



National Hop Report

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2019 Hop Production Up 5 Percent From Last Year

Production for Idaho, Oregon, and Washington in 2019 totaled a record high 112 million pounds, up 5 percent from the 2018 crop of 107 million pounds. Combined area harvested for Idaho, Oregon, and Washington in 2019 totaled a record high 56,544 acres, up 3 percent from the 2018 level of 55,035 acres. Harvested acreage increased in Idaho and Washington, but declined in Oregon. The United States hop yield, at 1,981 pounds per acre, up 38 pounds from a year ago.

Washington produced 73 percent of the United States hop crop for 2019; while Idaho accounted for 15 percent and Oregon accounted for 12 percent. Citra^R, Cascade, Zeus, Simcoe^R, C/T/Z^R, and Mosaic^R were the six leading varieties in Washington, accounting for 50 percent of the State's hop production. In Idaho, C/T/Z^R, Mosaic^R, Chinook, Zeus, Citra^R, and Cascade were the major varieties, accounting for 65 percent of the State's hop production. In Oregon, Nugget, Cascade, Citra^R, and Willamette were the major varieties, accounting for 50 percent of the State's hop production.

The 2019 value of production for the United States totaled \$637 million, up 9 percent from the previous year.

Hop Area Harvested, Yield, Production, Price, and Value – States and United States: 2017-2019

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					
2017	7,125	1,974	14,067.3	5.00	70,337
2018	8,140	1,995	16,242.8	5.30	86,087
2019	8,358	2,034	17,003.1	5.25	89,266
Oregon					
2017	8,216	1,518	12,470.4	5.00	62,352
2018	7,725	1,675	12,936.2	5.40	69,855
2019	7,306	1,783	13,023.2	5.50	71,628
Washington					
2017	38,648	2,046	79,083.8	5.80	458,686
2018	39,170	1,984	77,727.7	5.50	427,502
2019	40,880	2,006	82,014.9	5.80	475,686
United States					
2017	53,989	1,956	105,621.5	5.60	591,375
2018	55,035	1,943	106,906.7	5.46	583,444
2019	56,544	1,981	112,041.2	5.68	636,580

Hop Area Harvested, Yield, and Production by Variety – States and United States: 2017-2019

State and variety	Area harvested			Yield per acre		
	2017	2018	2019	2017	2018	2019
	(acres)	(acres)	(acres)	(pounds)	(pounds)	(pounds)
Idaho						
Amarillo ^R , VGXP01	983	825	561	1,569	2,009	1,560
Apollo TM	228	232	(D)	1,798	1,951	(D)
Bravo TM	149	87	(D)	2,799	2,226	(D)
Calypso TM	81	81	81	2,159	2,138	1,901
Cascade	882	836	710	1,771	1,716	1,823
Centennial	255	(D)	(D)	2,028	(D)	(D)
Chinook	699	962	786	1,665	1,873	2,215
Citra ^R , HBC 394	759	855	973	1,657	1,438	1,532
Cluster	(D)	63	(D)	(D)	2,126	(D)
C/T/Z ^R	(D)	(D)	991	(D)	(D)	3,002
Comet	(D)	(D)	112	(D)	(D)	1,970
Crystal	182	150	131	2,084	1,927	1,971
El Dorado ^R	219	120	352	2,163	1,463	1,352
Eureka TM	(D)	133	185	(D)	2,299	2,243
Galena	(D)	109	113	(D)	1,715	1,773
Hallertauer	(D)	(D)	(D)	(D)	(D)	(D)
Idaho 7 TM	(D)	(D)	388	(D)	(D)	2,562
Mosaic ^R , HBC 369	500	506	801	2,581	2,333	2,296
Northern Brewer	(D)	(D)	(D)	(D)	(D)	(D)
Saaz	(D)	(D)	140	(D)	(D)	771
Simcoe ^R , YCR 14	394	449	469	1,494	1,245	1,164
Super Galena TM	(D)	84	(D)	(D)	2,493	(D)
Willamette	128	(D)	170	1,689	(D)	1,695
Zeus	1,061	1,496	611	2,756	2,764	2,672
Experimental	26	(D)	(D)	611	(D)	(D)
Other varieties ¹	579	1,152	784	1,959	1,845	1,907
Total	7,125	8,140	8,358	1,974	1,995	2,034
Oregon						
Amarillo ^R , VGXP01	(D)	(D)	212	(D)	(D)	2,312
Cascade	1,247	1,064	1,039	1,425	1,623	1,620
Centennial	789	698	614	1,273	1,277	1,661
Chinook	124	129	114	1,667	1,674	1,733
Citra ^R , HBC 394	766	690	998	1,475	1,600	1,476
Crystal	407	354	247	1,772	1,819	1,943
Fuggle	86	59	63	1,251	1,034	1,243
Golding	215	121	92	1,181	1,160	1,351
Magnum	47	105	(D)	1,714	1,284	(D)
Meridian	(NA)	(D)	(D)	(NA)	(D)	(D)
Mosaic ^R , HBC 369	337	(D)	478	1,875	(D)	2,113
Mt. Hood	318	311	295	1,439	1,411	1,538
Nugget	1,467	1,307	1,059	1,820	1,946	2,130
Perle	76	77	(D)	1,164	1,093	(D)
Simcoe ^R , YCR 14	461	436	440	1,421	1,588	1,845
Sterling	227	191	147	1,407	1,760	1,643
Strata TM OR 91331	(NA)	(NA)	253	(NA)	(NA)	2,066
Super Galena TM	67	84	78	2,096	2,216	2,580
Tettnanger	72	72	(D)	1,013	1,027	(D)
Willamette	892	913	619	1,324	1,489	1,717
Experimental	(D)	(D)	(D)	(D)	(D)	(D)
Other varieties ¹	618	1,114	558	1,573	2,068	1,644
Total	8,216	7,725	7,306	1,518	1,675	1,783

See footnote(s) at end of table.

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**Hop Area Harvested, Yield, and Production by Variety – States and United States:
2017-2019 (continued)**

State and variety	Production		
	2017 (1,000 pounds)	2018 (1,000 pounds)	2019 (1,000 pounds)
Idaho			
Amarillo [®] , VGXP01	1,542.3	1,657.4	875.2
Apollo [™]	409.9	452.6	(D)
Bravo [™]	417.1	193.7	(D)
Calypso [™]	174.9	173.2	154.0
Cascade	1,562.0	1,434.6	1,294.3
Centennial	517.1	(D)	(D)
Chinook	1,163.8	1,801.8	1,741.0
Citra [®] , HBC 394	1,257.7	1,229.5	1,490.6
Cluster	(D)	133.9	(D)
C/T/Z [®]	(D)	(D)	2,975.0
Comet	(D)	(D)	220.6
Crystal	379.3	289.1	258.2
El Dorado [®]	473.7	175.6	475.9
Eureka [™]	(D)	305.8	415.0
Galena	(D)	186.9	200.3
Hallertauer	(D)	(D)	(D)
Idaho 7 [™]	(D)	(D)	994.1
Mosaic [®] , HBC 369	1,290.5	1,180.5	1,839.1
Northern Brewer	(D)	(D)	(D)
Saaz	(D)	(D)	107.9
Simcoe [®] , YCR 14	588.6	559.0	545.9
Super Galena [™]	(D)	209.4	(D)
Willamette	216.2	(D)	288.2
Zeus	2,924.1	4,134.9	1,632.6
Experimental	15.9	(D)	(D)
Other varieties ¹	1,134.2	2,124.9	1,495.2
Total	14,067.3	16,242.8	17,003.1
Oregon			
Amarillo [®] , VGXP01	(D)	(D)	490.1
Cascade	1,777.0	1,726.9	1,683.2
Centennial	1,004.4	891.3	1,019.9
Chinook	206.7	215.9	197.6
Citra [®] , HBC 394	1,129.9	1,104.0	1,473.0
Crystal	721.2	643.9	479.9
Fuggle	107.6	61.0	78.3
Golding	253.9	140.4	124.3
Magnum	80.6	134.8	(D)
Meridian	(NA)	(D)	(D)
Mosaic [®] , HBC 369	631.9	(D)	1,010.0
Mt. Hood	457.6	438.8	453.7
Nugget	2,669.9	2,543.4	2,255.7
Perle	88.5	84.2	(D)
Simcoe [®] , YCR 14	655.1	692.4	811.8
Sterling	319.4	336.2	241.5
Strata [™] OR 91331	(NA)	(NA)	522.7
Super Galena [™]	140.4	186.1	201.2
Tettnanger	72.9	73.9	(D)
Willamette	1,181.0	1,359.5	1,062.8
Experimental	(D)	(D)	(D)
Other varieties ¹	972.4	2,303.5	917.5
Total	12,470.4	12,936.2	13,023.2

See footnote(s) at end of table.

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**Hop Area Harvested, Yield, and Production by Variety – States and United States:
2017-2019 (continued)**

State and variety	Area harvested			Yield per acre		
	2017 (acres)	2018 (acres)	2019 (acres)	2017 (pounds)	2018 (pounds)	2019 (pounds)
Washington						
Ahtanum™, YCR 1	371	255	261	1,052	2,730	2,820
Amarillo ^R , VGXP01	1,984	1,895	1,597	1,687	1,868	1,946
Apollo™	684	795	851	2,729	2,848	2,735
Azacca™, ADHA-483	578	546	589	2,463	2,491	2,441
Bravo™	486	280	236	2,973	3,258	3,216
Cascade	4,966	4,274	3,718	2,124	1,972	1,920
Cashmere	(D)	195	310	(D)	1,519	1,699
Centennial	4,375	3,875	3,031	1,703	1,364	1,820
Chinook	1,632	1,734	1,437	1,784	1,875	1,942
Citra ^R , HBC 394	3,715	4,837	6,720	1,748	1,611	1,424
Cluster	621	610	470	1,937	1,813	1,815
C/T/Z ^R	1,659	2,034	2,323	2,646	2,482	2,584
Comet	205	218	210	1,855	1,750	1,311
Crystal	122	114	66	2,063	2,357	1,989
Ekuanot™, HBC 366	890	865	632	2,740	2,583	2,483
El Dorado ^R	463	418	641	1,946	1,880	2,032
Eureka™	362	409	425	2,244	2,954	3,188
Galena	378	390	297	2,134	2,149	2,045
Glacier	(D)	(D)	(D)	(D)	(D)	(D)
Idaho 7™	(D)	(D)	85	(D)	(D)	1,544
Jarrylo™, ADHA-881	(D)	(D)	(D)	(D)	(D)	(D)
Loral™, HBC 291	186	172	125	2,295	2,349	2,515
Mosaic ^R , HBC 369	1,877	1,932	2,829	2,439	2,351	2,054
Mt. Hood	87	104	53	1,043	1,454	1,037
Mt. Rainier	(D)	306	239	(D)	1,899	2,149
Nugget	125	126	104	1,950	1,498	2,313
Pahto™, HBC 682	(NA)	1,721	2,109	(NA)	2,087	2,398
Palisade ^R , YCR 4	571	515	477	2,209	2,441	2,520
Pekko™, ADHA-871	(D)	92	(D)	(D)	1,889	(D)
Sabro™, HBC 438	(NA)	(NA)	724	(NA)	(NA)	1,612
Simcoe ^R , YCR 14	3,753	3,103	3,367	1,792	1,642	1,788
Sorachi Ace	(D)	146	(D)	(D)	1,042	(D)
Summit™	1,617	1,574	1,072	2,067	1,826	1,816
Super Galena™	435	500	473	2,647	3,133	2,871
Tahoma	217	209	230	1,752	2,147	1,958
Tettnanger	38	(D)	(D)	1,202	(D)	(D)
Willamette	571	376	270	1,446	1,348	1,596
Zeus	2,214	2,592	2,612	3,088	2,619	2,620
Experimental	421	374	360	1,901	1,889	2,251
Other varieties ¹	3,045	1,584	1,937	1,746	1,896	1,888
Total	38,648	39,170	40,880	2,046	1,984	2,006
United States²	53,989	55,035	56,544	1,956	1,943	1,981

See footnote(s) at end of table.

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Hop Area Harvested, Yield, and Production by Variety – States and United States: 2017-2019 (continued)

State and variety	Production		
	2017 (1,000 pounds)	2018 (1,000 pounds)	2019 (1,000 pounds)
Washington			
Ahtanum™, YCR 1	390.3	696.2	736.0
Amarillo ^R , VGXP01	3,347.0	3,539.9	3,107.8
Apollo™	1,866.6	2,264.2	2,327.5
Azacca™, ADHA-483	1,423.6	1,360.1	1,437.7
Bravo™	1,444.9	912.2	759.0
Cascade	10,547.8	8,428.3	7,138.6
Cashmere	(D)	296.2	526.7
Centennial	7,450.6	5,285.5	5,516.4
Chinook	2,911.5	3,251.3	2,790.7
Citra ^R , HBC 394	6,493.8	7,792.4	9,569.3
Cluster	1,202.9	1,105.9	853.1
C/T/Z ^R	4,389.7	5,048.4	6,002.6
Comet	380.3	381.5	275.3
Crystal	251.7	268.7	131.3
Ekuanot™, HBC 366	2,438.6	2,234.3	1,569.3
El Dorado ^R	901.0	785.8	1,302.5
Eureka™	812.3	1,208.2	1,354.9
Galena	806.7	838.1	607.4
Glacier	(D)	(D)	(D)
Idaho 7™	(D)	(D)	131.2
Jarrylo™, ADHA-881	(D)	(D)	(D)
Loral™, HBC 291	426.9	404.0	314.4
Mosaic ^R , HBC 369	4,578.0	4,542.1	5,810.8
Mt. Hood	90.7	151.2	55.0
Mt. Rainier	(D)	581.1	513.6
Nugget	243.8	188.7	240.6
Pahto™, HBC 682	(NA)	3,591.7	5,057.4
Palisade ^R , YCR 4	1,261.3	1,257.1	1,202.0
Pekko™, ADHA-871	(D)	173.8	(D)
Sabro™, HBC 438	(NA)	(NA)	1,167.1
Simcoe ^R , YCR 14	6,725.4	5,095.1	6,020.2
Sorachi Ace	(D)	152.1	(D)
Summit™	3,342.3	2,874.1	1,946.8
Super Galena™	1,151.4	1,566.5	1,358.0
Tahoma	380.2	448.7	450.3
Tettnanger	45.7	(D)	(D)
Willamette	825.7	506.8	430.9
Zeus	6,836.8	6,788.4	6,843.4
Experimental	800.3	706.5	810.4
Other varieties ¹	5,316.0	3,002.6	3,656.7
Total	79,083.8	77,727.7	82,014.9
United States²	105,621.5	106,906.7	112,041.2

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

(NA) Not available.

^R Registered

TM Trademark

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

² Includes 532 acres of organic hops for 2019 with yield equal to 1,255 pounds per acre and production at 667,660 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@usda.gov

Lance Honig, Chief, Crops Branch	(202) 720-2127
Jorge Garcia-Pratts, Head, Fruits, Vegetables and Special Crops Section.....	(202) 720-2127
Joshua Bates – Almonds, Apples, Apricots, Asparagus, Carrots, Coffee, Onions, Plums, Prunes, Sweet Corn, Tobacco	(202) 720-4288
Jorge Garcia-Pratts – Dry Beans, Garlic, Hazelnuts, Honeydews, Kiwifruit, Lettuce, Maple Syrup, Mint, Pears, Sweet Cherries, Tart Cherries, Tomatoes	(202) 720-2127
Fleming Gibson – Cauliflower, Celery, Grapefruit, Lemons, Macadamia, Mandarins and tangerines, Mushrooms, Olives, Oranges	(202) 720-5412
Greg Lemmons – Cranberries, Cucumbers, Pistachios, Potatoes, Pumpkins, Raspberries, Squash, Strawberries, Sugarbeets, Sugarcane, Sweet Potatoes, Tame Blueberries, Wild Blueberries.....	(202) 720-4285
Dan Norris – Artichokes, Cantaloupes, Dry Edible Peas, Green Peas, Lentils, Nectarines, Papayas, Peaches, Snap Beans, Spinach, Walnuts, Watermelons	(202) 720-3250
Dawn Smoker – Avocados, Bell Peppers, Broccoli, Cabbage, Chickpeas, Chile Peppers, Dates, Floriculture, Grapes, Hops, Pecans	(202) 720-4215

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For more information on NASS surveys and reports, call the NASS Agricultural Statistics Hotline at (800) 727-9540, 7:30 a.m. to 4:00 p.m. ET, or e-mail: nass@nass.usda.gov.

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