	$0	$16
FINLAND	$12	$46	$29	$249	$81	$124	$0	$209	$147	$363	$511	$118	$15
TURKEY				$0	$0	$0	$0	$0	$0	$0	$47	$160	$14
PORTUGAL	$328	$365	$210	$411	$259	$751	$19	$842	$1,050	$586	$1,089	$306	$12
DENMARK(*)	$0	$6	$114	$610	$23	$118	$89	$74	$160	$325	$319	$214	$10
URUGUAY	$63	$141	$244	$268	$299	$208	$254	$96	$215	$82	$89	$17	$7
CROATIA				$0	$0	$0	$0	$0	$0	$0	$0	$51	$5
NORWAY(*)	$16	$7	$0	$0	$0	$6	$6	$0	$0	$0	$0	$0	$3
ALGERIA				$0	$0	$0	$0	$0	$0	$0	$0	$533	$0
SYRIA				$0	$0	$0	$0	$0	$0	$0	$0	$473	$0
CAMBODIA				$0	$17	$58	$71	$38	$15	$0	$108	$431	$0

JORDAN				$0	$0	$0	$0	$0	$15	$0	$24	$350	$0
SAUDI ARABIA	$0	$0	$33	$0	$0	$0	$62	$0	$0	$62	$0	$293	$0
EGYPT	$0	$0	$352	$0	$287	$0	$0	$0	$0	$0	$157	$271	$0
MADAGASCAR				$0	$0	$0	$0	$0	$0	$0	$243	$233	$0
YEMEN(*)				$0	$0	$0	$0	$0	$0	$0	$0	$215	$0
BULGARIA				$0	$472	$69	$429	$66	$0	$0	$0	$145	$0
HONDURAS	$84	$88	$147	$151	$238	$1,536	$27	$288	$30	$221	$6	$138	$0
UNITED ARAB EMIRATES				$0	$0	$18	$0	$0	$0	$0	$0	$126	$0
SRI LANKA	$11	$0	$27	$38	$0	$0	$0	$0	$20	$45	$7	$104	$0
FRENCH PACIFIC ISLAN(*)	$4	$4	$4	$64	$50	$45	$35	$41	$42	$12	$29	$88	
BOLIVIA	$98	$159	$545	$569	$461	$381	$309	$296	$431	$311	$225	$70	$0
KUWAIT				$0	$0	$0	$0	$0	$0	$0	$0	$48	$0
PAKISTAN	$29	$22	$11	$32	$36	$0	$15	$0	$0	$17	$11	$47	$0
SOUTH AFRICA, REPUBL	$64	$263	$261	$314	$218	$52	$106	$0	$0	$115	$57	$39	$0
LESOTHO	$45	$45	$0	$0	$48	$0	$0	$0	$0	$0	$59	$30	$0
SUDAN				$0	$0	$0	$0	$0	$0	$0	$0	$29	$0
MAURITANIA				$0	$0	$0	$0	$0	$0	$0	$0	$15	$0
BURMA				$0	$0	$0	$0	$0	$0	$0	$0	$9	$0
OMAN				$0	$0	$0	$0	$0	$0	$0	$0	$6	$0
MOROCCO				$0	$0	$0	$132	$0	$0	$0	$0	$4	$0
HUNGARY				$0	$245	$417	$200	$62	$0	$910	$0	$0	$0
MACAU				$0	$0	$0	$0	$0	$0	$281	$24	$0	$0
CZECH REPUBLIC	$106	$0	$0	$0	$0	$0	$0	$20	$0	$179	$0	$0	$0
GHANA	$46	$43	$232	$0	$111	$0	$130	$0	$0	$115	$26	$0	$0
TANZANIA, UNITED REP				$0	$497	$0	$0	$0	$0	$37	$0	$0	$0
SEYCHELLES	$0	$11	$0	$0	$0	$0	$0	$13	$0	$12	$0	$0	$0
SWEDEN	$0	$0	$8	$3	$0	$0	$353	$0	$0	$0	$37	$0	$0
BANGLADESH	$0	$3	$18	$0	$0	$0	$0	$0	$0	$0	$5	$0	$0
LATVIA(*)				$0	$18	$19	$0	$0	$151	$0	$0	$0	$0
SLOVENIA				$0	$0	$0	$0	$38	$0	$0	$0	$0	$0
ISRAEL(*)				$0	$0	$12	$0	$17	$0	$0	$0	$0	$0
FRENCH WEST INDIES(*)	$0	$21	$0	$18	$19	$0	$58	$0	$0	$0	$0	$0	$0
SIERRA LEONE				$0	$0	$14	$28	$0	$0	$0	$0	$0	$0
ROMANIA				$0	$0	$0	$4	$0	$0	$0	$0	$0	$0
TOGO	$48	$496	$119	$0	$265	$218	$0	$0	$0	$0	$0	$0	$0
LITHUANIA(*)				$0	$0	$83	$0	$0	$0	$0	$0	$0	$0
LEBANON				$0	$0	$7	$0	$0	$0	$0	$0	$0	$0
CYPRUS				$0	$0	$3	$0	$0	$0	$0	$0	$0	$0
COTE D'IVOIRE				$0	$33	$0	$0	$0	$0	$0	$0	$0	$0
AUSTRIA				$317	$0	$0	$0	$0	$0	$0	$0	$0	$0
WESTERN SAMOA	$3	$34	$0	$9	$0	$0	$0	$0	$0	$0	$0	$0	$0
GUYANA	$10	$0	$0	$5	$0	$0	$0	$0	$0	$0	$0	$0	$0

Source: Department of Commerce, U.S. Census Bureau, Foreign Trade Statistics. Compiled by USDA, FAS.

Table 11. Value of Hops Imports into U.S., 1990-2002 ($1000)

	September - August												
Import Origin/Region	**1990**	**1991**	**1992**	**1993**	**1994**	**1995**	**1996**	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**
WORLD TOTAL	$35,339	$37,694	$39,668	$23,160	$37,223	$37,792	$41,901	$39,166	$30,177	$29,715	$28,922	$21,700	$24,080
EUROPEAN UNION	$25,318	$23,741	$19,163	$12,358	$25,388	$26,749	$36,887	$34,601	$26,930	$27,276	$24,538	$18,009	$22,413
OCEANIA	$590	$1,831	$2,270	$1,668	$2,138	$2,246	$2,648	$2,471	$2,027	$1,860	$2,358	$3,460	$1,124
EASTERN EUROPE	$7,908	$6,768	$14,079	$7,620	$8,753	$7,728	$1,970	$1,674	$871	$579	$2,005	$227	$502
OTHER ASIA	$140	$3,838	$3,546	$804	$0	$38	$32	$0	$0	$0	$0	$0	$19
OTHER WEST EUROPE	$0	$0	$14	$0	$5	$0	$0	$0	$0	$0	$10	$5	$2
NORTH AMERICA	$1,383	$1,480	$596	$708	$935	$940	$564	$257	$350	$0	$2	$0	$0
CARIBBEAN				$1	$0	$0	$0	$0	$0	$0	$0	$0	$0
CENTRAL AMERICA				$0	$0	$93	$0	$0	$0	$0	$0	$0	$0
SOUTH AMERICA	$0	$37	$0	$0	$0	$0	$0	$102	$0	$0	$0	$0	$0
FORMER SOVIET UNION				$0	$3	$0	$0	$0	$0	$0	$0	$0	$0
NORTH AFRICA				$0	$2	$0	$0	$0	$0	$0	$0	$0	$0
OTHER AFRICA				$0	$0	$0	$0	$61	$0	$0	$10	$0	$0
Import Origin/Country													
GERMANY(*)	$24,128	$22,204	$17,466	$10,289	$21,494	$21,976	$30,226	$27,776	$21,096	$22,659	$19,321	$11,788	$15,739
FRANCE(*)	$1,154	$1,121	$1,476	$1,543	$2,866	$3,499	$4,236	$4,290	$3,506	$3,870	$4,361	$5,327	$5,806
UNITED KINGDOM	$18	$290	$197	$526	$1,028	$1,288	$2,212	$2,535	$2,328	$737	$856	$826	$1,049
AUSTRALIA(*)	$405	$1,710	$1,876	$767	$926	$1,126	$1,311	$1,303	$702	$886	$731	$1,929	$1,008
CZECH REPUBLIC	$6,357	$5,245	$11,434	$5,848	$7,159	$7,000	$1,019	$1,349	$762	$549	$1,978	$207	$425
NEW ZEALAND(*)	$185	$121	$394	$901	$1,211	$1,120	$1,337	$1,168	$1,325	$974	$1,627	$1,531	$115
SLOVENIA				$319	$6	$51	$187	$50	$85	$30	$0	$20	$77
BELGIUM-LUXEMBOURG(*)	$20	$34	$24	$0	$0	$0	$3	$0	$0	$10	$0	$68	$19
HONG KONG				$0	$0	$0	$0	$0	$0	$0	$0	$0	$19
SWITZERLAND(*)	$0	$0	$14	$0	$5	$0	$0	$0	$0	$0	$10	$5	$2
ARGENTINA				$0	$0	$0	$0	$102	$0	$0	$0	$0	$0
BULGARIA				$0	$0	$0	$0	$0	$0	$0	$5	$0	$0
CANADA	$1,383	$1,480	$596	$708	$935	$940	$564	$257	$350	$0	$2	$0	$0
CHINA, PEOPLES REPUB	$53	$3,838	$3,546	$804	$0	$38	$32	$0	$0	$0	$0	$0	$0
COSTA RICA				$0	$0	$93	$0	$0	$0	$0	$0	$0	$0
IRELAND				$0	$0	$5	$0	$0	$0	$0	$0	$0	$0
ETHIOPIA(*)				$0	$0	$0	$0	$3	$0	$0	$10	$0	$0
SLOVAKIA				$0	$0	$3	$0	$0	$21	$0	$0	$0	$0
MOROCCO				$0	$2	$0	$0	$0	$0	$0	$0	$0	$0
NETHERLANDS				$0	$0	$0	$11	$0	$0	$0	$0	$0	$0
POLAND	$821	$717	$2,054	$1,453	$1,588	$672	$763	$274	$3	$0	$22	$0	$0
SIERRA LEONE				$0	$0	$0	$0	$58	$0	$0	$0	$0	$0
UKRAINE				$0	$3	$0	$0	$0	$0	$0	$0	$0	$0
LEEWARD-WINDWARD ISL(*)				$1	$0	$0	$0	$0	$0	$0	$0	$0	$0

Source: Department of Commerce, U.S. Census Bureau, Foreign Trade Statistics. Compiled by USDA, FAS.

Table 12. Annual commodity trade weighted exchange rates.

	U.S. Markets--Total Trade	U.S. Markets--Agricultural Trade	U.S. Suppliers--Agricultural Trade
1970	78.45	77.74	55.67
1971	77.81	77.21	56.35
1972	74.64	73.66	55.44
1973	70.70	69.13	54.22
1974	70.06	67.57	55.56
1975	71.66	69.25	59.15
1976	73.86	72.26	57.04
1977	71.65	67.56	60.30
1978	69.83	63.85	59.22
1979	72.08	67.15	60.03
1980	72.80	68.84	59.47
1981	78.92	76.56	68.13
1982	87.97	86.69	78.28
1983	93.36	92.32	85.75
1984	99.28	99.83	90.51
1985	103.85	104.71	94.29
1986	97.28	92.36	88.81
1987	91.58	85.54	83.48
1988	85.51	79.94	78.77
1989	87.29	83.61	81.91
1990	85.02	82.98	77.36
1991	83.68	82.41	77.44
1992	83.60	83.66	75.64
1993	85.58	84.22	79.58
1994	85.85	82.88	80.58
1995	84.47	79.52	79.10
1996	86.03	82.13	78.58
1997	89.51	87.43	82.66
1998	95.86	94.78	89.49
1999	96.04	94.45	92.15
2000	99.97	99.97	99.97
2001	105.57	107.17	104.19
2002	107.15	110.35	103.39
2003	99.98	105.18	91.68

Source: USDA, Economic Research Service.

Table 13. Number of U.S. Hop Farms, 1997 and 1992

	1997	Pct.	1992	Pct.
Washington	76	63.9%	79	59.4%
Oregon	36	30.3%	43	32.3%
Idaho	7	5.9%	11	8.3%
Total U.S.	119		133	

Source: USDA, Census of Agriculture, 1997 and 1992.