



National Hop Report

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2021 Hop Production Up 11 Percent From Last Year

Production for Idaho, Oregon, and Washington in 2021 totaled 116 million pounds, up 11 percent from the 2020 crop of 104 million pounds. Combined area harvested for Idaho, Oregon, and Washington in 2021 totaled a record high 60,872 acres, up 4 percent from the 2020 level of 58,641 acres. Harvested acreage increased in Idaho, Oregon, and Washington. The United States hop yield, at 1,900 pounds per acre, is up 130 pounds from a year ago.

Washington produced 73 percent of the United States hop crop for 2021; while Idaho accounted for 16 percent and Oregon accounted for 11 percent. In Washington, Citra^R, Columbus/Tomahawk^R/Zeus, Mosaic^R, Simcoe^R, and PahtoTM were the five leading varieties, accounting for 53 percent of the State's hop production. In Idaho, Columbus/Tomahawk^R/Zeus, Mosaic^R, Citra^R, Idaho 7TM, and El Dorado^R were the major varieties, accounting for 63 percent of the State's hop production. In Oregon, Citra^R, Mosaic^R, StrataTM, Nugget, and Cascade were the major varieties, accounting for 61 percent of the State's hop production.

The 2021 value of production for the United States totaled \$662 million, up 7 percent from the previous year.

Hop Area Harvested, Yield, Production, Price, and Value – States and United States: 2019-2021

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					
2019	8,358	2,034	17,003.1	5.25	89,266
2020	9,268	1,855	17,190.1	5.80	99,703
2021	9,694	1,900	18,414.8	5.70	104,964
Oregon					
2019	7,306	1,783	13,023.2	5.50	71,628
2020	7,104	1,755	12,468.7	6.00	74,812
2021	7,395	1,705	12,607.9	5.90	74,387
Washington					
2019	40,880	2,006	82,014.9	5.80	475,686
2020	42,269	1,754	74,151.5	6.00	444,909
2021	43,783	1,932	84,608.2	5.70	482,267
United States					
2019	56,544	1,981	112,041.2	5.68	636,580
2020	58,641	1,770	103,810.3	5.97	619,424
2021	60,872	1,900	115,630.9	5.72	661,618

Hop Area Harvested, Yield, and Production by Variety – States and United States: 2019-2021

State and variety	Area harvested			Yield per acre		
	2019	2020	2021	2019	2020	2021
	(acres)	(acres)	(acres)	(pounds)	(pounds)	(pounds)
Idaho						
Amarillo ^R , VGXP01	561	538	380	1,560	1,576	1,813
Calypso TM	81	(D)	(D)	1,901	(D)	(D)
Cascade	710	407	479	1,823	1,213	1,559
Cashmere	(D)	125	124	(D)	1,578	1,828
Chinook	786	624	521	2,215	1,614	2,104
Citra ^R , HBC 394	973	1,527	1,743	1,532	1,686	1,413
Columbus/Tomahawk ^R /Zeus ¹	991	1,457	1,046	3,002	2,673	3,169
Comet	112	93	146	1,970	1,740	1,663
Crystal	131	(D)	(D)	1,971	(D)	(D)
El Dorado ^R	352	526	621	1,352	1,590	1,778
Eureka! TM	185	(D)	332	2,243	(D)	2,552
Galena	113	(D)	(D)	1,773	(D)	(D)
Hallertauer Mittelfruher	25	159	159	1,253	614	1,272
Idaho 7 TM	388	564	592	2,562	2,442	2,837
Mosaic ^R , HBC 369	801	1,186	1,380	2,296	2,335	2,141
Mt. Rainier	(D)	(D)	84	(D)	(D)	985
Northern Brewer	57	58	58	1,407	1,432	1,266
Saaz	140	(D)	330	771	(D)	620
Simcoe ^R , YCR 14	469	425	388	1,164	992	1,121
Triumph	(NA)	39	72	(NA)	365	1,063
Willamette	170	(D)	389	1,695	(D)	1,311
Zeus ¹	611	(NA)	(NA)	2,672	(NA)	(NA)
Other varieties ²	702	1,540	850	1,971	1,567	1,725
Total	8,358	9,268	9,694	2,034	1,855	1,900
Oregon						
Amarillo ^R , VGXP01	212	216	193	2,312	2,360	2,186
Cascade	1,039	754	666	1,620	1,639	1,595
Centennial	614	489	364	1,661	1,675	1,384
Chinook	114	86	79	1,733	1,481	1,794
Citra ^R , HBC 394	998	1,327	1,472	1,476	1,506	1,414
Crystal	247	(D)	159	1,943	(D)	1,816
Fuggle	63	(D)	(D)	1,243	(D)	(D)
Golding	92	(D)	78	1,351	(D)	927
Liberty	(D)	56	54	(D)	2,289	1,506
Mosaic ^R , HBC 369	478	595	844	2,113	2,155	2,077
Mt. Hood	295	159	123	1,538	1,551	1,624
Mt. Rainier	(D)	(D)	126	(D)	(D)	1,389
Nugget	1,059	826	572	2,130	1,841	2,162
Sabro TM , HBC 438	(D)	74	225	(D)	870	1,749
Simcoe ^R , YCR 14	440	474	499	1,845	1,823	1,643
Sterling	147	58	58	1,643	1,728	1,321
Strata TM , OR 91331	253	484	833	2,066	2,068	1,889
Super Galena TM	78	87	(D)	2,580	2,801	(D)
Willamette	619	605	446	1,717	1,857	1,461
Other varieties ²	558	814	604	1,644	1,479	1,780
Total	7,306	7,104	7,395	1,783	1,755	1,705

See footnote(s) at end of table.

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**Hop Area Harvested, Yield, and Production by Variety – States and United States:
2019-2021 (continued)**

State and variety	Production		
	2019 (1,000 pounds)	2020 (1,000 pounds)	2021 (1,000 pounds)
Idaho			
Amarillo ^R , VGXP01	875.2	847.9	688.9
Calypso TM	154.0	(D)	(D)
Cascade	1,294.3	493.7	746.8
Cashmere	(D)	197.3	226.7
Chinook	1,741.0	1,007.1	1,096.2
Citra ^R , HBC 394	1,490.6	2,574.5	2,462.9
Columbus/Tomahawk ^R /Zeus ¹	2,975.0	3,894.6	3,314.8
Comet	220.6	161.8	242.8
Crystal	258.2	(D)	(D)
El Dorado ^R	475.9	836.3	1,104.1
Eureka! TM	415.0	(D)	847.3
Galena	200.3	(D)	(D)
Hallertauer Mittelfruher	31.3	97.6	202.2
Idaho 7 TM	994.1	1,377.3	1,679.5
Mosaic ^R , HBC 369	1,839.1	2,769.3	2,954.6
Mt. Rainier	(D)	(D)	82.7
Northern Brewer	80.2	83.1	73.4
Saaz	107.9	(D)	204.6
Simcoe ^R , YCR 14	545.9	421.6	434.9
Triumph	(NA)	14.2	76.5
Willamette	288.2	(D)	510.0
Zeus ¹	1,632.6	(NA)	(NA)
Other varieties ²	1,383.7	2,413.8	1,465.9
Total	17,003.1	17,190.1	18,414.8
Oregon			
Amarillo ^R , VGXP01	490.1	509.8	421.9
Cascade	1,683.2	1,235.8	1,062.3
Centennial	1,019.9	819.1	503.8
Chinook	197.6	127.4	141.7
Citra ^R , HBC 394	1,473.0	1,998.5	2,081.4
Crystal	479.9	(D)	288.7
Fuggle	78.3	(D)	(D)
Golding	124.3	(D)	72.3
Liberty	(D)	128.2	81.3
Mosaic ^R , HBC 369	1,010.0	1,282.2	1,753.0
Mt. Hood	453.7	246.6	199.8
Mt. Rainier	(D)	(D)	175.0
Nugget	2,255.7	1,520.7	1,236.7
Sabro TM HBC 438	(D)	64.4	393.5
Simcoe ^R , YCR 14	811.8	864.1	819.9
Sterling	241.5	100.2	76.6
Strata TM , OR 91331	522.7	1,000.9	1,573.5
Super Galena TM	201.2	243.7	(D)
Willamette	1,062.8	1,123.5	651.6
Other varieties ²	917.5	1,203.6	1,074.9
Total	13,023.2	12,468.7	12,607.9

See footnote(s) at end of table.

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**Hop Area Harvested, Yield, and Production by Variety – States and United States:
2019-2021 (continued)**

State and variety	Area harvested			Yield per acre		
	2019 (acres)	2020 (acres)	2021 (acres)	2019 (pounds)	2020 (pounds)	2021 (pounds)
Washington						
Ahtanum™, YCR 1	261	230	166	2,820	2,134	2,211
Amarillo [®] , VGXP01	1,597	1,395	1,334	1,946	1,649	1,659
Apollo™	851	750	(D)	2,735	2,248	(D)
Azacca™, ADHA-483	589	722	730	2,441	1,527	1,909
Bravo™	236	201	238	3,216	2,308	2,759
Cascade	3,718	2,877	3,183	1,920	1,551	1,585
Cashmere	310	448	690	1,699	1,514	1,395
Centennial	3,031	2,444	1,978	1,820	1,640	1,585
Chinook	1,437	1,183	1,174	1,942	1,665	1,851
Citra [®] , HBC 394	6,720	8,143	8,766	1,424	1,526	1,580
Cluster	470	413	390	1,815	2,065	2,016
Columbus/Tomahawk [®] /Zeus ¹	2,323	4,829	4,523	2,584	2,176	2,656
Comet	210	330	386	1,311	872	1,632
Crystal	66	(D)	(D)	1,989	(D)	(D)
Ekuanot [®] , HBC 366	632	641	381	2,483	2,158	2,608
El Dorado [®]	641	1,058	1,113	2,032	1,516	1,876
Eureka!™	425	465	466	3,188	2,332	3,022
Galena	297	241	(D)	2,045	1,838	(D)
Idaho 7™	85	341	388	1,544	1,736	3,197
Jarrylo [®] , ADHA-881	(D)	17	(D)	(D)	1,428	(D)
Loral [®] , HBC 291	125	164	197	2,515	1,874	2,088
Mosaic [®] , HBC 369	2,829	3,715	4,193	2,054	1,998	2,129
Mt. Hood	53	48	(D)	1,037	1,139	(D)
Mt. Rainier	239	223	209	2,149	1,586	1,635
Nugget	104	(D)	(D)	2,313	(D)	(D)
Pahto™, HBC 682	2,109	2,208	2,114	2,398	2,019	2,463
Palisade [®] , YCR 4	477	246	333	2,520	2,114	1,866
Pekko [®] , ADHA-871	(D)	801	1,070	(D)	1,239	2,072
Sabro™, HBC 438	724	1,145	1,120	1,612	1,886	2,207
Simcoe [®] , YCR 14	3,367	3,214	3,172	1,788	1,643	1,646
Summit™	1,072	640	437	1,816	1,096	1,351
Super Galena™	473	475	480	2,871	2,636	2,849
Tahoma	230	177	388	1,958	1,588	1,055
Warrior [®] , YCR 5	(D)	283	128	(D)	1,669	2,240
Willamette	270	203	132	1,596	1,458	1,200
Zeus ¹	2,612	(NA)	(NA)	2,620	(NA)	(NA)
Experimental	360	453	575	2,251	1,207	1,713
Other varieties ²	1,937	1,546	3,329	1,888	1,737	1,934
Total	40,880	42,269	43,783	2,006	1,754	1,932
United States³	56,544	58,641	60,872	1,981	1,770	1,900

See footnote(s) at end of table.

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**Hop Area Harvested, Yield, and Production by Variety – States and United States:
2019-2021 (continued)**

State and variety	Production		
	2019	2020	2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Washington			
Ahtanum™, YCR 1	736.0	490.8	367.0
Amarillo ^R , VGXP01	3,107.8	2,300.4	2,213.1
Apollo™	2,327.5	1,686.0	(D)
Azacca™, ADHA-483	1,437.7	1,102.5	1,393.6
Bravo™	759.0	463.9	656.6
Cascade	7,138.6	4,462.2	5,045.1
Cashmere	526.7	678.3	962.6
Centennial	5,516.4	4,008.2	3,135.1
Chinook	2,790.7	1,969.7	2,173.1
Citra ^R , HBC 394	9,569.3	12,426.2	13,850.3
Cluster	853.1	852.8	786.2
Columbus/Tomahawk ^R /Zeus ¹	6,002.6	10,507.9	12,013.1
Comet	275.3	287.8	630.0
Crystal	131.3	(D)	(D)
Ekuanot ^R , HBC 366	1,569.3	1,383.3	993.6
El Dorado ^R	1,302.5	1,603.9	2,088.0
Eureka!™	1,354.9	1,084.4	1,408.3
Galena	607.4	443.0	(D)
Idaho 7™	131.2	592.0	1,240.4
Jarrylo ^R , ADHA-881	(D)	24.3	(D)
Loral ^R , HBC 291	314.4	307.3	411.3
Mosaic ^R , HBC 369	5,810.8	7,422.6	8,926.9
Mt. Hood	55.0	54.7	(D)
Mt. Rainier	513.6	353.7	341.7
Nugget	240.6	(D)	(D)
Pahto™, HBC 682	5,057.4	4,458.0	5,206.8
Palisade ^R , YCR 4	1,202.0	520.0	621.4
Pekko ^R , ADHA-871	(D)	992.4	2,217.0
Sabro™, HBC 438	1,167.1	2,159.5	2,471.8
Simcoe ^R , YCR 14	6,020.2	5,280.6	5,221.1
Summit™	1,946.8	701.4	590.4
Super Galena™	1,358.0	1,252.1	1,367.5
Tahoma	450.3	281.1	409.3
Warrior ^R , YCR 5	(D)	472.3	286.7
Willamette	430.9	296.0	158.4
Zeus ¹	6,843.4	(D)	(NA)
Experimental	810.4	546.8	985.0
Other varieties ²	3,656.7	2,685.4	6,436.8
Total	82,014.9	74,151.5	84,608.2
United States³	112,041.2	103,810.3	115,630.9

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

(NA) Not available.

^R Registered

TM Trademark

¹ Beginning in 2020, Zeus is included in Columbus/Tomahawk^R /Zeus (C/T/Z).

² Includes data withheld to avoid disclosure of individual operations and varieties not listed.

³ Includes 772 acres of organic hops for 2021 with yield equal to 1488 pounds per acre and production at 1,148,869 pounds.

Statistical Methodology

Survey Procedures: Grower surveys are conducted in the three estimating States to collect acreage, production, and price data from growers.

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
Fleming Gibson, Head, Fruits, Vegetables and Special Crops Section.....	(202) 720-2127
Fleming Gibson – Blueberries, Cranberries, Cucumbers, Pistachios, Potatoes, Pumpkins, Raspberries, Squash, Strawberries, Sugarbeets, Sugarcane, Sweet Potatoes.....	(202) 720-2127
Robert Little – Apricots, Dry Beans, Lettuce, Macadamia, Maple Syrup, Nectarines, Pears, Snap Beans, Spinach, Tomatoes	(202) 720-3250
Deonne Holiday – Almonds, Apples, Asparagus, Carrots, Coffee, Onions, Plums, Prunes, Sweet Corn, Tobacco	(202) 720-4288
Krishna Rizal – Artichokes, Cauliflower, Celery, Garlic, Grapefruit, Hazelnuts, Kiwifruit, Lemons, Mandarins and tangerines, Mint, Mushrooms, Olives, Oranges,	(202) 720-5412
Chris Wallace – Avocados, Bell Peppers, Broccoli, Cabbage, Chickpeas, Chile Peppers, Dates, Floriculture, Grapes, Hops, Pecans	(202) 720-4215
Antonio Torres – Cantaloupes, Dry Edible Peas, Green Peas, Honeydews, Lentils, Papayas, Peaches, Sweet Cherries, Tart Cherries, Walnuts, Watermelons.....	(202) 720-2157

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