



# 2015

## *STATISTICAL REPORT*

RELEASED JANUARY 2016

PRESENTED BY  
HOP GROWERS OF AMERICA



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Conversions used while compiling  
the data presented in this document:

1 hectare = 2.4711 acres  
1 acre = 0.405 hectares  
1 kilogram = 2.2046 pounds  
1 pound = 0.45 kilograms  
1 metric tonne = 2204.6 pounds  
1 hectoliter = 21.997 gallons  
1 zentner = 110.23 pounds

***Editor's Note:*** For 2015 the Hop Acreage chart on pages 4-5 has been enhanced to include estimates for 21 additional states. Data for Oregon, Washington and Idaho was provided by the USDA-NASS from annual grower surveys. Estimates for the remaining states were provided to Hop Growers of America by a network of growers, researchers, Extension specialists, brewers, and hop marketers. We will continue to expand and refine data collection for these and other new hop producing states in future years, including the addition of yield and production calculations.

***Special thanks to members of the Great Lakes Hop Working Group and Hop Growers of America Small Grower Council for their assistance in estimating acreage for many of these additional states.***

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## U.S. HOP ACREAGE BY STATE AND VARIETY (FIVE YEARS)

STATE/PROVINCE & VARIETY	ACRES HARVESTED					2014-15
	2011	2012	2013	2014	2015	% +/-
<b>ALABAMA</b>	*	*	*	*	0.3	
<b>ARIZONA</b>	*	*	*	*	1.0	
<b>CALIFORNIA</b>	*	*	*	65.0	85.0	30.77%
<b>COLORADO</b>	*	*	*	75.0	125.0	66.67%
<b>IDAHO #</b>						
Apollo®	*	*	291.0	285.0	286.0	0.35%
Bravo®	*	*	136.0	126.0	166.0	31.75%
Calypso	*	*	*	*	81.0	
Cascade	*	*	628.0	821.0	770.0	-6.21%
Centennial	*	*	57.0	74.0	*	
Chinook	*	*	324.0	344.0	358.0	4.07%
Citra® (HBC 394)	*	*	19.0	91.0	412.0	352.75%
Crystal	*	*	*	29.0	*	
El Dorado®	*	*	14.0	63.0	205.0	225.40%
Mosaic™ (HBC 369)	*	*	*	*	272.0	
Simcoe® (YCR 14)	*	*	*	67.0	199.0	197.01%
Super Galena	*	*	275.0	161.0	92.0	-42.86%
Zeus	*	*	548.0	662.0	661.0	-0.15%
Experimental	*	*	5.0	41.0	72.0	75.61%
Other Varieties	*	*	1,059.0	979.0	1,289.0	31.66%
<b>TOTAL IDAHO #</b>	2,265.0	2,596.0	3,356.0	3,743.0	4,863.0	29.92%
<b>ILLINOIS</b>	*	*	*	10.0	30.0	200.00%
<b>INDIANA</b>	*	*	*	8.0	25.0	212.50%
<b>IOWA</b>	*	*	*	*	5.0	
<b>MAINE</b>	*	*	*	10.0	11.5	15.00%
<b>MARYLAND</b>	*	*	*	*	15.0	
<b>MICHIGAN</b>	*	*	*	300.0	320.0	6.67%
<b>MINNESOTA</b>	*	*	*	20.0	26.0	30.00%
<b>MONTANA</b>	*	*	*	1.0	1.0	0.00%
<b>NEBRASKA</b>	*	*	*	12.0	17.0	41.67%
<b>NEW JERSEY</b>	*	*	*	*	1.0	
<b>NEW YORK</b>	*	*	*	150.0	250.0	66.67%
<b>NORTH CAROLINA</b>	*	*	*	30.0	40.0	33.33%
<b>OHIO</b>	*	*	*	30.0	50.0	66.67%
<b>OREGON #</b>						
Cascade	263.0	346.0	423.0	961.0	1,085.0	12.90%
Centennial	*	208.0	249.0	443.0	631.0	42.44%
Chinook	*	*	*	*	129.0	
Citra® (HBC 394)	*	*	*	*	246.0	
Crystal	*	*	*	*	377.0	
Fuggle	*	*	91.0	*	85.0	
Golding	*	*	194.0	234.0	238.0	1.71%
Liberty	108.0	83.0	*	*	210.0	
Magnum	64.0	58.0	104.0	176.0	199.0	13.07%
Mt. Hood	214.0	226.0	221.0	269.0	288.0	7.06%
Nugget	1,438.0	1,570.0	1,667.0	1,363.0	1,484.0	8.88%
Perle	98.0	*	55.0	100.0	*	
Simcoe® (YCR 14)	*	*	*	*	191.0	
Sterling	86.0	*	122.0	130.0	209.0	60.77%
Super Galena	241.0	175.0	204.0	125.0	82.0	-34.40%
Tettnanger	70.0	61.0	*	*	133.0	
Willamette	779.0	905.0	553.0	564.0	661.0	17.20%
Experimental	*	*	35.0	*	*	
Other Varieties	841.0	759.0	917.0	1,045.0	364.0	-65.17%
<b>TOTAL OREGON #</b>	4,202.0	4,391.0	4,835.0	5,410.0	6,612.0	22.22%
<b>PENNSYLVANIA</b>	*	*	*	*	5.5	
<b>VERMONT</b>	*	*	*	25.0	45.0	80.00%
<b>VIRGINIA</b>	*	*	*	25.0	30.0	20.00%

STATE/PROVINCE & VARIETY	ACRES HARVESTED					2014-15
	2011	2012	2013	2014	2015	% +/-
<b>WASHINGTON #</b>						
ADHA-483 Azacca™	*	*	*	79.0	175.0	121.52%
ADHA-881 Jarrylo™	*	*	*	75.0	122.0	62.67%
Ahtanum™	*	176.0	211.0	194.0	145.0	-25.26%
Apollo®	885.0	874.0	701.0	700.0	708.0	1.14%
Bravo®	593.0	528.0	493.0	584.0	569.0	-2.57%
Cascade	2,108.0	2,380.0	4,237.0	4,837.0	4,935.0	2.03%
Centennial	641.0	1,478.0	1,869.0	2,836.0	3,770.0	32.93%
Chinook	572.0	1,215.0	1,415.0	1,297.0	1,300.0	0.23%
Citra® (HBC 394)	239.0	538.0	1,296.0	1,670.0	2,335.0	39.82%
Cluster	482.0	546.0	802.0	728.0	666.0	-8.52%
Columbus/Tomahawk®	2,947.0	2,223.0	2,336.0	1,738.0	1,673.0	-3.74%
Comet	*	*	*	*	108.0	
Crystal	*	154.0	214.0	181.0	131.0	-27.62%
El Dorado®	*	*	82.0	82.0	243.0	196.34%
Galena	1,415.0	954.0	440.0	306.0	295.0	-3.59%
Glacier	44.0	56.0	98.0	126.0	155.0	23.02%
Golding	*	*	105.0	94.0	53.0	-43.62%
Magnum	*	*	*	*	108.0	
Millennium	403.0	397.0	420.0	113.0	*	
Mosaic™ (HBC 369)	*	*	382.0	671.0	1,528.0	127.72%
Mt. Hood	95.0	120.0	168.0	150.0	130.0	-13.33%
Northern Brewer	159.0	120.0	170.0	131.0	123.0	-6.11%
Nugget	861.0	875.0	395.0	265.0	202.0	-23.77%
Simcoe® (YCR 14)	495.0	940.0	1,298.0	1,819.0	2,916.0	60.31%
Summit™	2,477.0	*	2,844.0	2,522.0	1,620.0	-35.77%
Super Galena®	990.0	959.0	771.0	606.0	351.0	-42.08%
Tettnanger	*	76.0	95.0	*	*	
Vanguard	*	59.0	76.0	58.0	84.0	44.83%
Willamette	894.0	692.0	522.0	595.0	698.0	17.31%
YCR-4 - Palisade®	308.0	264.0	132.0	223.0	454.0	103.59%
YCR-5 - Warrior®	260.0	195.0	180.0	192.0	*	
Zeus	4,159.0	2,953.0	3,277.0	3,375.0	2,989.0	-11.44%
Experimental	*	*	258.0	392.0	316.0	-19.39%
Other	2,293.0	3,924.0	1,810.0	2,219.0	3,256.0	46.73%
<b>TOTAL WASHINGTON #</b>	<b>23,320.0</b>	<b>22,696.0</b>	<b>27,097.0</b>	<b>28,858.0</b>	<b>32,158.0</b>	<b>11.44%</b>
<b>WISCONSIN</b>	*	*	*	120.0	170.0	41.67%
<b>TOTAL PACIFIC NORTHWEST</b>	<b>29,787.0</b>	<b>29,683.0</b>	<b>35,288.0</b>	<b>38,011.0</b>	<b>43,633.0</b>	<b>14.79%</b>
<b>TOTAL NON-PNW US</b>	*	*	*	881.0	1,249.0	41.77%
<b>TOTAL UNITED STATES</b>	<b>29,787.0</b>	<b>29,683.0</b>	<b>35,288.0</b>	<b>38,892.0</b>	<b>44,882.0</b>	<b>15.40%</b>
<b>BRITISH COLUMBIA</b>					79.0	
<b>MANITOBA</b>					5.0	
<b>NEW BRUNSWICK</b>					20.0	
<b>NOVA SCOTIA</b>					15.0	
<b>ONTARIO</b>					60.0	
<b>PRINCE EDWARD ISLAND</b>					7.5	
<b>QUEBEC</b>					70.0	
<b>TOTAL CANADA</b>					<b>256.5</b>	
<b>TOTAL NORTH AMERICA</b>	<b>29,787.0</b>	<b>29,683.0</b>	<b>35,288.0</b>	<b>38,892.0</b>	<b>45,138.5</b>	

SOURCE: USDA-NASS (for Idaho, Oregon and Washington) and Hop Growers of America (for remaining state estimates). Prepared by HGA.

<sup>1</sup> Prior to 2013, only State totals were published for Idaho to avoid disclosure of individual operations.

<sup>2</sup> "Other Varieties" includes data to avoid disclosure of individual operations.

## HOP YIELDS BY STATE AND VARIETY (FIVE YEARS)

STATE & VARIETY	YIELDS (POUNDS PER ACRE)					2014-15 % +/-
	2011	2012	2013	2014	2015	
<b>IDAHO</b>						
Apollo®	*	*	2,230	2,004	2,062	2.89%
Bravo®	*	*	2,430	2,579	2,625	1.78%
Calypso	*	*	*	*	1,710	
Cascade	*	*	1,224	1,746	1,633	-6.47%
Centennial	*	*	1,004	754	*	
Chinook	*	*	1,801	1,673	1,850	10.58%
Citra® (HBC 394)	*	*	1,011	1,200	1,271	5.92%
Crystal	*	*	*	2,186	*	
El Dorado®	*	*	971	1,144	1,125	-1.66%
Mosaic™ (HBC 369)	*	*	*	*	2,278	
Simcoe® (YCR 14)	*	*	*	969	1,576	
Super Galena®	*	*	2,201	2,165	2,189	1.11%
Zeus	*	*	3,049	2,891	2,909	0.62%
Experimental	*	*	2,800	1,366	1,269	-7.10%
Other Varieties <sup>2</sup>	*	*	1,063	1,354	1,348	-0.44%
<b>Total Idaho<sup>1</sup></b>	<b>2,408</b>	<b>1,745</b>	<b>1,740</b>	<b>1,847</b>	<b>1,794</b>	<b>-2.87%</b>
<b>OREGON</b>						
Cascade	1,616	1,802	1,483	1,402	1,994	42.23%
Centennial	*	1,779	1,585	1,095	1,352	23.47%
Chinook	*	*	*	*	1,861	
Citra® (HBC 394)	*	*	*	*	980	
Crystal	*	*	*	*	2,011	
Fuggle	*	*	827	*	1,066	
Golding	*	*	1,148	955	837	-12.36%
Liberty	1,326	2,519	*	*	1,360	
Magnum	1,928	2,519	1,406	1,077	1,572	45.96%
Mt. Hood	1,890	1,737	1,567	1,450	1,276	-12.00%
Nugget	2,317	1,897	2,053	1,978	1,888	-4.55%
Perle	1,622	*	1,178	1,057	*	
Simcoe® (YCR 14)	*	*	*	*	1,678	
Sterling	1,915	*	1,621	1,423	1,344	-5.55%
Super Galena®	2,263	2,763	1,852	2,309	2,340	1.34%
Tettnanger	1,634	1,493	*	*	1,242	
Willamette	1,716	1,663	1,491	1,453	1,226	-15.62%
Experimental	*	*	1,734	*	*	
Other Varieties <sup>2</sup>	1,511	1,253	1,931	1,426	1,609	12.83%
<b>Total Oregon</b>	<b>1,908</b>	<b>1,885</b>	<b>1,764</b>	<b>1,520</b>	<b>1,613</b>	<b>6.12%</b>
<b>WASHINGTON</b>						
ADHA-483 Azacca™	*	*	*	1,704	1,872	9.86%
ADHA-881 Jarrylo™	*	*	*	1,548	1,541	-0.45%
Ahtanum	*	1,489	1,647	1,680	1,557	-7.32%
Apollo®	2,758	2,655	2,926	2,649	2,738	3.36%
Bravo®	2,609	2,647	2,860	2,768	2,824	2.02%
Cascade	1,955	1,972	1,723	1,824	1,936	6.14%
Centennial	1,403	1,354	1,554	1,347	1,145	-15.00%
Chinook	1,718	1,699	1,987	1,815	1,793	-1.21%
Citra® (HBC 394)	1,812	1,342	1,405	1,570	1,541	-1.85%
Cluster	2,019	1,965	1,948	1,825	1,705	-6.58%
Columbus/Tomahawk®	2,519	2,452	2,571	2,629	2,524	-3.99%
Comet	*	*	*	*	1,780	
Crystal	*	1,184	1,286	1,366	1,183	-13.40%
El Dorado®	*	*	1,761	2,206	2,155	-2.31%
Galena	1,821	1,742	1,969	1,801	1,968	9.27%
Glacier	2,182	1,461	1,258	1,202	996	-17.14%
Golding	*	*	1,010	772	854	10.62%
Magnum	*	*	*	*	1,255	
Millennium	2,562	2,017	2,266	1,996	*	
Mosaic™ (HBC 369)	*	*	1,709	2,225	2,036	-8.49%
Mt. Hood	838	1,264	1,161	1,333	1,069	-19.80%
Northern Brewer	1,698	1,443	1,256	1,244	991	-20.34%
Nugget	1,969	1,679	1,931	1,538	1,927	25.29%
Simcoe® (YCR 14)	1,779	1,679	1,682	1,542	1,540	-0.13%
Summit™	2,705	*	1,873	2,105	1,969	-6.46%
Super Galena®	3,041	2,645	2,816	2,562	2,729	6.52%
Tettnanger	*	1,003	755	*	*	
Vanguard	*	1,280	1,349	1,455	1,223	-15.95%
Willamette	1,510	1,359	1,240	1,130	1,007	-10.88%
YCR-4 - Palisade®	2,562	2,356	2,790	2,469	1,950	-21.02%
YCR-5 - Warrior®	2,061	1,968	2,169	1,821	*	
Zeus	2,572	2,565	2,940	2,811	2,819	0.28%
Experimental	*	*	1,562	1,625	1,545	-4.92%
Other Varieties <sup>2</sup>	1,987	1,993	1,697	1,418	1,603	13.05%
<b>Total Washington</b>	<b>2,200</b>	<b>2,047</b>	<b>2,025</b>	<b>1,936</b>	<b>1,849</b>	<b>-4.49%</b>
<b>Total Pacific Northwest</b>	<b>2,175</b>	<b>1,985</b>	<b>1,962</b>	<b>1,868</b>	<b>1,807</b>	<b>-3.27%</b>

SOURCE: USDA-NASS. Prepared by HGA. State and variety yields for production outside of the Pacific Northwest are not yet reported.

<sup>1</sup> Prior to 2013, only State totals published for Idaho to avoid disclosure of individual operations.

<sup>2</sup> "Other Varieties" includes data to avoid disclosure of individual operations.

## HOP PRODUCTION BY STATE AND VARIETY (FIVE YEARS)

STATE/PROVINCE & VARIETY	HOP PRODUCTION (POUNDS)					2014-15 % +/-
	2011	2012	2013	2014	2015	
<b>IDAHO</b>						
Apollo®	*	*	649,000	571,100	589,600	3.24%
Bravo®	*	*	330,500	324,900	435,700	34.10%
Calypso	*	*	*	*	138,500	
Cascade	*	*	768,900	1,433,100	1,257,800	-12.23%
Centennial	*	*	57,200	55,800	*	
Chinook	*	*	583,400	575,400	662,200	15.09%
Citra® (HBC 394)	*	*	19,200	109,200	523,700	379.58%
Crystal	*	*	*	63,400	*	
El Dorado®	*	*	13,600	72,100	230,600	219.83%
Mosaic™ (HBC 369)	*	*	*	*	619,700	
Simcoe® (YCR 14)	*	*	*	64,900	313,600	
Super Galena®	*	*	605,400	348,500	201,400	-42.21%
Zeus	*	*	1,670,800	1,913,900	1,922,800	0.47%
Experimental	*	*	14,000	56,000	91,400	63.21%
Other Varieties <sup>2</sup>	*	*	1,125,900	1,325,500	1,737,900	31.11%
<b>Total Idaho<sup>1</sup></b>	<b>5,454,100</b>	<b>4,778,200</b>	<b>5,837,900</b>	<b>6,913,800</b>	<b>8,724,900</b>	<b>26.20%</b>
<b>OREGON</b>						
Cascade	425,000	623,500	627,100	1,347,400	2,163,000	60.53%
Centennial	*	370,000	394,600	485,200	853,300	75.87%
Chinook	*	*	*	*	240,000	
Citra® (HBC 394)	*	*	*	*	241,000	
Crystal	*	*	*	*	758,100	
Fuggle	*	*	75,300	*	90,600	
Golding	*	*	222,700	223,500	199,300	-10.83%
Liberty	143,200	126,700	*	*	285,600	
Magnum	123,400	146,100	146,200	189,600	312,900	65.03%
Mt. Hood	404,500	392,600	346,200	390,000	367,600	-5.74%
Nugget	3,332,100	2,978,000	3,422,000	2,696,400	2,802,100	3.92%
Perle	159,000	*	64,800	105,700	*	
Simcoe® (YCR 14)	*	*	*	*	320,500	
Sterling	164,700	*	197,800	185,000	280,800	51.78%
Super Galena®	545,500	483,600	377,800	288,600	191,900	-33.51%
Tettanager	114,400	91,100	*	*	165,200	
Willamette	1,337,000	1,504,700	824,700	819,500	810,300	-1.12%
Experimental	*	*	60,700	*	*	
Other Varieties <sup>2</sup>	1,270,600	951,300	1,770,600	1,490,100	585,600	-60.70%
<b>Total Oregon</b>	<b>8,019,400</b>	<b>7,667,600</b>	<b>8,530,500</b>	<b>8,221,000</b>	<b>10,667,800</b>	<b>29.76%</b>
<b>WASHINGTON</b>						
ADHA-483 Azacca™	*	*	*	134,600	327,600	143.39%
ADHA-881 Jarrylo™	*	*	*	116,100	188,000	61.93%
Ahtanum	*	262,000	347,500	326,000	225,800	-30.74%
Apollo®	2,440,400	2,320,600	2,051,400	1,854,300	1,938,600	4.55%
Bravo®	1,547,200	1,397,400	1,409,900	1,616,700	1,606,700	-0.62%
Cascade	4,121,300	4,693,000	7,300,000	8,821,000	9,553,300	8.30%
Centennial	899,400	2,001,000	2,905,200	3,818,800	4,317,300	13.05%
Chinook	982,800	2,064,200	2,812,300	2,354,300	2,331,100	-0.99%
Citra® (HBC 394)	433,100	721,900	1,820,300	2,622,500	3,597,200	37.17%
Cluster	973,300	1,073,000	1,562,000	1,328,600	1,135,700	-14.52%
Columbus/Tomahawk®	7,422,400	5,451,700	6,006,100	4,569,200	4,223,400	-7.57%
Comet	*	*	*	*	192,200	
Crystal	*	182,300	275,300	247,200	155,000	-37.30%
El Dorado®	*	*	144,400	180,900	523,500	189.39%
Galena	2,576,200	1,662,000	866,300	551,000	580,600	5.37%
Glacier	96,000	81,800	123,300	151,500	154,400	1.91%
Golding	*	*	106,000	72,600	45,300	-37.60%
Magnum	*	*	*	*	135,500	
Millennium	1,032,400	800,800	951,600	225,600	*	
Mosaic™ (HBC 369)	*	*	652,800	1,493,200	3,111,600	108.38%
Mt. Hood	79,600	151,700	195,000	199,900	139,000	-30.47%
Northern Brewer	270,000	173,100	213,500	163,000	121,900	-25.21%
Nugget	1,695,100	1,468,700	762,800	419,500	389,200	-7.22%
Simcoe® (YCR 14)	880,800	1,578,000	2,183,400	2,805,800	4,489,500	60.01%
Summit™	6,702,506	*	5,326,600	5,308,300	3,189,600	-39.91%
Super Galena®	3,010,600	2,536,400	2,171,500	1,552,400	957,800	-38.30%
Tettanager	*	76,200	71,700	*	*	
Vanguard	*	75,500	102,500	84,400	102,700	21.68%
Willamette	1,350,000	940,400	647,100	672,500	703,100	4.55%
YCR-4 - Palisade®	789,100	622,100	368,300	550,600	885,200	60.77%
YCR-5 - Warrior®	535,900	383,800	390,400	349,700	*	
Zeus	10,695,900	7,575,900	9,635,700	9,488,400	8,426,300	-11.19%
Experimental	*	*	402,900	637,000	488,400	-23.33%
Other Varieties <sup>2</sup>	2,774,094	8,172,100	3,071,900	3,145,500	5,217,800	65.88%
<b>Total Washington</b>	<b>51,308,100</b>	<b>46,465,600</b>	<b>54,877,700</b>	<b>55,861,100</b>	<b>59,453,300</b>	<b>6.43%</b>
<b>Total Pacific Northwest</b>	<b>64,781,600</b>	<b>58,911,400</b>	<b>69,246,100</b>	<b>70,995,900</b>	<b>78,846,000</b>	<b>11.06%</b>
Other States Estimate <sup>3</sup>	*	*	*	*	1,249,000	
Canada Estimate <sup>3</sup>	*	*	*	*	256,500	
<b>North America Estimate</b>	<b>64,781,600</b>	<b>58,911,400</b>	<b>69,246,100</b>	<b>70,995,900</b>	<b>80,351,500</b>	<b>13.18%</b>

SOURCE: USDA-NASS. Prepared by HGA. <sup>1</sup> Prior to 2013, only State totals published for Idaho to avoid disclosure of individual operations.

<sup>2</sup> "Other Varieties" includes data to avoid disclosure of individual operations.

<sup>3</sup> Production outside of PNW estimated at 1,000 pounds per acre for acreage identified in June 2015.

**U.S. HOP ACREAGE BY STATE (10 YEARS - IN ACRES)**

YEAR	WASHINGTON	OREGON	IDAHO	TOTAL
2006	21,532	5,036	2,797	29,365
2007	22,745	5,270	2,896	30,911
2008	30,595	6,370	3,933	40,898
2009	28,924	5,764	4,030	39,726
2010	24,336	4,622	2,331	31,289
2011	23,320	4,202	2,265	29,787
2012	22,696	4,391	2,596	29,683
2013	27,097	4,835	3,356	35,288
2014	28,858	5,410	3,743	38,011
2015	32,158	6,612	4,863	43,633

SOURCE: USDA-NASS. Prepared by HGA.

**U.S. AVERAGE HOP YIELD (TEN YEARS)**

YEAR	POUNDS PER ACRE			
	WASHINGTON	OREGON	IDAHO	TOTAL
2006	2,058	1,757	1,613	1,964
2007	2,049	1,811	1,417	1,949
2008	2,072	1,569	1,841	1,971
2009	2,533	1,948	1,943	2,383
2010	2,147	1,791	2,129	2,093
2011	2,200	1,908	2,408	2,175
2012	2,047	1,746	1,841	1,985
2013	2,025	1,764	1,740	1,962
2014	1,936	1,520	1,847	1,868
2015	1,849	1,613	1,749	1,807

SOURCE: USDA-NASS. Prepared by HGA.

**U.S. HOPS: SEASON AVERAGE PRICE & TOTAL CROP VALUE**

Marketing Year	SEASON AVERAGE PRICE				U.S.	Total Crop
	Washington	Oregon	Idaho	U.S.	Production	Value
	----- (\$ / pound) -----				(Lbs. x 1,000)	(x 1,000)
2006	\$1.98	\$2.60	\$1.61	\$2.05	57,672	\$118,008
2007	\$2.94	\$3.31	\$2.77	\$2.99	60,253	\$179,978
2008	\$4.08	\$3.75	\$4.00	\$4.03	80,630	\$325,092
2009	\$3.54	\$3.63	\$3.75	\$3.57	94,678	\$337,874
2010	\$3.11	\$3.96	\$3.89	\$3.28	65,493	\$214,589
2011	\$3.06	\$3.79	\$2.93	\$3.14	64,782	\$203,378
2012	\$3.10	\$3.91	\$2.69	\$3.17	58,911	\$186,876
2013	\$3.37	\$3.76	\$2.62	\$3.35	69,246	\$232,308
2014	\$3.73	\$4.07	\$2.72	\$3.67	70,995	\$260,627
2015	\$4.71	\$3.24	\$3.53	\$4.38	78,846	\$345,388

SOURCE: USDA-NASS. Prepared by HGA.



**2015 HOP INSPECTION REPORT**

YEAR	WASHINGTON	OREGON	IDAHO	TOTAL
2011	254,385	40,093	27,251	321,729
2012	236,025	39,233	19,312	294,570
2013	266,356	35,388	28,412	330,156
2014	271,891	38,592	34,137	344,620
2015	284,461	47,202	42,301	373,964

	0%	1%	2%	3%	4%	5%	6%	7%	TOTAL	AVERAGE
WA	190,766	74,603	15,090	2,968	581	351	102	0	284,461	0.42%
OR	25,708	19,137	2,067	290	0	0	0	0	47,202	0.51%
ID	29,325	12,323	653	0	0	0	0	0	42,301	0.32%
Total	245,799	106,063	17,810	3,258	581	351	102	0	373,964	0.42%
% of Total	66%	28%	5%	1%	0%	0%	0%	0%	100%	

	0%	1%	2%	3%	4%	5%	6%	7+%	TOTAL	AVERAGE
WA	185,190	57,467	23,052	9,925	4,195	1,396	1,246	1,990	284,461	0.63%
OR	17,613	12,802	5,897	3,577	3,001	1,715	710	1,887	47,202	1.55%
ID	31,343	3,401	1,338	1,518	806	264	563	3,068	42,301	0.95%
Total	234,146	73,670	30,287	15,020	8,002	3,375	2,519	6,945	373,964	0.78%
% of Total	68%	19%	6%	3%	1%	1%	1%	1%	100%	

SOURCE: State Hop Inspection Labs. Prepared by HGA.

**U.S. HOP LEAF, STEM & SEED CONTENT PERCENTAGE (10 YEARS)**

Year	WASHINGTON Leaf & Stem	OREGON Leaf & Stem	IDAHO Leaf & Stem	U.S. AVERAGE %	
				Leaf & Stem	Seed Content
2006	0.09	0.16	0.14	0.15	0.56
2007	0.18	0.20	0.23	0.19	0.83
2008	0.34	0.22	0.03	0.31	1.85
2009	0.12	0.25	0.15	0.14	0.82
2010	0.17	0.15	0.04	0.16	1.31
2011	0.14	0.09	0.02	0.12	1.34
2012	0.33	0.16	0.05	0.29	0.66
2013	0.28	0.34	0.23	0.28	0.68
2014	0.32	0.18	0.09/1.11	0.30	0.64
2015	0.42	0.51	0.32	0.42	0.78

SOURCE: State Hop Inspection Labs. Prepared by HGA.

**IHGC AROMA ACREAGE (FIVE YEARS)**

COUNTRY	AROMA ACREAGE (IN ACRES)					2014-15
	2011	2012	2013	2014	2015	% +/-
Australia	119	128	158	158	217	37.50%
Austria	479	477	462	460	462	0.54%
Belgium	148	175	173	190	205	7.79%
China	946	853	494	741	618	-16.67%
Czech Rep.	10,791	10,413	10,045	9,902	10,253	3.54%
France	892	922	741	808	899	11.31%
Germany	23,569	22,489	21,733	22,732	23,908	5.17%
New Zealand	655	655	712	712	811	13.89%
Poland	1,008	988	1,132	1,253	1,391	11.05%
Romania	151	151	151	156	156	0.00%
Russia	208	208	208	208	208	0.00%
Serbia	84	84	84	84	84	0.00%
Slovakia	549	529	430	339	339	0.00%
Slovenia	3,168	2,634	2,535	2,728	2,973	8.97%
South Africa	0	0	0	0	0	0.00%
Spain	0	0	0	0	0	0.00%
Ukraine	1,268	853	932	764	764	0.00%
UK - England	1,984	1,965	1,965	1,740	1,690	-2.84%
USA	11,921	15,558	19,996	24,711	33,738	36.53%
<b>IHGC Total</b>	<b>57,940</b>	<b>59,082</b>	<b>61,950</b>	<b>67,683</b>	<b>78,714</b>	<b>16.30%</b>

SOURCE: IHGC Economic Commission November report. US hop acreage estimates are based on June Hop Strung for Harvest report. Numbers may not total exactly due to rounding and standard/metric conversions.

**IHGC ALPHA ACREAGE (FIVE YEARS)**

COUNTRY	ALPHA ACREAGE (IN ACRES)					2014-15
	2011	2012	2013	2014	2015	% +/-
Australia	1,006	988	951	850	988	16.28%
Austria	94	94	106	143	143	0.00%
Belgium	297	215	217	175	161	-8.45%
China	10,070	9,108	6,919	5,807	5,066	-12.77%
Czech Rep.	161	151	133	116	106	-8.51%
France	156	163	146	131	121	-7.55%
Germany	20,248	18,397	17,162	17,051	17,345	1.72%
New Zealand	284	247	222	203	148	-26.83%
Poland	3,361	2,471	2,093	1,972	1,940	-1.63%
Romania	428	445	445	450	462	2.75%
Russia	133	133	133	133	133	0.00%
Serbia	82	82	82	82	82	0.00%
Slovakia	0	0	0	0	0	0.00%
Slovenia	178	91	86	89	62	-30.56%
South Africa	1,216	1,216	1,216	1,038	1,038	0.00%
Spain	1,260	1,260	1,194	1,285	1,320	2.69%
Ukraine	297	208	203	148	148	0.00%
UK - England	766	633	633	551	519	-5.83%
USA	17,866	15,249	15,227	13,299	11,500	-13.53%
<b>IHGC Total</b>	<b>57,900</b>	<b>51,152</b>	<b>47,168</b>	<b>43,523</b>	<b>41,282</b>	<b>-5.15%</b>

SOURCE: IHGC Economic Commission November report. Prepared by HGA. US hop acreage estimates are based on June Hop Strung for Harvest report. Numbers may not total exactly due to rounding and standard/metric conversions.

**IHGC TOTAL ACREAGE (FIVE YEARS)**

COUNTRY	TOTAL ACREAGE (IN ACRES)					2014-15
	2011	2012	2013	2014	2015	% +/-
Australia	1,124	1,117	1,110	1,008	1,206	19.61%
Austria	573	571	568	603	605	0.41%
Belgium	445	390	390	366	366	0.00%
China	11,016	9,961	7,413	6,548	5,684	-13.21%
Czech Rep.	10,952	10,564	10,178	10,018	10,359	3.40%
France	1,048	1,085	887	939	1,021	8.68%
Germany	43,818	40,887	38,895	39,782	41,253	3.70%
New Zealand	939	902	934	914	959	4.86%
Poland	4,369	3,460	3,225	3,225	3,329	3.22%
Romania	578	596	596	605	618	2.04%
Russia	341	341	341	341	341	0.00%
Serbia	166	166	166	166	166	0.00%
Slovakia	549	529	430	339	339	0.00%
Slovenia	3,346	2,726	2,622	2,817	3,035	7.72%
South Africa	1,216	1,216	1,216	1,038	1,038	0.00%
Spain	1,260	1,260	1,194	1,285	1,320	2.69%
Ukraine	1,564	1,060	1,134	912	912	0.00%
UK - England	2,750	2,597	2,597	2,291	2,209	-3.56%
USA	29,787	30,807	35,223	38,010	45,238	19.02%
<b>IHGC Total</b>	<b>115,840</b>	<b>110,233</b>	<b>109,119</b>	<b>111,207</b>	<b>119,994</b>	<b>7.90%</b>

SOURCE: IHGC Economic Commission November report. Excludes new acreage (not harvested). Numbers may not total exactly due to rounding and standard/metric conversions. US hop acreage estimates are based on June Hop Strung for Harvest report.

**IHGC HOP ACREAGE AND PRODUCTION 2015**

COUNTRY	HOP ACREAGE (acres)				HOP PRODUCTION (pounds)			
	AROMA	ALPHA	NEW	TOTAL	AROMA	ALPHA	TOTAL	Alpha MT.
Australia	217	988	0	1,206	440,920	2,206,805	2,647,725	150
Austria	462	143	10	615	482,807	174,163	656,971	20
Belgium	205	161	0	366	235,892	257,938	493,830	17
China	618	5,066	0	5,684	661,380	12,566,220	13,227,600	440
Czech Rep.	10,253	106	1,063	11,421	10,416,735	165,345	10,582,080	125
France	899	121	67	1,087	1,082,459	141,094	1,223,553	17
Germany	23,908	17,345	2,849	44,102	30,247,112	31,922,608	62,169,720	2,700
New Zealand	811	148	0	959	1,322,760	308,644	1,631,404	70
Poland	1,391	1,940	188	3,519	1,735,020	2,940,936	4,675,957	150
Romania	156	462	49	667	114,639	357,145	471,784	21
Russia	208	133	49	390	202,823	154,322	357,145	9
Serbia	84	82	30	195	127,867	167,550	295,416	11
Slovakia	339	0	0	339	207,232	0	207,232	3
Slovenia	2,973	62	432	3,467	3,542,792	154,322	3,697,114	130
South Africa	0	1,038	0	1,038	0	1,807,772	1,807,772	108
Spain	0	1,320	0	1,320	0	2,094,370	2,094,370	110
Ukraine	764	148	0	912	881,840	176,368	1,058,208	30
UK - England	1,690	519	0	2,209	1,984,140	881,840	2,865,980	100
USA	33,738	11,500	0	45,238	46,296,600	33,906,748	80,203,348	3,856
<b>IHGC Total</b>	<b>78,714</b>	<b>41,282</b>	<b>4,737</b>	<b>124,734</b>	<b>99,983,019</b>	<b>90,384,191</b>	<b>190,367,210</b>	<b>8,067</b>

SOURCE: IHGC Economic Commission November report. US hop acreage estimates are based on June Hop Strung for Harvest report. IHGC Total Acreage includes baby acreage (not included in separate aroma and alpha tables). Numbers may not total exactly due to rounding and standard/metric conversions.

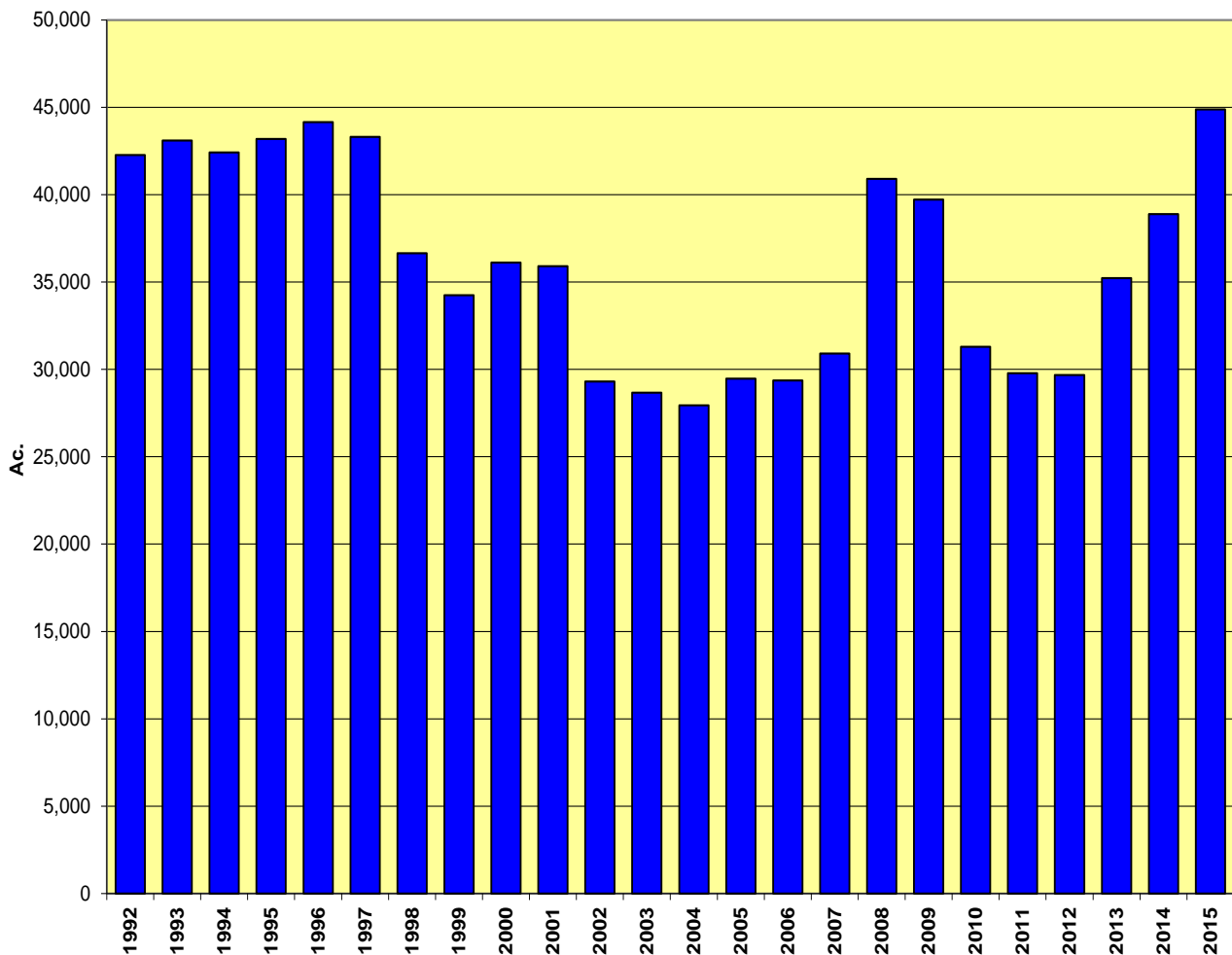
**U.S. & GERMAN ALPHA ACID PRODUCTION (10 YEARS)**

YEAR	UNITED STATES				GERMANY			
	Pounds of Hops (x 1,000)	MT Hops	MT Alpha	Avg. Alpha %*	Pounds of Hops (x 1,000)	MT Hops	MT Alpha	Avg. Alpha %*
2006	53,815	24,410	2,929	12.0%	62,832	28,500	2,328	8.2%
2007	58,988	26,757	3,280	12.3%	70,854	32,139	2,880	9.0%
2008	80,630	36,574	4,150	11.3%	70,854	32,139	4,100	12.8%
2009	91,491	41,500	4,690	11.3%	87,104	39,510	3,520	8.9%
2010	64,954	29,463	3,517	11.9%	75,177	34,100	3,600	10.6%
2011	64,992	29,480	4,308	14.6%	82,673	37,500	4,400	11.7%
2012	61,249	27,782	3,500	12.6%	76,059	34,500	3,850	11.2%
2013	69,246	31,410	3,680	11.7%	60,746	27,554	2,680	9.7%
2014	70,996	32,204	3,541	11.0%	74,956	38,500	4,104	10.7%
2015	80,351	36,447	3,856	10.6%	62,170	28,200	2,700	9.6%

SOURCE: Estimates from IHGC November Economic Commission report. Prepared by HGA.

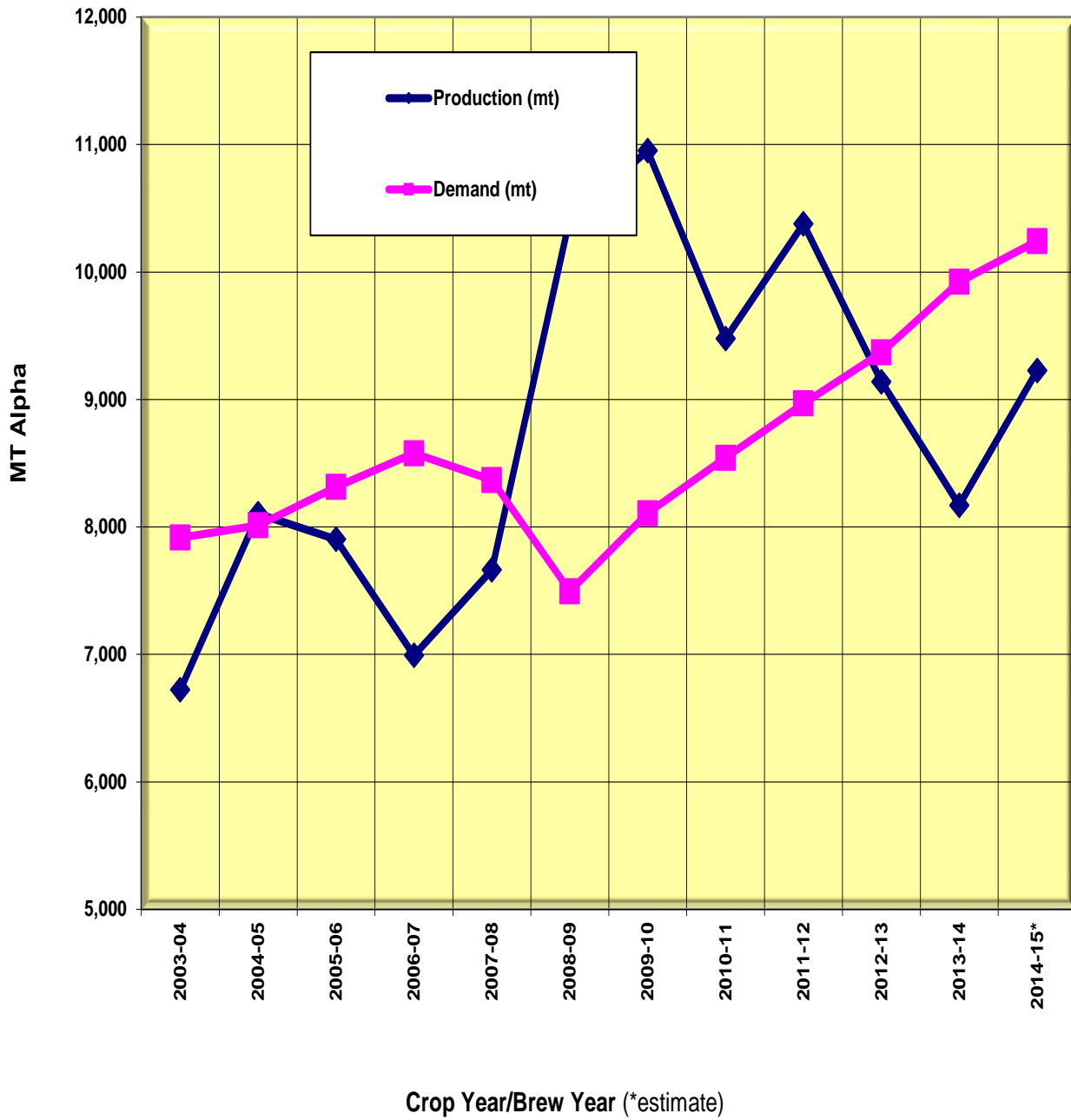
\*Figures presented in the chart are the result of dividing the estimated MT Alpha by MT Hops for each year. This does not represent an estimate based on any type of analytical procedure.

**US HOP ACREAGE (1992-2015)**



SOURCE: USDA-NASS and HGA Hop Acreage Reports

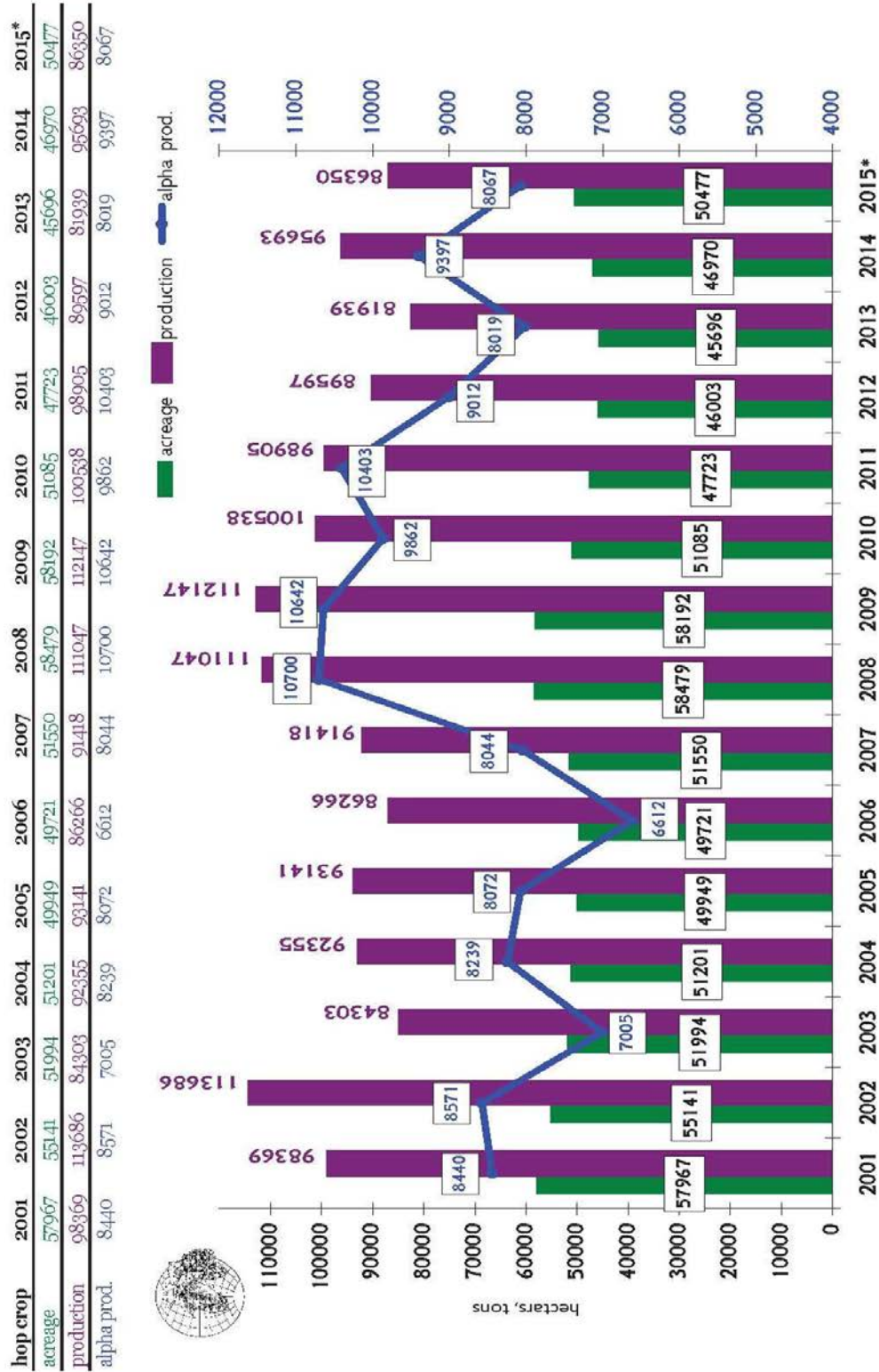
WORLD ALPHA PRODUCTION & DEMAND 2002/03 – 2014/15



SOURCE: Barth Report. 2014-15. Prepared by HGA.

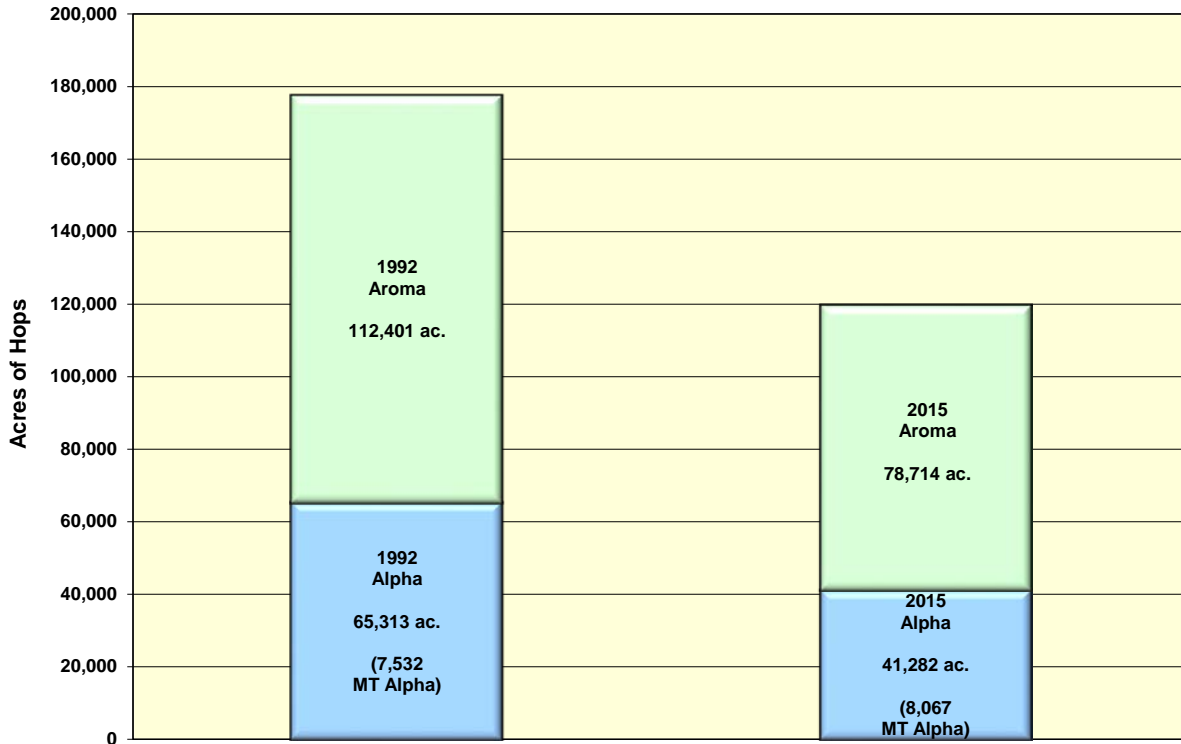
COMPARISON OF IHGC CROPS 2010-2015

Figure 1: Comparison of IHGC crops 2001 - 2015\* (acreage, production, alpha acids production)



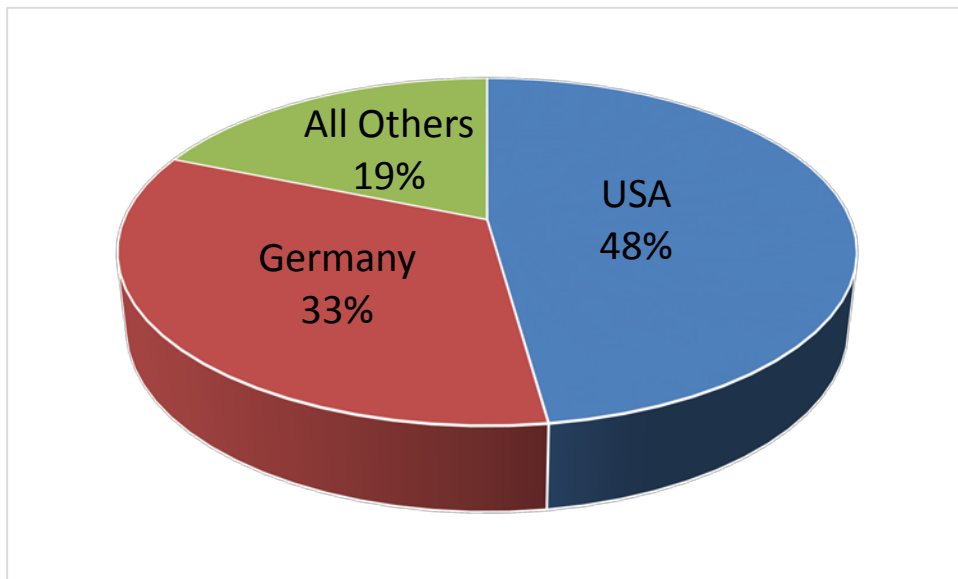
\* estimation

**COMPOSITION OF WORLD HOP ACREAGE - 1992 VERSUS 2015**



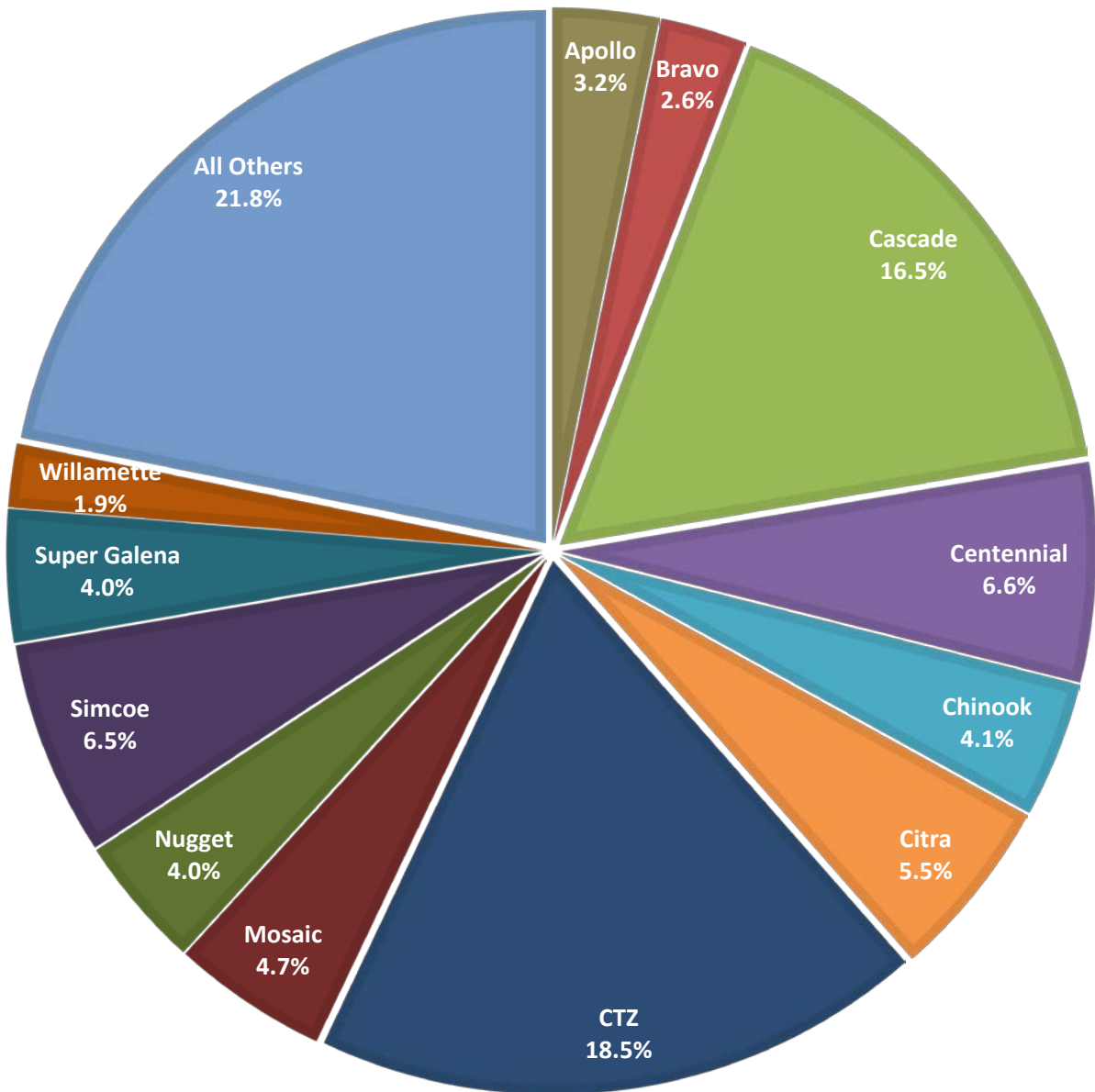
SOURCE: IHGC November Report and USDA NASS December National Hop Report. Prepared by HGA.

**WORLD'S LARGEST ALPHA PRODUCERS - 2015**



SOURCE: IHGC November Report. Prepared by HGA.

*MAJOR US HOP VARIETIES – 2015 (% of US Production)*



SOURCE: USDA-NASS. Prepared by HGA.



**WORLD HOP ACREAGE & PERCENT SHARE (acres)**

COUNTRY	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Germany	41,247	41,376	43,269	43,902	44,749	43,818	40,887	38,895	39,782	41,253
	36%	34%	33%	33%	36%	38%	37%	35%	34%	34%
UK-England	2,609	2,619	2,718	2,669	2,669	2,750	2,597	2,597	2,291	2,209
	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Czech Rep.	13,109	12,832	12,664	12,479	12,398	10,952	10,564	10,178	10,018	10,359
	12%	11%	10%	9%	10%	10%	10%	9%	9%	9%
Europe (rest)	19,253	17,313	17,236	16,222	16,186	13,178	11,842	11,897	14,881	11,711
	17%	14%	13%	12%	13%	12%	11%	11%	13%	10%
USA	29,435	30,911	39,263	40,126	31,247	28,787	29,683	35,288	38,892	45,238
	26%	25%	29%	30%	25%	25%	27%	32%	34%	38%
China	4,910	13,912	14,322	14,322	14,322	11,016	9,961	7,413	6,548	5,684
	4%	11%	11%	11%	11%	10%	9%	7%	6%	5%
World (rest)	2,853	3,047	3,633	3,991	3,941	3,620	3,575	3,650	3,508	3,544
	3%	2%	3%	3%	3%	3%	3%	3%	3%	3%
World Totals	113,417	122,010	133,105	133,711	125,512	114,121	109,109	109,918	115,920	119,994

Europe (rest): Austria, Belgium, France, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Ukraine.

World (rest): Australia, New Zealand, Russia, South Africa.

SOURCE: IHGC Economic Commission November 2015 report. Prepared by HGA.

**WORLD HOP PRODUCTION & PERCENT SHARE (pounds x 1,000)**

COUNTRY	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Germany	62,831	70,854	87,104	68,894	75,177	82,673	76,059	60,746	84,657	62,170
	35%	35%	36%	28%	34%	38%	39%	34%	41%	33%
England	3,109	3,108	2,976	3,197	3,197	3,351	3,217	2,723	2,205	2,866
	2%	2%	1%	1%	1%	2%	2%	2%	1%	2%
Czech	11,530	12,414	14,771	14,109	16,204	13,779	9,480	11,750	13,007	10,582
	6%	6%	6%	6%	7%	6%	5%	7%	6%	6%
Europe (rest)	21,312	20,891	23,115	22,780	21,398	17,077	14,777	14,202	17,791	14,874
	12%	10%	9%	9%	10%	8%	7%	8%	9%	8%
USA	53,815	58,989	76,235	91,491	64,954	64,992	61,316	69,343	70,997	80,203
	30%	29%	31%	38%	29%	30%	31%	39%	34%	42%
China	20,944	29,762	35,494	35,494	35,494	29,982	26,334	13,228	13,228	13,228
	12%	15%	14%	15%	16%	14%	13%	7%	6%	7%
World (rest)	5,227	5,489	5,324	6,927	7,068	5,939	6,309	6,446	6,231	6,444
	3%	3%	2%	3%	3%	3%	3%	4%	3%	3%
World Totals	178,768	201,507	245,019	242,892	223,492	217,793	197,492	178,438	208,116	190,367

Europe (rest): Austria, Belgium, France, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Ukraine.

World (rest): Australia, New Zealand, Russia, South Africa.

SOURCE: IHGC Economic Commission November 2015 report. Prepared by HGA.

**U.S. IMPORTS OF HOPS (FIVE YEARS)***(In pounds; extract converted at 4:1 ratio)*

<b>2014/15 Rank</b>	<b>Country</b>	<b>2010/11</b>	<b>2011/12</b>	<b>2012/13</b>	<b>2013/14</b>	<b>2014/15</b>
1	Germany	4,673,359	4,483,541	5,402,868	4,767,055	5,611,426
2	United Kingdom	858,700	1,008,174	1,328,065	1,125,019	2,254,447
3	Australia	372,802	720,250	634,490	1,105,839	1,058,660
4	New Zealand	559,533	668,221	333,780	933,878	807,333
5	Czech Republic	76,721	136,246	283,735	223,549	306,002
6	China	1,764	0	544,983	829,820	229,942
7	France	16,535	45,636	23,810	132,057	147,710
8	Slovenia	102,956	95,019	113,097	171,520	126,325
9	Italy	882	8,818	2,205	26,015	47,620
10	Slovakia	0	0	0	0	31,747
11	Belgium-Luxembourg	16,755	0	0	882	6,834
12	Poland	1,984	12,346	11,684	7,496	5,952
13	Spain	0	0	0	20,283	4,409
14	Argentina	882	1,102	1,764	0	3,748
15	India	0	0	0	0	2,866
16	Canada	1,764	78,925	14,991	0	2,425
17	South Africa	0	0	882	3,527	2,205
18	Ethiopia	2,425	4,409	2,205	0	441
19	Thailand	0	0	0	0	0
20	Switzerland	8,818	0	4,409	0	0
21	Japan	0	0	0	0	0
22	Israel	0	0	0	0	0
23	Peru	0	0	0	3,086	0
24	Somalia	0	0	0	0	0
	<b>Grand Total</b>	<b>6,695,879</b>	<b>7,262,688</b>	<b>8,702,968</b>	<b>9,350,024</b>	<b>10,650,090</b>

Source: USDA Foreign Agricultural Service - Global Agricultural Trade System, <http://www.fas.usda.gov/gats/default.aspx>.  
Prepared by Bryant Christie Inc.

**U.S. HOP EXPORTS, TOP 40 COUNTRIES (2010/11 through 2014/15)***(In pounds; extract is converted to fresh hop equivalent at a ratio of 4:1)*

2014/15 Rank	Country	2010/11 (Sep-Aug)	2011/12 (Sep-Aug)	2012/13 (Sep-Aug)	2013/14 (Sep-Aug)	2014/15 (Sep-Aug)
1	Mexico	8,553,274	5,096,867	9,036,307	6,605,269	10,188,001
2	United Kingdom	6,928,247	6,799,717	7,172,078	8,261,823	7,837,874
3	Belgium-Luxembourg	8,307,238	5,503,179	4,627,723	4,897,348	4,125,290
4	China	3,205,080	2,223,803	2,862,702	3,603,455	4,116,692
5	Germany	4,161,005	5,560,940	5,130,157	2,918,700	3,868,010
6	Brazil	3,950,684	4,755,591	4,056,505	3,976,037	3,579,425
7	Canada	2,036,410	1,950,430	1,788,390	2,434,785	2,683,907
8	Japan	2,785,320	1,626,130	1,815,948	1,603,642	2,133,193
9	Colombia	3,212,576	2,243,424	2,223,362	2,520,986	1,776,044
10	Venezuela	1,682,788	1,224,888	2,886,292	1,950,650	1,486,797
11	Korea, South	1,541,693	1,253,989	1,173,961	1,644,869	1,460,121
12	Australia	917,784	1,342,174	1,070,344	1,055,573	1,014,567
13	Argentina	1,231,282	1,091,950	985,907	886,479	983,262
14	Hong Kong	2,119,083	1,441,823	1,046,755	1,297,200	951,295
15	Peru	1,075,194	1,075,635	949,751	711,432	949,972
16	Philippines	836,654	679,244	600,760	363,101	652,127
17	South Africa	578,713	506,843	427,035	369,495	591,721
18	Dominican Republic	868,621	762,138	766,547	890,006	574,084
19	Thailand	444,672	428,799	168,433	466,057	550,935
20	Vietnam	963,200	553,581	385,368	377,431	513,457
21	Ecuador	466,719	442,688	398,596	523,377	424,831
22	Russia	589,296	488,544	416,012	445,554	365,085
23	Chile	635,593	614,428	741,855	459,443	363,763
24	New Zealand	51,809	83,555	74,516	50,486	320,773
25	Guatemala	463,853	316,804	287,262	166,229	242,729
26	Finland	0	2,646	0	44,092	203,707
27	Ireland	298,947	369,495	349,433	17,857	184,086
28	India	523,377	158,953	395,950	219,801	173,504
29	Tanzania	122,357	69,666	85,980	71,650	158,733
30	Bolivia	195,330	80,248	153,221	162,040	154,103
31	Netherlands	71,650	366,188	102,294	294,317	142,639
32	Singapore	114,640	113,318	88,626	55,997	130,514
33	Cambodia	85,539	70,548	129,191	86,201	129,852
34	Spain	2,646	9,259	32,628	96,122	119,050
35	Indonesia	54,675	166,669	213,407	198,416	116,845
36	Turkey	59,525	90,830	38,581	37,920	113,759
37	Panama	266,539	188,495	71,209	161,158	111,554
38	Malaysia	502,874	114,640	135,805	110,231	101,413
39	Nicaragua	27,337	27,117	29,983	70,548	79,366
40	Papua New Guinea	59,084	87,303	65,257	59,084	78,485
	All Other Countries	2,320,586	2,022,962	1,401,479	1,494,073	1,122,373
	<b>Grand Total</b>	<b>62,311,892</b>	<b>52,005,502</b>	<b>54,385,612</b>	<b>51,658,935</b>	<b>54,873,936</b>

Source: USDA Foreign Agricultural Service - Global Agricultural Trade System, <http://www.fas.usda.gov/gats/default.aspx>.

Prepared by Bryant Christie Inc.

## U.S. HOP EXPORTS BY PRODUCT (TOP 40) – 2014/15

2014/15 Rank	Country	Extract (Converted to Raw Hop Equivalent)	Fresh/Dried	Ground	Pellets	Grand Total
1	Mexico	9,756,777	47,399	119,711	264,114	10,188,001
2	United Kingdom	4,491,257	1,007,512	0	2,339,104	7,837,874
3	Belgium-Luxembourg	2,861,600	60,407	0	1,203,283	4,125,290
4	China	3,978,903	1,764	0	136,025	4,116,692
5	Germany	2,659,657	129,852	0	1,078,501	3,868,010
6	Brazil	2,174,640	15,873	0	1,388,912	3,579,425
7	Canada	364,204	162,260	408,517	1,748,927	2,683,907
8	Japan	1,293,672	107,145	0	732,376	2,133,193
9	Colombia	859,803	0	0	916,241	1,776,044
10	Venezuela	1,486,797	0	0	0	1,486,797
11	Korea, South	1,231,943	0	0	228,178	1,460,121
12	Australia	520,291	68,564	0	425,713	1,014,567
13	Argentina	325,402	0		657,859	983,262
14	Hong Kong	454,152	0	1,984	495,158	951,295
15	Peru	631,404			318,568	949,972
16	Philippines	293,656	0	4,850	353,621	652,127
17	South Africa	573,202	0	0	18,519	591,721
18	Dominican Republic	574,084	0	0	0	574,084
19	Thailand	450,625	0	882	99,428	550,935
20	Vietnam	500,008		0	13,448	513,457
21	Ecuador	375,668		2,866	46,297	424,831
22	Russia	351,858			13,228	365,085
23	Chile	235,454	441	2,205	125,663	363,763
24	New Zealand	279,546	19,401	1,102	20,723	320,773
25	Guatemala	229,281	0	0	13,448	242,729
26	Finland	134,923			68,784	203,707
27	Ireland	143,741	1,323	0	39,022	184,086
28	India	42,329	0	0	131,175	173,504
29	Tanzania				158,733	158,733
30	Bolivia	31,747			122,357	154,103
31	Netherlands	25,574	0	0	117,065	142,639
32	Singapore	130,514	0	0	0	130,514
33	Cambodia	78,485	0	0	51,368	129,852
34	Spain	113,759	0		5,291	119,050
35	Indonesia	101,413	0		15,432	116,845
36	Turkey	113,759	0	0		113,759
37	Panama	58,202	0	0	53,352	111,554
38	Malaysia	101,413	0		0	101,413
39	Nicaragua	79,366	0			79,366
40	Papua New Guinea	78,485				78,485
	All Other Countries	765,445	11,244	1,543	344,142	1,122,373
	<b>Grand Total</b>	<b>38,953,034</b>	<b>1,633,185</b>	<b>543,660</b>	<b>13,744,058</b>	<b>54,873,936</b>

Source: USDA Foreign Agricultural Service - Global Agricultural Trade System, <http://www.fas.usda.gov/gats/default.aspx>.  
Prepared by Bryant Christie Inc.

**WORLD BEER PRODUCTION (FIVE YEARS - MILLION HL)**

	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015*</b>
Germany	98.2	94.6	94.4	95.6	96.0
Russia	99.4	97.2	88.9	76.6	70.1
Great Britain	42.5	42.0	42.4	41.2	41.5
Poland	37.9	37.8	39.6	39.2	39.3
Spain	33.6	33.0	33.1	33.5	34.0
Netherlands	23.6	24.3	23.7	23.7	23.8
Czech Republic	18.3	18.3	18.6	19.7	19.7
France	16.0	18.9	18.7	18.8	18.9
Ukraine	30.5	30.0	27.6	24.5	18.6
Belgium	18.0	18.5	18.1	18.0	18.0
Romania	17.0	17.9	16.6	16.5	16.7
Italy	13.4	12.7	12.7	13.0	13.1
Turkey	9.8	10.0	8.0	10.1	10.0
Austria	8.9	8.9	9.2	9.2	9.1
Ireland	8.6	8.3	8.0	8.0	8.0
Portugal	8.3	7.6	7.9	7.4	7.5
Other Europe	53.1	49.7	36.2	23.9	13.2
<b>Total Europe</b>	<b>548.0</b>	<b>544.6</b>	<b>531.1</b>	<b>518.8</b>	<b>508.1</b>
USA	226.0	230.1	224.6	225.9	225.8
Brazil	127.2	132.0	134.2	134.5	133.0
Mexico	81.2	81.5	82.0	82.0	82.5
Canada	19.8	19.5	22.6	22.6	22.6
Colombia	20.8	22.3	22.3	22.0	22.2
Venezuela	23.2	21.7	22.2	22.4	21.5
Argentina	17.3	16.8	16.8	16.3	16.5
Other Americas	52.1	63.6	66.2	68.1	67.1
<b>Total Americas</b>	<b>558.1</b>	<b>569.6</b>	<b>572.2</b>	<b>574.1</b>	<b>573.1</b>
P.R. China	489.9	490.0	506.0	493.0	465.0
Japan	56.0	55.3	57.2	53.9	53.8
Vietnam	27.0	29.7	32.0	35.4	38.2
Thailand	20.4	23.9	21.0	22.4	23.1
South Korea	18.8	19.0	19.4	20.8	21.5
India	18.3	19.2	20.0	20.0	20.0
Philippines	15.7	15.8	16.2	17.0	17.2
Other Asia	123.1	135.8	158.7	151.9	129.9
<b>Total Asia</b>	<b>673.1</b>	<b>685.8</b>	<b>708.7</b>	<b>701.9</b>	<b>679.9</b>
South Africa	30.0	31.3	31.5	31.5	31.7
Nigeria	19.4	23.5	25.0	27.0	27.1
Other Africa	63.0	77.9	86.4	99.6	103.4
<b>Total Africa</b>	<b>104.5</b>	<b>119.4</b>	<b>127.9</b>	<b>141.1</b>	<b>144.9</b>
Australia	16.6	17.2	17.3	16.9	17.1
New Zealand	3.3	3.2	2.9	2.8	2.9
Oceania	1.2	1.2	1.5	1.4	1.4
<b>Total Australia</b>	<b>21.1</b>	<b>21.6</b>	<b>21.7</b>	<b>21.1</b>	<b>21.4</b>
<b>WORLD TOTALS</b>	<b>1,916.5</b>	<b>1,941.0</b>	<b>1,961.5</b>	<b>1,957.0</b>	<b>1,927.3</b>
* Estimate					

Source: S.S. Steiner 2015 Guidelines for Hop Buying

**WORLD BEER PRODUCTION BY BREWERY (TOP 10) – 2011-12 (MILLION HL)**

<b>Brewery</b>	<b>2013 Production</b>	<b>2013 % Share</b>	<b>2014 Production</b>	<b>2014 % Share</b>
ABInBev	399.0	20.2%	411.5	21.0%
SABMiller	187.4	9.5%	187.8	9.6%
Heineken	178.3	9.0%	181.3	9.3%
Carlsberg	119.7	6.1%	122.8	6.3%
China Res. Snow Breweries	117.1	5.9%	118.4	6.0%
Tsingtao Brewery Group	78.3	4.0%	76.2	3.9%
Molson-Coors	59.7	3.0%	59.0	3.0%
Yanjing	57.1	2.9%	53.1	2.7%
Kirin	49.3	2.5%	46.6	2.4%
BGI/Groupe Castel	28.4	1.6%	31.7	1.6%
<b>Top 10 total</b>	<b>1,274.3</b>	<b>64.7%</b>	<b>1,288.4</b>	<b>65.8%</b>

The top 3 brewing groups control 39.9% of the market share, up from 38.7% in 2013.

The top 40 brewing groups worldwide represented 82.8% market share in 2014.

Source: Barth Report 2014-15