



National Hop Report

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2018 Hop Production Up 1 Percent From Last Year

Production for Idaho, Oregon, and Washington in 2018 totaled a record high 107 million pounds, up 1 percent from the 2017 crop of 106 million pounds. Combined area harvested for Idaho, Oregon, and Washington in 2018 totaled a record high 55,035 acres, up 2 percent from the 2017 level of 53,989 acres. Harvested acreage increased in Idaho and Washington, but declined in Oregon. The United States hop yield, at 1,943 pounds per acre, declined 13 pounds from a year ago.

Washington produced 73 percent of the United States hop crop for 2018; while Idaho accounted for 15 percent and Oregon accounted for 12 percent. Cascade, Citra^R, Zeus, Centennial, Simcoe^R, and C/T/Z^R were the six leading varieties in Washington, accounting for 49 percent of the State's hop production. In Idaho, Zeus, Chinook, Amarillo^R, Cascade, Citra^R, and Mosaic^R were the major varieties, accounting for 70 percent of the State's hop production. In Oregon, Nugget, Cascade, Willamette, and Citra^R were the major varieties, accounting for 52 percent of the State's hop production.

The 2018 value of production for the United States totaled \$583 million, down 1 percent from the previous year.

Hop Area Harvested, Yield, Production, Price, and Value – States and United States: 2016-2018

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					
2016	5,648	1,646	9,297.7	5.50	51,137
2017	7,125	1,974	14,067.3	5.00	70,337
2018	8,140	1,995	16,242.8	5.30	86,087
Oregon					
2016	7,765	1,596	12,395.3	5.25	65,075
2017	8,216	1,518	12,470.4	5.00	62,352
2018	7,725	1,675	12,936.2	5.40	69,855
Washington					
2016	37,444	1,748	65,446.6	5.84	382,208
2017	38,648	2,046	79,083.8	5.80	458,686
2018	39,170	1,984	77,727.7	5.50	427,502
United States					
2016	50,857	1,713	87,139.6	5.72	498,420
2017	53,989	1,956	105,621.5	5.60	591,375
2018	55,035	1,943	106,906.7	5.46	583,444

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

Hop Area Harvested, Yield, and Production by Variety – States and United States: 2016-2018

State and variety	Area harvested			Yield per acre		
	2016	2017	2018	2016	2017	2018
	(acres)	(acres)	(acres)	(pounds)	(pounds)	(pounds)
Idaho						
Amarillo ^R , VGXP01	(D)	983	825	(D)	1,569	2,009
Apollo TM	235	228	232	1,893	1,798	1,951
Bravo TM	151	149	87	2,359	2,799	2,226
Calypso TM	81	81	81	1,937	2,159	2,138
Cascade	788	882	836	1,585	1,771	1,716
Centennial	(D)	255	(D)	(D)	2,028	(D)
Chinook	418	699	962	1,712	1,665	1,873
Citra ^R , HBC 394	576	759	855	1,213	1,657	1,438
Cluster	(D)	(D)	63	(D)	(D)	2,126
Comet	(D)	(D)	(D)	(D)	(D)	(D)
Crystal	123	182	150	1,678	2,084	1,927
El Dorado ^R	227	219	120	1,658	2,163	1,463
Eureka TM	(D)	(D)	133	(D)	(D)	2,299
Galena	(D)	(D)	109	(D)	(D)	1,715
Mosaic ^R , HBC 369	496	500	506	2,204	2,581	2,333
Simcoe ^R , YCR 14	232	394	449	1,335	1,494	1,245
Super Galena TM	69	(D)	84	1,872	(D)	2,493
Willamette	(D)	128	(D)	(D)	1,689	(D)
Zeus	580	1,061	1,496	2,761	2,756	2,764
Experimental	9	26	(D)	1,000	611	(D)
Other varieties ¹	1,663	579	1,152	1,174	1,959	1,845
Total	5,648	7,125	8,140	1,646	1,974	1,995
Oregon						
Cascade	1,211	1,247	1,064	1,597	1,425	1,623
Centennial	723	789	698	1,235	1,273	1,277
Chinook	107	124	129	1,675	1,667	1,674
Citra ^R , HBC 394	654	766	690	1,047	1,475	1,600
Crystal	423	407	354	2,216	1,772	1,819
Fuggle	141	86	59	1,021	1,251	1,034
Golding	(D)	215	121	(D)	1,181	1,160
Magnum	151	47	105	1,493	1,714	1,284
Mosiac ^R , HBC 369	(D)	337	(D)	(D)	1,875	(D)
Mt. Hood	324	318	311	1,463	1,439	1,411
Nugget	1,460	1,467	1,307	1,925	1,820	1,946
Perle	(D)	76	77	(D)	1,164	1,093
Simcoe ^R , YCR 14	330	461	436	1,969	1,421	1,588
Sterling	228	227	191	1,626	1,407	1,760
Super Galena TM	(D)	67	84	(D)	2,096	2,216
Tettnanger	122	72	72	1,193	1,013	1,027
Willamette	833	892	913	1,573	1,324	1,489
Experimental	(D)	(D)	(D)	(D)	(D)	(D)
Other varieties ¹	1,058	618	1,114	1,546	1,573	2,068
Total	7,765	8,216	7,725	1,596	1,518	1,675

See footnote(s) at end of table.

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**Hop Area Harvested, Yield, and Production by Variety – States and United States:
2016-2018 (continued)**

State and variety	Production		
	2016 (1,000 pounds)	2017 (1,000 pounds)	2018 (1,000 pounds)
Idaho			
Amarillo ^R , VGXP01	(D)	1,542.3	1,657.4
Apollo TM	444.9	409.9	452.6
Bravo TM	356.2	417.1	193.7
Calypso TM	156.9	174.9	173.2
Cascade	1,248.9	1,562.0	1,434.6
Centennial	(D)	517.1	(D)
Chinook	715.5	1,163.8	1,801.8
Citra ^R , HBC 394	698.5	1,257.7	1,229.5
Cluster	(D)	(D)	133.9
Comet	(D)	(D)	(D)
Crystal	206.4	379.3	289.1
El Dorado ^R	376.3	473.7	175.6
Eureka TM	(D)	(D)	305.8
Galena	(D)	(D)	186.9
Mosaic ^R , HBC 369	1,093.4	1,290.5	1,180.5
Simcoe ^R , YCR 14	309.8	588.6	559.0
Super Galena TM	129.2	(D)	209.4
Willamette	(D)	216.2	(D)
Zeus	1,601.1	2,924.1	4,134.9
Experimental	9.0	15.9	(D)
Other varieties ¹	1,951.6	1,134.2	2,124.9
Total	9,297.7	14,067.3	16,242.8
Oregon			
Cascade	1,934.5	1,777.0	1,726.9
Centennial	893.2	1,004.4	891.3
Chinook	179.2	206.7	215.9
Citra ^R , HBC 394	684.7	1,129.9	1,104.0
Crystal	937.2	721.2	643.9
Fuggle	143.9	107.6	61.0
Golding	(D)	253.9	140.4
Magnum	225.5	80.6	134.8
Mosaic ^R , HBC 369	(D)	631.9	(D)
Mt. Hood	473.9	457.6	438.8
Nugget	2,810.9	2,669.9	2,543.4
Perle	(D)	88.5	84.2
Simcoe ^R , YCR 14	649.9	655.1	692.4
Sterling	370.8	319.4	336.2
Super Galena TM	(D)	140.4	186.1
Tettnanger	145.6	72.9	73.9
Willamette	1,310.0	1,181.0	1,359.5
Experimental	(D)	(D)	(D)
Other varieties ¹	1,636.0	972.4	2,303.5
Total	12,395.3	12,470.4	12,936.2

See footnote(s) at end of table.

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**Hop Area Harvested, Yield, and Production by Variety – States and United States:
2016-2018 (continued)**

State and variety	Area harvested			Yield per acre		
	2016 (acres)	2017 (acres)	2018 (acres)	2016 (pounds)	2017 (pounds)	2018 (pounds)
Washington						
Ahtanum™, YCR 1	155	371	255	1,012	1,052	2,730
Amarillo ^R , VGXP01	(D)	1,984	1,895	(D)	1,687	1,868
Apollo™	735	684	795	2,225	2,729	2,848
Azacca™, ADHA-483	506	578	546	1,870	2,463	2,491
Bravo™	573	486	280	2,671	2,973	3,258
Cascade	5,582	4,966	4,274	1,727	2,124	1,972
Cashmere	(D)	(D)	195	(D)	(D)	1,519
Centennial	4,359	4,375	3,875	1,356	1,703	1,364
Chinook	1,415	1,632	1,734	1,420	1,784	1,875
Citra ^R , HBC 394	3,264	3,715	4,837	1,543	1,748	1,611
Cluster	623	621	610	1,700	1,937	1,813
C/T/Z ^R	1,416	1,659	2,034	1,969	2,646	2,482
Comet	163	205	218	949	1,855	1,750
Crystal	191	122	114	1,475	2,063	2,357
Ekuanot™, HBC 366	(D)	890	865	(D)	2,740	2,583
El Dorado ^R	396	463	418	1,904	1,946	1,880
Eureka™	(D)	362	409	(D)	2,244	2,954
Galena	262	378	390	1,692	2,134	2,149
Glacier	145	(D)	(D)	1,168	(D)	(D)
Jarrylo™, ADHA-881	131	(D)	(D)	1,408	(D)	(D)
Loral™, HBC 291	(D)	186	172	(D)	2,295	2,349
Mosaic ^R , HBC 369	2,029	1,877	1,932	2,327	2,439	2,351
Mt. Hood	88	87	104	1,075	1,043	1,454
Mt. Rainier	(D)	(D)	306	(D)	(D)	1,899
Nugget	186	125	126	1,774	1,950	1,498
Pahto™, HBC 682	(D)	(D)	1,721	(D)	(D)	2,087
Palisade ^R , YCR 4	580	571	515	2,228	2,209	2,441
Pekko™, ADHA-871	(D)	(D)	92	(D)	(D)	1,889
Simcoe ^R , YCR 14	3,769	3,753	3,103	1,673	1,792	1,642
Sorachi Ace	(D)	(D)	146	(D)	(D)	1,042
Summit™	1,769	1,617	1,574	1,648	2,067	1,826
Super Galena™	310	435	500	2,501	2,647	3,133
Tahoma	(D)	217	209	(D)	1,752	2,147
Tettnanger	(D)	38	(D)	(D)	1,202	(D)
Willamette	728	571	376	1,277	1,446	1,348
Zeus	2,502	2,214	2,592	2,469	3,088	2,619
Experimental	567	421	374	1,592	1,901	1,889
Other varieties ¹	5,000	3,045	1,584	1,662	1,746	1,896
Total	37,444	38,648	39,170	1,748	2,046	1,984
United States²	50,857	53,989	55,035	1,713	1,956	1,943

See footnote(s) at end of table.

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**Hop Area Harvested, Yield, and Production by Variety – States and United States:
2016-2018 (continued)**

State and variety	Production		
	2016 (1,000 pounds)	2017 (1,000 pounds)	2018 (1,000 pounds)
Washington			
Ahtanum™, YCR 1	156.9	390.3	696.2
Amarillo ^R , VGXP01	(D)	3,347.0	3,539.9
Apollo™	1,635.6	1,866.6	2,264.2
Azacca™, ADHA-483	946.4	1,423.6	1,360.1
Bravo™	1,530.5	1,444.9	912.2
Cascade	9,638.8	10,547.8	8,428.3
Cashmere	(D)	(D)	296.2
Centennial	5,908.6	7,450.6	5,285.5
Chinook	2,008.9	2,911.5	3,251.3
Citra ^R , HBC 394	5,035.0	6,493.8	7,792.4
Cluster	1,058.8	1,202.9	1,105.9
C/T/Z ^R	2,787.9	4,389.7	5,048.4
Comet	154.7	380.3	381.5
Crystal	281.7	251.7	268.7
Ekuanot™, HBC 366	(D)	2,438.6	2,234.3
El Dorado ^R	754.0	901.0	785.8
Eureka™	(D)	812.3	1,208.2
Galena	443.3	806.7	838.1
Glacier	169.3	(D)	(D)
Jarrylo™, ADHA-881	184.4	(D)	(D)
Loral™, HBC 291	(D)	426.9	404.0
Mosaic ^R , HBC 369	4,720.4	4,578.0	4,542.1
Mt. Hood	94.6	90.7	151.2
Mt. Rainier	(D)	(D)	581.1
Nugget	330.0	243.8	188.7
Pahto™, HBC 682	(D)	(D)	3,591.7
Palisade ^R , YCR 4	1,292.5	1,261.3	1,257.1
Pekko™, ADHA-871	(D)	(D)	173.8
Simcoe ^R , YCR 14	6,305.1	6,725.4	5,095.1
Sorachi Ace	(D)	(D)	152.1
Summit™	2,914.5	3,342.3	2,874.1
Super Galena™	775.3	1,151.4	1,566.5
Tahoma	(D)	380.2	448.7
Tettnanger	(D)	45.7	(D)
Willamette	929.3	825.7	506.8
Zeus	6,178.5	6,836.8	6,788.4
Experimental	902.7	800.3	706.5
Other varieties ¹	8,308.9	5,316.0	3,002.6
Total	65,446.6	79,083.8	77,727.7
United States²	87,139.6	105,621.5	106,906.7

(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 430 acres of organic hops for 2018 with yield equal to 1,119 pounds per acre and production at 481,200 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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Jorge Garcia-Pratts, Head, Fruits, Vegetables and Special Crops Section.....	(202) 720-2127
Vincent Davis – Apricots, Bananas, Cherries, Garlic, Lettuce, Mint, Papaya, Pears, Strawberries, Tomatoes.....	(202) 720-2157
Fleming Gibson – Avocados, Cauliflower, Celery, Citrus, Coffee, Dates, Figs, Kiwifruit, Nectarines, Olives, Green Peas, Taro, 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
Jorge Garcia-Pratts – Apples, Asparagus, Carrots, Lima Beans, Onions, Plums, Prunes, Sweet Corn, Tobacco	(202) 720-2127

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