

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 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	per Production		Price Production per pound		per Production per	
	(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, Yield, and Production by Variety – States and United States: 2013-2015

State	Area harvested			Yield per acre			
and variety	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)	
Chinhook	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 Simcoe R	-	-	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	-	-	1,860	
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, Yield, and Production by Variety – States and United States: 2013-2015 (continued)

State	Production					
and variety	2013	2014	2015			
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)			
Idaho						
Apollo R	649.0	571.1	589.6			
Bravo R	330.5	324.9	435.7			
Calypso	-	52	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	19.2	63.4	(D)			
El Dorado ^R	13.6	72.1	230.6			
	13.6	72.1	230.0			
Mosaic TM Simcoe R	-	-	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	334.0	- 405.2	240.0			
Citra TM	_		241.0			
Crystal	_	_	758.1			
Fuggle	75.3	(D)	90.6			
Golding	222.7	223.5	199.3			
Liberty		(D)	285.6			
	(D) 146.2	(D) 189.6	312.9			
Magnum	140.2	169.6	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	82 4 .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 Area Harvested, Yield, and Production by Variety – States and United States: 2013-2015 (continued)

State	Д	Area harvested			Yield per acre		
and variety	2013	2014	2015	2013	2014	2015	
	(acres)	(acres)	(acres)	(pounds)	(pounds)	(pounds)	
Washington		70	475		4 70 4	4.070	
ADHA-483 Azacca [™] ADHA-881 Jarrylo [™]	-	79 75	175 122	-	1,704 1,548	1,872 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 ™	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	2,154	
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 Millennium	420	- 113	108 (D)	2,266	- 1,996	1,255 (D)	
Mosaic TM	382	671	1,528	1 700	2,225	2,036	
Mt. Hood	168	150	1,526	1,709 1,161	1,333	1.069	
Northern Brewer	170	131	123	1,101	1,244	991	
Nugget	395	265	202	1,230	1,583	1,927	
	1,298	1,819	2,916	1,682	1,563	1,540	
Simcoe ^R	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	1,546	
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 ²	35,288	38,011	43,633	1,962	1,868	1,807	
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Hop Area Harvested, Yield, and Production by Variety - States and United States: **2013-2015** (continued)

State	Production				
and variety	2013	2014	2015		
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)		
Washington					
ADHA-483 Azacca TM ADHA-881 Jarrylo TM	-	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		
Olifa	1,020.0	2,022.0	3,337.2		
Cluster	1,562.0	1,328.6	1,135.7		
Cluster 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	100.0	72.0	135.5		
Millennium	951.6	225.6	(D)		
Mosaic TM	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		
Simcoe ^R	5,326.6	5,308.3	3,189.6		
Super Galena R	2,171.5	1,552.4	957.8		
Tettnanger	71.7	(D)			
Vanguard	102.5	(D) 84.4	(D) 102.7		
9		_	703.1		
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		
Exponitional	402.9	337.0	400.4		
Other varieties ¹	3,071.9	3,145.5	5,217.8		
Total	54,877.7	55,861.1	59,453.3		
United States ²	69,246.1	70,995.9	78,846.0		

⁻ Represents zero.

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

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

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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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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