



National Hop Report

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2017 Hop Production Up 20 Percent From Last Year

Production for Idaho, Oregon, and Washington in 2017 totaled a record high 104 million pounds, up 20 percent from the 2016 crop of 87.1 million pounds. Combined area harvested for Idaho, Oregon, and Washington in 2017 totaled a record high 53,282 acres, up 5 percent from the 2016 level of 50,857 acres. Harvested acreage increased in all three States; 24 percent in Idaho, 3 percent in Washington, and 1 percent in Oregon. United States hop yield, at 1,959 pounds per acre, increased 246 pounds from a year ago.

Washington produced 75 percent of the United States hop crop for 2017; while Idaho accounted for 13 percent and Oregon accounted for 11 percent. The 2017 crop year marked the first time Idaho hop production surpassed production in Oregon. Cascade, Centennial, Zeus, Simcoe, Citra, and Mosaic were the six leading varieties in Washington, accounting for 54 percent of the State's hop production. In Idaho, Zeus, Cascade, Amarillo, Mosaic, Citra, and Chinook were the major varieties, accounting for 69 percent of the State's hop production. In Oregon, Nugget, Cascade, Willamette, and Citra were the major varieties, accounting for 53 percent of the State's hop production.

The 2017 value of production for the United States totaled a record high \$618 million, up 24 percent from the previous record high value of \$498 million in 2016.

Hop Area Harvested, Yield, Production, Price, and Value – States and United States: 2015-2017

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					
2015	4,863	1,794	8,724.9	3.53	30,799
2016	5,648	1,646	9,297.7	5.50	51,137
2017	6,993	1,968	13,759.2	5.00	68,796
Oregon					
2015	6,612	1,613	10,667.8	3.24	34,564
2016	7,765	1,596	12,395.3	5.25	65,075
2017	7,851	1,517	11,913.2	5.00	59,566
Washington					
2015	32,158	1,849	59,453.3	4.71	280,025
2016	37,444	1,748	65,446.6	5.84	382,208
2017	38,438	2,047	78,693.6	6.22	489,474
United States					
2015	43,633	1,807	78,846.0	4.38	345,388
2016	50,857	1,713	87,139.6	5.72	498,420
2017	53,282	1,959	104,366.0	5.92	617,836

Hop Area Harvested, Yield, and Production by Variety – States and United States: 2015-2017

State and variety	Area harvested			Yield per acre		
	2015	2016	2017	2015	2016	2017
	(acres)	(acres)	(acres)	(pounds)	(pounds)	(pounds)
Idaho						
Amarillo	(D)	(D)	983	(D)	(D)	1,569
Apollo ^R	286	235	228	2,062	1,893	1,798
Bravo ^R	166	151	149	2,625	2,359	2,799
Calypso	81	81	81	1,710	1,937	2,159
Cascade	770	788	882	1,633	1,585	1,771
Centennial	(D)	(D)	225	(D)	(D)	2,028
Chinook	358	418	669	1,850	1,712	1,665
Citra TM	412	576	759	1,271	1,213	1,657
Crystal	(D)	123	182	(D)	1,678	2,084
El Dorado ^R	205	227	219	1,125	1,658	2,163
Mosaic TM	272	496	500	2,278	2,204	2,581
Simcoe ^R	199	232	394	1,576	1,335	1,494
Super Galena ^R	92	69	(D)	2,189	1,872	(D)
Willamette	(D)	(D)	128	(D)	(D)	1,689
Zeus	661	580	1,011	2,909	2,761	2,756
Experimental	72	9	26	1,269	1,000	611
Other varieties ¹	1,289	1,663	557	1,348	1,174	1,929
Total	4,863	5,648	6,993	1,794	1,646	1,968
Oregon						
Cascade	1,085	1,211	1,167	1,994	1,597	1,425
Centennial	631	723	739	1,352	1,235	1,273
Chinook	129	107	124	1,860	1,675	1,667
Citra TM	246	654	716	980	1,047	1,475
Crystal	377	423	382	2,011	2,216	1,772
Fuggle	85	141	86	1,066	1,021	1,251
Golding	238	(D)	215	837	(D)	1,181
Liberty	210	(D)	(D)	1,360	(D)	(D)
Magnum	199	151	47	1,572	1,493	1,714
Mosaic TM	(D)	(D)	337	(D)	(D)	1,875
Mt. Hood	288	324	318	1,276	1,463	1,439
Nugget	1,484	1,460	1,367	1,888	1,925	1,820
Perle	(D)	(D)	76	(D)	(D)	1,164
Simcoe ^R	191	330	461	1,678	1,969	1,421
Sterling	209	228	227	1,344	1,626	1,407
Super Galena ^R	82	(D)	67	2,340	(D)	2,096
Tettnanger	133	122	72	1,242	1,193	1,013
Willamette	661	833	832	1,226	1,573	1,324
Other varieties ¹	364	1,058	618	1,609	1,546	1,573
Total	6,612	7,765	7,851	1,613	1,596	1,517

See footnote(s) at end of table.

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**Hop Area Harvested, Yield, and Production by Variety – States and United States:
2015-2017 (continued)**

State and variety	Production		
	2015 (1,000 pounds)	2016 (1,000 pounds)	2017 (1,000 pounds)
Idaho			
Amarillo	(D)	(D)	1,542.3
Apollo ^R	589.6	444.9	409.9
Bravo ^R	435.7	356.2	417.1
Calypso	138.5	156.9	174.9
Cascade	1,257.8	1,248.9	1,562.0
Centennial	(D)	(D)	456.3
Chinook	662.2	715.5	1,113.9
Citra TM	523.7	698.5	1,257.7
Crystal	(D)	206.4	379.3
El Dorado ^R	230.6	376.3	473.7
Mosaic TM	619.7	1,093.4	1,290.5
Simcoe ^R	313.6	309.8	588.6
Super Galena ^R	201.4	129.2	(D)
Willamette	(D)	(D)	216.2
Zeus	1,922.8	1,601.1	2,786.3
Experimental	91.4	9.0	15.9
Other varieties ¹	1,737.9	1,951.6	1,074.6
Total	8,724.9	9,297.7	13,759.2
Oregon			
Cascade	2,163.0	1,934.5	1,663.0
Centennial	853.3	893.2	940.7
Chinook	240.0	179.2	206.7
Citra TM	241.0	684.7	1,056.1
Crystal	758.1	937.2	676.9
Fuggle	90.6	143.9	107.6
Golding	199.3	(D)	253.9
Liberty	285.6	(D)	(D)
Magnum	312.9	225.5	80.6
Mosaic TM	(D)	(D)	631.9
Mt. Hood	367.6	473.9	457.6
Nugget	2,802.1	2,810.9	2,487.9
Perle	(D)	(D)	88.5
Simcoe ^R	320.5	649.9	655.1
Sterling	280.8	370.8	319.4
Super Galena ^R	191.9	(D)	140.4
Tettnanger	165.2	145.6	72.9
Willamette	810.3	1,310.0	1,101.6
Other varieties ¹	585.6	1,636.0	972.4
Total	10,667.8	12,395.3	11,913.2

See footnote(s) at end of table.

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**Hop Area Harvested, Yield, and Production by Variety – States and United States:
2015-2017 (continued)**

State and variety	Area harvested			Yield per acre		
	2015 (acres)	2016 (acres)	2017 (acres)	2015 (pounds)	2016 (pounds)	2017 (pounds)
Washington						
ADHA-483 Azacca™	175	506	578	1,872	1,870	2,463
ADHA-881 Jarrylo™	122	131	(D)	1,541	1,408	(D)
Ahtanum™	145	155	371	1,557	1,012	1,052
Amarillo	(D)	(D)	1,984	(D)	(D)	1,687
Apollo ^R	708	735	684	2,738	2,225	2,729
Bravo ^R	569	573	486	2,824	2,671	2,973
Cascade	4,935	5,582	4,896	1,936	1,727	2,124
Centennial	3,770	4,359	4,305	1,145	1,355	1,703
Chinook	1,300	1,415	1,632	1,793	1,420	1,784
Citra™	2,335	3,264	3,645	1,541	1,543	1,748
Cluster	666	623	621	1,705	1,700	1,937
Columbus/Tomahawk ^R	1,673	1,416	1,659	2,524	1,969	2,646
Comet	108	163	205	1,780	949	1,855
Crystal	131	191	122	1,183	1,475	2,063
El Dorado ^R	243	396	463	2,154	1,904	1,946
Equinox	(D)	(D)	890	(D)	(D)	2,740
Eureka	(D)	(D)	362	(D)	(D)	2,244
Galena	295	262	378	1,968	1,692	2,134
Glacier	155	145	(D)	996	1,168	(D)
Golding	53	(D)	(D)	854	(D)	(D)
Loral HBC	(D)	(D)	186	(D)	(D)	2,295
Magnum	108	(D)	(D)	1,255	(D)	(D)
Mosaic™	1,528	2,029	1,877	2,036	2,326	2,439
Mt. Hood	130	88	87	1,069	1,075	1,043
Northern Brewer	123	(D)	(D)	991	(D)	(D)
Nugget	202	186	125	1,927	1,774	1,950
Simcoe ^R	2,916	3,769	3,753	1,540	1,673	1,792
Summit™	1,620	1,769	1,617	1,969	1,648	2,067
Super Galena ^R	351	310	435	2,729	2,501	2,647
Tahoma	(D)	(D)	217	(D)	(D)	1,752
Tettnanger	(D)	(D)	38	(D)	(D)	1,202
Vanguard	84	(D)	(D)	1,223	(D)	(D)
Williamette	698	728	571	1,007	1,277	1,446
YCR-4 (Palisade ^R)	454	580	571	1,950	2,228	2,209
Zeus	2,989	2,502	2,214	2,819	2,469	3,088
Experimental	316	567	421	1,546	1,592	1,901
Other varieties ¹	3,256	5,000	3,045	1,603	1,662	1,746
Total	32,158	37,444	38,438	1,849	1,748	2,047
United States²	43,633	50,857	53,282	1,807	1,713	1,959

See footnote(s) at end of table.

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**Hop Area Harvested, Yield, and Production by Variety – States and United States:
2015-2017 (continued)**

State and variety	Production		
	2015 (1,000 pounds)	2016 (1,000 pounds)	2017 (1,000 pounds)
Washington			
ADHA-483 Azacca™	327.6	946.4	1,423.6
ADHA-881 Jarrylo™	188.0	184.4	(D)
Ahtanum™	225.8	156.9	390.3
Amarillo	(D)	(D)	3,347.0
Apollo ^R	1,938.6	1,635.6	1,866.6
Bravo ^R	1,606.7	1,530.5	1,444.9
Cascade	9,553.3	9,638.8	10,399.1
Centennial	4,317.3	5,908.6	7,331.4
Chinook	2,331.1	2,008.9	2,911.5
Citra™	3,597.2	5,035.0	6,371.5
Cluster	1,135.7	1,058.8	1,202.9
Columbus/Tomahawk ^R	4,223.4	2,787.9	4,389.7
Comet	192.2	154.7	380.3
Crystal	155.0	281.7	251.7
El Dorado ^R	523.5	754.0	901.0
Equinox	(D)	(D)	2,438.6
Eureka	(D)	(D)	812.3
Galena	580.6	443.3	806.7
Glacier	154.4	169.3	(D)
Golding	45.3	(D)	(D)
Loral HBC	(D)	(D)	426.9
Magnum	135.5	(D)	(D)
Mosaic™	3,111.6	4,720.4	4,578.0
Mt. Hood	139.0	94.6	90.7
Northern Brewer	121.9	(D)	(D)
Nugget	389.2	330.0	243.8
Simcoe ^R	4,489.5	6,305.1	6,725.4
Summit™	3,189.6	2,914.5	3,342.3
Super Galena ^R	957.8	775.3	1,151.4
Tahoma	(D)	(D)	380.2
Tettnanger	(D)	(D)	45.7
Vanguard	102.7	(D)	(D)
Willamette	703.1	929.3	825.7
YCR-4(Palisade ^R)	885.2	1,292.5	1,261.3
Zeus	8,426.3	6,178.5	6,836.8
Experimental	488.4	902.7	800.3
Other varieties ¹	5,217.8	8,308.9	5,316.0
Total	59,453.3	65,446.6	78,693.6
United States²	78,846.0	87,139.6	104,366.0

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

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

² Includes 315 acres of organic hops for 2017 with yield equal to 1,239 pounds per acre and production at 390,400 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

Lance Honig, Chief, Crops Branch	(202) 720-2127
Jorge Garcia-Pratts, Head, Fruits, Vegetables and Special Crops Section.....	(202) 720-2127
Vincent Davis – Bananas, Cherries, Garlic, Lettuce, Mint, Papaya, Pears, Strawberries, Taro, Tomatoes	(202) 720-2157
Fleming Gibson – Avocados, Cauliflower, Celery, Citrus, Coffee, Dates, Figs, Kiwifruit, Nectarines, Olives, Watermelons	(202) 720-5412
Greg Lemmons – Blackberries, Blueberries, Boysenberries, Cranberries, Cucumbers, Potatoes, Pumpkins, Raspberries, Squash, Sugarbeets, Sugarcane, Sweet Potatoes	(202) 720-4285
Dan Norris – Artichokes, Austrian Winter Peas, Cantaloupes, Dry Beans, Dry Edible Peas, Honeydews, Lentils, Mushrooms, Peaches, Snap Beans	(202) 720-3250
Daphne Schauber – Bell Peppers, Broccoli, Cabbage, Chile Peppers, Floriculture, Grapes, Hops, Maple Syrup, Tree Nuts, Spinach	(202) 720-4215
Chris Singh – Apples, Apricots, Asparagus, Carrots, Lima Beans, Onions, Plums, Prunes, Sweet Corn, Tobacco	(202) 720-4288

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