



National Hop Report

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2015 Hop Production Up 11 Percent From Last Year

Production for Idaho, Oregon, and Washington in 2015 totaled 78.8 million pounds, up 11 percent from the 2014 crop of 71.0 million pounds. Production increased in all three States; 30 percent in Oregon, 26 percent in Idaho, and 6 percent in Washington. Acreage increased in all three States; 22 percent in Oregon, 30 percent in Idaho, and 11 percent in Washington. United States yield at 1,807 pounds per acre, decreased 61 pounds from a year ago. These are the highest acres harvested and production on record in Idaho going back to 1944 and the highest acres harvested on record in Washington going back to 1915.

Washington growers produced 75 percent of the United States hop crop in 2015. Cascade, Zeus, Simcoe, Centennial, and Columbus/Tomahawk, were the leading varieties in Washington, accounting for 52 percent of the State's hop crop. In Oregon, Nugget and Cascade were the major varieties, accounting for 47 percent of the State's hop production. In Idaho, Zeus, Cascade, and Chinook were the major varieties, accounting for 44 percent of the State's hop production.

The preliminary 2015 value of production of the United States hop crop is \$345.4 million, up 33 percent from the revised 2014 value of \$260.6 million. Record high prices received by growers at the United States and Idaho and Washington levels were realized in 2015. The increased value can be attributed to higher production and hop production shifting from Alpha varieties to Aroma varieties that are higher in value. Increased demand from the craft brewing sector has also increased prices for hops.

Hop Area Harvested, Yield, Production, Price, and Value – States and United States: 2013-2015

State and year	Area harvested	Yield per acre	Production	Price per pound	Value of production
	(acres)	(pounds)	(1,000 pounds)	(dollars)	(1,000 dollars)
Idaho					
2013	3,356	1,740	5,837.9	2.62	15,295
2014	3,743	1,847	6,913.8	2.72	18,806
2015	4,863	1,794	8,724.9	3.53	30,799
Oregon					
2013	4,835	1,764	8,530.5	3.76	32,075
2014	5,410	1,520	8,221.0	4.07	33,459
2015	6,612	1,613	10,667.8	3.24	34,564
Washington					
2013	27,097	2,025	54,877.7	3.37	184,938
2014	28,858	1,936	55,861.1	3.73	208,362
2015	32,158	1,849	59,453.3	4.71	280,025
United States					
2013	35,288	1,962	69,246.1	3.35	232,308
2014	38,011	1,868	70,995.9	3.67	260,627
2015	43,633	1,807	78,846.0	4.38	345,388

Hop Area Harvested and Yield by Variety – States and United States: 2013-2015

State and variety	Area harvested			Yield per acre		
	2013	2014	2015	2013	2014	2015
	(acres)	(acres)	(acres)	(pounds)	(pounds)	(pounds)
Idaho						
Apollo ^R	291	285	286	2,230	2,004	2,062
Bravo ^R	136	126	166	2,430	2,579	2,625
Calypso	-	-	81	-	-	1,710
Cascade	628	821	770	1,224	1,746	1,633
Centennial	57	74	(D)	1,004	754	(D)
Chinook	324	344	358	1,801	1,673	1,850
Citra TM	19	91	412	1,011	1,200	1,271
Crystal	-	29	(D)	-	2,186	(D)
El Dorado ^R	14	63	205	971	1,144	1,125
Mosaic TM	-	-	272	-	-	2,278
Simcoe ^R	-	67	199	-	969	1,576
Super Galena ^R	275	161	92	2,201	2,165	2,189
Zeus	548	662	661	3,049	2,891	2,909
Experimental	5	41	72	2,800	1,366	1,269
Other varieties ¹	1,059	979	1,289	1,063	1,354	1,348
Total	3,356	3,743	4,863	1,740	1,847	1,794
Oregon						
Cascade	423	961	1,085	1,483	1,402	1,994
Centennial	249	443	631	1,585	1,095	1,352
Chinook	-	-	129	-	-	1,861
Citra TM	-	-	246	-	-	980
Crystal	-	-	377	-	-	2,011
Fuggle	91	(D)	85	827	(D)	1,066
Golding	194	234	238	1,148	955	837
Liberty	(D)	(D)	210	(D)	(D)	1,360
Magnum	104	176	199	1,406	1,077	1,572
Mt. Hood	221	269	288	1,567	1,450	1,276
Nugget	1,667	1,363	1,484	2,053	1,978	1,888
Perle	55	100	(D)	1,178	1,057	(D)
Simcoe ^R	-	-	191	-	-	1,678
Sterling	122	130	209	1,621	1,423	1,344
Super Galena ^R	204	125	82	1,852	2,309	2,340
Tettnanger	(D)	(D)	133	(D)	(D)	1,242
Willamette	553	564	661	1,491	1,453	1,226
Experimental	35	(D)	(D)	1,734	(D)	(D)
Other varieties ¹	917	1,045	364	1,931	1,426	1,609
Total	4,835	5,410	6,612	1,764	1,520	1,613

See footnote(s) at end of table.

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Hop Area Harvested and Yield by Variety – States and United States: 2013-2015 (continued)

State and variety	Area harvested			Yield per acre		
	2013 (acres)	2014 (acres)	2015 (acres)	2013 (pounds)	2014 (pounds)	2015 (pounds)
Washington						
ADHA-483 Azacca TM	-	79	175	-	1,704	1,872
ADHA-881 Jarrylo TM	-	75	122	-	1,548	1,541
Ahtanum TM	211	194	145	1,647	1,680	1,557
Apollo ^R	701	700	708	2,926	2,649	2,738
Bravo ^R	493	584	569	2,860	2,768	2,824
Cascade	4,237	4,837	4,935	1,723	1,824	1,936
Centennial	1,869	2,836	3,770	1,554	1,347	1,145
Chinook	1,415	1,297	1,300	1,987	1,815	1,793
Citra TM	1,296	1,670	2,335	1,405	1,570	1,541
Cluster	802	728	666	1,948	1,825	1,705
Columbus/Tomahawk ^R	2,336	1,738	1,673	2,571	2,629	2,524
Comet	-	-	108	-	-	1,780
Crystal	214	181	131	1,286	1,366	1,183
El Dorado ^R	82	82	243	1,761	2,206	2,155
Galena	440	306	295	1,969	1,801	1,968
Glacier	98	126	155	1,258	1,202	996
Golding	105	94	53	1,010	772	854
Magnum	-	-	108	-	-	1,255
Millennium	420	113	(D)	2,266	1,996	(D)
Mosaic TM	382	671	1,528	1,709	2,225	2,036
Mt. Hood	168	150	130	1,161	1,333	1,069
Northern Brewer	170	131	123	1,256	1,244	991
Nugget	395	265	202	1,931	1,583	1,927
Simcoe ^R	1,298	1,819	2,916	1,682	1,542	1,540
Summit TM	2,844	2,522	1,620	1,873	2,105	1,969
Super Galena ^R	771	606	351	2,816	2,562	2,729
Tettnanger	95	(D)	(D)	755	(D)	(D)
Vanguard	76	58	84	1,349	1,455	1,223
Williamette	522	595	698	1,240	1,130	1,007
YCR-4 (Palisade ^R)	132	223	454	2,790	2,469	1,950
YCR-5 (Warrior ^R)	180	192	(D)	2,169	1,821	(D)
Zeus	3,277	3,375	2,989	2,940	2,811	2,819
Experimental	258	392	316	1,562	1,625	1,545
Other varieties ¹	1,810	2,219	3,256	1,697	1,418	1,603
Total	27,097	28,858	32,158	2,025	1,936	1,849
United States	35,288	38,011	43,633	1,962	1,868	1,807

- Represents zero.

(D) Withheld to avoid disclosing data for individual operations.

^R Registered

TM Trademark

¹ Includes data withheld to avoid disclosure of individual operations and varieties not listed.

Hop Production by Variety – States and United States: 2013-2015

State and variety	Production		
	2013 (1,000 pounds)	2014 (1,000 pounds)	2015 (1,000 pounds)
Idaho			
Apollo ^R	649.0	571.1	589.6
Bravo ^R	330.5	324.9	435.7
Calypso	-	-	138.5
Cascade	768.9	1,433.1	1,257.8
Centennial	57.2	55.8	(D)
Chinook	583.4	575.4	662.2
Citra TM	19.2	109.2	523.7
Crystal	-	63.4	(D)
El Dorado ^R	13.6	72.1	230.6
Mosaic TM	-	-	619.7
Simcoe ^R	-	64.9	313.6
Super Galena ^R	605.4	348.5	201.4
Zeus	1,670.8	1,913.9	1,922.8
Experimental	14.0	56.0	91.4
Other varieties ¹	1,125.9	1,325.5	1,737.9
Total	5,837.9	6,913.8	8,724.9
Oregon			
Cascade	627.1	1,347.4	2,163.0
Centennial	394.6	485.2	853.3
Chinook	-	-	240.0
Citra TM	-	-	241.0
Crystal	-	-	758.1
Fuggle	75.3	(D)	90.6
Golding	222.7	223.5	199.3
Liberty	(D)	(D)	285.6
Magnum	146.2	189.6	312.9
Mt. Hood	346.2	390.0	367.6
Nugget	3,422.0	2,696.4	2,802.1
Perle	64.8	105.7	(D)
Simco ^R	-	-	320.5
Sterling	197.8	185.0	280.8
Super Galena ^R	377.8	288.6	191.9
Tettnanger	(D)	(D)	165.2
Willamette	824.7	819.5	810.3
Experimental	60.7	(D)	(D)
Other varieties ¹	1,770.6	1,490.1	585.6
Total	8,530.5	8,221.0	10,667.8

See footnote(s) at end of table.

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Hop Production by Variety – States and United States: 2013-2015 (continued)

State and variety	Production		
	2013 (1,000 pounds)	2014 (1,000 pounds)	2015 (1,000 pounds)
Washington			
ADHA-483 Azacca™	-	134.6	327.6
ADHA-881 Jarrylo™	-	116.1	188.0
Ahtanum™	347.5	326.0	225.8
Apollo ^R	2,051.4	1,854.3	1,938.6
Bravo ^R	1,409.9	1,616.7	1,606.7
Cascade	7,300.0	8,821.0	9,553.3
Centennial	2,905.2	3,818.8	4,317.3
Chinook	2,812.3	2,354.3	2,331.1
Citra™	1,820.3	2,622.5	3,597.2
Cluster	1,562.0	1,328.6	1,135.7
Columbus/Tomahawk ^R	6,006.1	4,569.2	4,223.4
Comet	-	-	192.2
Crystal	275.3	247.2	155.0
El Dorado ^R	144.4	180.9	523.5
Galena	866.3	551.0	580.6
Glacier	123.3	151.5	154.4
Golding	106.0	72.6	45.3
Magnum	-	-	135.5
Millennium	951.6	225.6	(D)
Mosaic™	652.8	1,493.2	3,111.6
Mt. Hood	195.0	199.9	139.0
Northern Brewer	213.5	163.0	121.9
Nugget	762.8	419.5	389.2
Simcoe ^R	2,183.4	2,805.8	4,489.5
Summit™	5,326.6	5,308.3	3,189.6
Super Galena ^R	2,171.5	1,552.4	957.8
Tettnanger	71.7	(D)	(D)
Vanguard	102.5	84.4	102.7
Willamette	647.1	672.5	703.1
YCR-4(Palisade ^R)	368.3	550.6	885.2
YCR-5(Warrior ^R)	390.4	349.7	(D)
Zeus	9,635.7	9,488.4	8,426.3
Experimental	402.9	637.0	488.4
Other varieties ¹	3,071.9	3,145.5	5,217.8
Total	54,877.7	55,861.1	59,453.3
United States²	69,246.1	70,995.9	78,846.0

- Represents zero.

(D) Withheld to avoid disclosing data for individual operations.

^R Registered

TM Trademark

¹ Includes data withheld to avoid disclosure of individual operations and varieties not listed.

² Includes 329 acres of organics for 2015 with yield equal to 1,719 pounds per acre and production at 565,400 pounds.

Statistical Methodology

Survey Procedures: Grower surveys are conducted in the three estimating States to collect acreage, yield, and production data from growers. Additionally, contacts are made with each of the three Hop Commissions.

Estimating Procedures: Information obtained from the hops growers surveys are used to establish estimates of hops. These estimates are reviewed for errors, reasonableness, and consistency with historical estimates and industry check data.

Revision Policy: All hop estimates are subject to revision the following year based on a thorough review of all available data.

Reliability: Survey results are subject to non-sampling errors such as omission, duplication, imputation for missing data, and mistakes in reporting, recording, and processing the data. These errors cannot be measured directly, but are minimized through rigid quality controls in the data collection process and a careful review of all reported data for consistency and reasonableness.

Information Contacts

Listed below are the commodity statisticians in the Crops Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to nass@nass.usda.gov

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Vincent Davis – Fresh and Processing Vegetables, Onions, Strawberries, Sugarbeets, Sugarcane, Cherries.....	(202) 720-2157
Fleming Gibson – Citrus, Coffee, Tropical Fruits.....	(202) 720-5412
Greg Lemmons – Berries, Cranberries, Potatoes, Sweet Potatoes	(202) 720-4285
Dave Losh – Hops	(360) 709-2400
Dan Norris – Austrian Winter Peas, Dry Edible Peas, Lentils, Mint, Mushrooms, Peaches, Pears, Wrinkled Seed Peas, Dry Beans	(202) 720-3250
Daphne Schauber – Floriculture, Grapes, Maple Syrup, Nursery, Tree Nuts	(202) 720-4215
Chris Singh – Apples, Apricots, Plums, Prunes, Tobacco	(202) 720-4288

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