

Certified Organic Acreage and Sales in Washington State: 2009-2017

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http://csanr.wsu.edu/pages/Organic_Statistics or <http://tfrec.cahnrs.wsu.edu/organicag/organic-statistics/>

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Introduction and Approach

WSU's Center for Sustaining Agriculture and Natural Resources (CSANR) has compiled annual state organic statistics since 2004 to provide current, detailed information for use in farm and business planning, decision making, and risk management. This publication contains a series of tables with numerical data on organic farm number and acreage (2009-2017) and sales (2010-2017) based on certifier data. Earlier data, beginning in 2005, and graphical presentations of these data are available at http://csanr.wsu.edu/pages/Organic_Statistics.

The Washington State Department of Agriculture (WSDA) has historically been the primary certifier working in the state, certifying an estimated 90% or more of the state's annual organic acreage. Oregon Tilth Certified Organic (OTCO) and California Certified Organic Farmers (CCOF) have been the next two largest certifiers, typically covering 6–9% of the acreage. Acreage data from additional certifiers such as Quality Assurance International (QAI), Stellar Certification Services, International Certification Services (ICS), OneCert, and others, have been included as available.

The goal of the annual CSANR organic statistics reports is to provide timely, detailed, and accurate data to growers, businesses, policymakers, and other interested parties. The USDA's Economic Research Service (ERS) and National Agricultural Statistics Service (NASS) have also collected state and national information on organic crops when funding has been available; however, the earlier publications typically lagged some years behind the reported production year. The ERS data are based on certifier-reported values but have limited detail by individual crop. For example, apples are the only segregated temperate tree fruit crop (ERS 2013). NASS administered the 2008 Organic Production Survey (NASS 2010), the 2011 Certified Organic Production Survey (NASS 2013) the 2014 Organic Survey (NASS 2015), and the 2015 and 2016 Certified Organic Surveys (NASS 2016; 2017). The 2008 and 2014 Organic Production Surveys included both certified and exempt producers; data reported in this publication are for certified producers only. The NASS 2011, 2015 and 2016 surveys included only certified producers, but participation was voluntary. Values in the survey results sometimes differ considerably from those reported in this publication, as not all growers participate in the surveys, and not all data are collected in the same manner. For example, the NASS surveys mostly report harvested acres, while this report contains all reported certified acres with no information about harvest status. The CSANR data complement these other sources and add value as they are provided in a more timely manner each year (e.g., preliminary end-of-year data presented at fall and winter meetings so growers can use them in their production planning for the coming year) and at greater detail than the USDA sources. In addition, all data submitted from growers to USDA National Organic Program (NOP)-accredited certifiers are verified during farm inspections and audited for accuracy and completeness, whereas NASS data are not.

While the certifier data are expected to be the most accurate available, there are some inconsistencies. For example, certifier data collection methods vary and reporting forms have changed over time. Individual crops are not always entered into certifier databases in the same category each year, especially crops such as cover crops, forage, and seed crops.

Overview of Tables

The certified crop acreage numbers present a reliable picture of organic production in the state. The most recent year transition acres (land managed as organic that has not yet met the NOP 3-year period of no prohibited materials) are reported here where producers and certifiers opted to provide it. However, growers are not required to register transition acreage (as of 2002), and the reported transition numbers may underestimate the actual total. Historically, a large proportion of the reported transition acres have been tree fruit acres and other perennial crops. While likely under-reported, these numbers were still useful in predicting growth that occurred in the industry during the last decade. County acreage values are

considered estimates because site information from farms with sites in multiple counties has not always been segregated for the specific county. The newer WSDA database (beginning in 2016) links each site to the county it is in, improving accuracy.

The 2009-2017 values include data from WSDA, OTCO, CCOF, ICS, QAI and Stellar. Other certifiers were included as needed (e.g. OneCert, Agricultural Services Certified Organic). QAI and Stellar data are incomplete. In 2017, 4 farms were certified by Stellar and 17 poultry operations were certified by QAI. Whereas these farms were included in the farm count total, acreage values were available for just 3 of these operations. Acreage values were also not reported for a few WSDA-certified livestock operations (e.g. where number and size of layer facilities may be recorded instead).

Table 1 provides an overview of acreage of the major crop categories from 2009-2017. Forage, tree fruit, and vegetables have been the leading categories (see % of total column). Total certified area in the state peaked in 2009 and gradually declined each year from 2010 to 2014, while total acreage (including double crop) increased annually, from 2014 through 2017. Total area (certified site acreage) is distinguished from total acreage which includes double-cropped land, most common for peas and sweet corn in the Columbia Basin; total acreage may not include some parcels of undefined land such as very small areas of crops, non-cropped land, or, beginning in 2016, areas of “non-commercial” value (e.g. fallow, cover crops, natural areas). Hay fields harvested or grazed multiple times had area counted just once for acreage.

Table 2(a-f) provides details by individual crop, as reported to the certifier. Major varieties are segregated for apples, pears and grapes. Some producers report different classes of wheat (e.g., hard red, soft white) but typically do not report varieties. Diversified farms often report land as ‘Mixed Vegetables’ that cannot be segregated for individual vegetable crops.

Table 3 presents the number of farms (certified or transition only) and acres by county for 2017. The percent columns describe what portion of certified farm numbers and acres are within that county (given that sites are not always tied to actual county), and are ordered alphabetically first for counties east of the Cascades, and then for those west of the Cascades. This allows an examination of the organic sector in these two very different agroclimatic regions. Tables 4 and 5 simply track changes in certified farm number and acreage by county over time.

Tables 6a and 6b present farmgate sales as reported by WSDA and OTCO-certified producers; numbers typically do not include handler or processor income, but may include sales of some value-added products from the farm itself. An (nr) was inserted for counties where there were no reported values, or where necessary to protect confidentiality. There is temporal variability in the income period; growers can report on calendar, crop or fiscal year basis. Another source of variability is the crop or product marketing period. For example, an apple crop may be harvested in September and sold at various points over the next 10-12 months. Producers differ in the reporting period they choose to use, and thus value for a single apple crop could be split among two different reporting years.

Values in Tables 6a and 6b underestimate total Washington organic farmgate sales for various reasons: data from other certifiers (e.g. CCOF, QAI) are not included; data are not collected from WSDA- and OTCO-certified producers who do not recertify in the year following the sales period; and, some producer-processor operations do not segregate and report gross farmgate value, but instead report value-added totals not included in these tables. For example, a producer-processor winery may report the sales value of the wine, but not the value of the grapes. WSDA- and OTCO-certified producer farmgate data are not available for a few major producer-processor operations (e.g., eggs, broilers, wine grapes) and for

dairies representing about 10% of organic milkers in the state. Mushroom production of at least \$18 million is not included. Much of the missing data is for products from western Washington; thus the aggregate sales values for producers west of the Cascades is likely to be underestimated.

The 2016 Organic Survey by NASS (2017) reported gross farmgate sales in Washington of \$652 million, similar to the \$654 million reported by WSDA and OTCO producers for 2016. However, as referenced above, certifier farmgate value data are incomplete, and at the same time, participation in the NASS survey was 60% for Washington. Thus, since our data underestimate total sales due to the missing items above, and the NASS data underestimate total sales due to low survey participation, it is likely that the actual farmgate sales for 2017 again exceed our certifier-reported value of \$667 million. This value represents modest growth from the previous year, but substantially less growth than in the preceding years.

Dairy livestock numbers are found in Table 7. Organic dairies in the state expanded rapidly during the mid-2000s as demand for organic dairy products was rising. The number of certified dairies doubled from 23 in 2006, to 46 in 2008, then declined during the recession; organic dairy numbers appear to have recovered, with 50 certified in 2017. Despite regulatory changes and shortages of organic feed, organic cow numbers have also increased since 2010, and represented 3.5% of the state dairy herd in 2017.

The values reported here were compiled from data provided by multiple certifiers, based on farm certification records. This report covers acreage through calendar year 2017, and sales through the end of 2017, as reported by producers.

Further detailed organic statistical information compiled by WSU-CSANR is posted online at http://csanr.wsu.edu/pages/Organic_Statistics and at <http://tfrec.cahnrs.wsu.edu/organicag/organic-statistics/>

Tables

Table 1. Summary of certified organic acreage in Washington State, 2009-2017.

Category	Acres										Change (ac)	% of Total
	2009	2010	2011	2012	2013	2014	2015	2016	2017	T2017	C16-17	C2017
Forage	32,659	27,753	26,823	28,949	29,642	27,779	29,661	32,615	33,698	1,685	1,083	29.2
Tree Fruit	21,862	20,662	19,592	18,855	19,139	19,228	19,685	21,771	28,624	5,827	6,853	24.8
Vegetables	15,668	13,263	15,191	15,585	16,326	19,945	21,474	24,639	24,282	974	-357	21.1
Grains, Dry Beans, Oilseeds	13,084	14,540	10,991	9,867	8,530	11,253	12,760	19,114	14,332	992	-4,782	12.4
Small Fruit & Nuts	3,392	3,707	4,276	4,176	4,214	4,245	4,165	4,762	4,643	895	-119	4.0
Herbs	1,190	1,358	1,565	1,585	1,407	1,133	1,203	1,342	1,261	--	-81	1.1
Other Crops	811	986	982	1,437	2,009	1,192	2,333	569	650	4	81	0.6
Fallow	15,303	15,769	7,697	6,751	4,111	3,072	3,509	66	71	30	5	0.1
Other Land	1,226	1,027	732	534	511	1,007	845	782	927	3	145	0.8
Undefined Area	3,141	2,868	2,259	1,522	922	674	143	8,291	6,775	433	-1,516	5.9
Total Acres (with double crop)	108,336	101,933	90,108	89,261	86,811	89,528	95,778	113,951	115,263	10,843	1,312	100%
Total Area	104,962	100,553	89,186	88,072	84,868	84,848	91,088	107,003	110,043	10,848	3,029	--
Annual % Change (area)	13	-4	-11	-1	-3.6	-.02	7.4	17.5	2.8	--	--	--
No. of Producers	753-10	735-5	729-2	731-3	712-4	700-7	724-22	797-34	892	29	--	--
<p>Combined certifier information; T=Transition to organic acres; may include pending acres. Vegetable category includes melons. 2017 certified acreage totals include 5,083 ac double crop; transition includes 142 double crop ac. Total 2017 certified site area is 110,043 ac including 6,775 ac undefined land (either not cropped or from multiple small cropped sites). The numbers of producers in red font are farms in transition to organic with no certified organic land. Beginning in 2016, the WSDA database typically did not include fallow, cover crops, and some smaller crop acreages, resulting in the increased undefined land value. 2017 tree fruit acres pending certification were included as organic; pending acreage for crops other than tree fruit was included under transition.</p>												

Table 2a. Certified organic acres in Washington State by specific crop, 2009-2017: Forage.

	Acres									
Forage	2009	2010	2011	2012	2013	2014	2015	2016	2017	T2017
Hay*	18,532	17,022	18,459	19,235	19,288	18,436	18,838	22,379	23,993	1,685
<i>Alfalfa</i>	4,628	2,888	2,626	2,504	2,046	2,095	3,175	3,688	3,892	888
<i>Mixed (Alfalfa-Grass)</i>	1,731	1,401	1,286	779	190	225	484	472	429	--
<i>Grass and Mixed Grass</i>	4,316	5,127	5,358	4,739	4,890	7,549	8,810	15,684	16,182	751
<i>Small Grain</i>	449	386	529	190	110	243	269	959	1,483	46
<i>Unspecified</i>	7,408	7,220	8,660	11,023	12,052	8,324	6,100	1,576	2,007	--
Corn Silage	1,020	459	490	664	858	767	1,027	998	1,567	--
Pasture	13,085	10,271	7,874	9,049	9,308	8,576	9,796	9,219	8,138	--
Forage, Unspecified	22	--	--	--	188	--	--	19	--	--
Total Forage	32,659	27,752	26,823	28,949	29,642	27,779	29,661	32,615	33,698	1,685

T=Transition to organic; may include pending acres. Hay acreage includes ground with any cut hay (e.g., haylage, silage); acres were counted only once. Typically 30% or more of hay ground acres were reported as also used as pasture but acres were counted only once.

Table 2b. Certified organic acres in Washington State by specific crop, 2009-2017: Grains, dry beans, and oilseeds.

Grains, Dry Beans & Oilseeds	Acres									
	2009	2010	2011	2012	2013	2014	2015	2016	2017	T2017
Grains										
Barley	231	151	783	788	962	673	859	682	596	136
Buckwheat*	--	21	3	--	--	--	33	56	16	125
Corn	2,796	2,672	1,648	1,707	1,531	1,506	1,635	2,283	1,754	129
Oat	74	41	162	70	147	1,665	138	92	64	--
Quinoa*	--	--	--	--	--	--	--	--	18	
Rye	131	206	35	4	4	9	55	1	17	--
Teff	--	50	--	--	--	--	--	--	--	--
Triticale	705	1,137	940	629	772	734	417	582	181	587
Wheat	7,791	6,526	5,785	5,189	3,929	4,721	7,915	12,056	8,806	--
<i>Wheat, Hard Red</i>	803	1,686	1,140	959	1,260	798	1,658	7,094	5,856	--
<i>Wheat, Soft White</i>	561	447	100	63	273	654	566	247	213	--
<i>Other & Unspecified</i>	5,524	3,210	3,522	3,576	1,630	2,702	5,013	4,260	2,287	--
<i>Spelt</i>	747	1,013	935	481	539	244	453	296	231	--
<i>Emmer</i>	156	170	88	99	142	204	99	82	146	--
<i>Einkorn</i>	--	--	--	11	85	119	126	77	73	--
Other & Unspecified	39	145	87	192	160	349	215	115	276	--
Total Grains	11,767	10,949	9,443	8,579	7,505	9,657	11,257	15,867	11,728	977
Pulse/Dry Beans										
Lentil	--	--	--	--	--	--	--	84	--	--
Pea	167	252	58	189	76	465	113	--	--	--
Black Bean	--	865	13	--	23	59	31	244	273	--
Chickpea	--	--	--	--	--	4	--	71	273	--
Fava Bean (See Veg)**	1	1	1	--	--	6	--	5	10	15
Lima Bean (See Veg)**	--	--	--	--	--	--	2	--	235	--
Pinto Bean	170	505	130	588	542	901	588	422	946	--
White kidney Bean	19	15	24	--	--	4	--	--	--	--
Other & Unspecified	933	1,823	1,320	510	276	95	535	2,421	860	--
Total Pulse/Dry Bean	1,290	3,461	1,546	1,287	917	1,534	1,269	3,247	2,597	15
Oilseeds										
Camelina	8	2	--	1	3	51	99	--	5	--
Canola	--	--	--	--	105	--	--	--	2	--
Flaxseed	--	90	1	--	--	--	--	--	--	--
Mustard	--	4	--	--	--	--	125	--	--	--
Sunflower	--	--	--	--	--	--	--	--	--	--
Total Oilseeds	8	96	1	1	108	51	224	--	7	--
Mixed Grain & Pulse	19	34	1	--	--	11	--	--	--	--

*Seed crop (not technically a grain)

** Prior to 2016 Lima bean was included in Vegetable category and Fava bean was included as either Vegetable or Dry Bean

Table 2c. Certified organic acres in Washington State by specific crop, 2009-2017: Vegetables.

Vegetable	Acres									
	2009	2010	2011	2012	2013	2014	2015	2016	2017	T2017
Assorted										
Asparagus	84	83	135	159	157	167	125	163	249	86
Eggplant	6	6	12	16	9	8	13	6	15	--
Mixed Vegetable & Other	1,084	1,104	1,251	1,851	1,546	1,096	948	935	954	4
Pea	3,256	3,636	3,241	3,975	4,259	4,776	4,236	5,276	6,466	17
Peppers	41	32	29	37	44	42	65	90	103	--
Rhubarb	9	9	14	32	32	36	32	40	47	3
Salad Greens	96	83	86	83	109	148	116	193	326	--
<i>Lettuce</i>	42	37	35	42	45	54	46	42	29	--
<i>Spinach</i>	10	15	15	10	25	55	59	143	186	--
<i>Other, Mixed</i>	44	31	36	31	39	39	11	8	111	--
Sweet corn	5,528	4,462	6,091	5,178	4,768	7,330	7,869	9,301	9,059	577
Tomato	38	39	36	50	31	37	29	26	39	--
Allium										
Garlic	35	17	50	34	48	39	43	54	69	--
Leek	103	135	172	163	148	146	124	103	105	--
Onion	653	408	499	480	664	783	941	1,274	1,234	--
Other & Unspecified	13	16	9	13	18	14	33	32	10	--
Bean										
Green, Snap	2,107	1,169	1,602	1,247	1,505	1,788	2,451	1,339	748	--
Edamame, Shell	--	--	5	--	--	--	--	--	--	--
Fava, Shell (See Pulse)	--	1	1	4	--	9	5	--	***	--
Lima, Shell (See Pulse)	183	215	48	62	268	240	109	***	***	--
Brassica										
Broccoli	32	21	20	10	36	32	156	184	205	--
Brussels Sprout	--	--	--	4	3	1	32	19	8	--
Cabbage	29	35	30	23	16	23	34	40	40	--
Cauliflower	8	8	4	7	8	5.5	4	4	48	--
Chard	--	--	--	10	6	8	21	21	21	--
Kale	15	14	12	11	14	20	49	48	99	--
Other & Unspecified	9	17	6	2	46	17	11	6	9	--
Cucurbit										
Cucumber	79	85	69	65	61	69	82	88	135	20
Melons, Mixed	53	35	36	37	41	40	51	46	70	--
Watermelon	34	120	39	52	9	56	121	121	111	--
Pumpkin	37	60	77	22	34	31	25	97	383	--
Squash, Mixed	170	152	261	312	373	340	576	927	646	11
Root and Tuber										
Beet	38	46	29	103	100	216	253	421	125	--
Carrot	217	215	273	280	240	522	571	973	965	--
Parsnip	2	3	1	4	9	7	7	9	12	--
Potato	1,697	1,032	1,044	1,253	1,717	1,895	2,333	2,741	1,920	256
Seed Potato	4	--	2	2	2	--	--	--	--	--
Radish	4	4	4	2	3	1	4	4	3	--
Turnip	4	2	3	1	1	2	2	--	--	--
Other & Unspecified	--	--	--	1	1	--	3	58	58	--
Total Vegetables	15,668	12,095	15,191	15,585	16,326	19,945	21,474	24,639	24,282	974
***See Dry Bean										

Table 2d. Certified organic acres in Washington State by specific crop, 2009-2017: Tree fruit.

Tree Fruit	Acres									
	2009	2010	2011	2012	2013	2014	2015	2016	2017	T2017
Apple										
Gala	3,458	3,201	3,332	3,207	3,264	3,333	3,437	4,159	5,832	985
Fuji	3,045	3,366	3,472	3,449	3,354	3,235	3,271	3,689	4,514	929
Honeycrisp	879	1,099	1,087	1,158	1,587	1,727	1,804	2,034	3,231	1,541
Red Delicious	1,630	1,461	1,380	1,337	1,375	1,344	1,303	1,383	1,669	220
Granny Smith	1,700	1,470	1,364	1,274	1,258	1,223	1,263	1,394	2,171	369
Golden Delicious	1,480	988	900	768	739	798	797	823	1,331	142
Gold/Yellow type, other	77	70	88	128	157	146	151	156	158	124
Cripps Pink	1,081	1,016	952	828	841	897	888	989	1,303	205
Braeburn	1,083	884	551	479	443	315	268	269	305	5
Cameo®	436	458	552	399	319	322	292	298	281	--
Other & Unspecified	866	777	618	630	693	712	809	997	1,321	724
Total Apple	15,735	14,790	14,296	13,657	14,030	14,052	14,283	16,191	22,116	5,244
Pear										
Bartlett	656	692	629	627	631	596	643	715	917	119
D'Anjou	616	636	614	618	564	586	646	706	846	161
Bosc	276	301	282	322	310	315	350	380	490	33
Red D'Anjou	83	95	94	93	79	100	125	139	171	26
Red Bartlett	88	69	55	40	39	41	56	65	70	2
Concorde	43	31	31	34	34	38	44	49	58	1
Asian	44	43	33	34	29	18	28	27	26	--
Other & Unspecified	158	166	179	132	134	149	158	162	185	1
Total Pear	1,964	2,033	1,917	1,900	1,820	1,843	2,050	2,243	2,763	343
Stone Fruit										
Apricot	265	299	296	266	285	299	260	251	216	10
Cherry	2,437	2,147	1,827	1,792	1,850	1,939	2,056	2,078	2,546	216
Nectarine	472	550	528	488	464	440	395	379	357	7
Peach	644	701	619	618	594	580	553	553	580	1
Plum/Prune/Pluot	130	125	92	89	64	58	56	75	45	6
Other & Unspecified	151	13	17	45	22	17	32	--	--	--
Total Stone Fruit	4,099	3,835	3,379	3,298	3,279	3,333	3,352	3,336	3,744	240
Mixed Tree Fruit	64	4	--	--	10	--	--	1	1	--

Table 2e. Certified organic acres in Washington State by specific crop, 2009-2017: Small fruit and nuts.

Small Fruit and Nuts	Acres									
	2009	2010	2011	2012	2013	2014	2015	2016	2017	T2017
Berry										
Blackberry	71	105	137	102	73	73	67	68	61	46
Blueberry	599	903	1,258	1,379	1,447	1,540	1,705	2,364	2,167	514
Cranberry	--	--	--	--	10	10	10	20	18	--
Raspberry	143	161	180	178	106	61	57	106	93	20
Strawberry	38	35	44	87	69	96	97	109	108	15
Other & Unspecified	22	14	30	34	30	25	34	43	107	--
Total Berry	873	1,218	1,649	1,780	1,735	1,805	1,970	2,710	2,554	595
Grape, Juice										
Concord	--	--	1,467	1,467	1,468	1,379	1,223	1,121	1,151	244
Niagara	--	--	49	53	53	53	68	68	64	16
Total Juice Grape	1,475	1,581	1,516	1,520	1,521	1,432	1,291	1,189	1,215	260
Grape, Wine										
Cabernet Sauvignon	--	--	166	159	179	326	245	244	249	33
Merlot	--	--	170	70	70	99	107	129	131	--
Syrah	--	--	65	55	107	122	112	131	131	--
Red, Other	--	--	51	52	46	37	36	37	38	--
Riesling	--	--	358	229	257	134	209	124	124	--
Chardonnay	--	--	174	174	165	165	83	81	83	--
Gewurztraminer	--	--	18	18	18	18	16	16	16	--
White, Other	--	--	59	48	46	51	53	55	55	1
Wine, Unspecified	--	--	5	33	28	26	12	9	12	--
Total Wine grape	969	868	1,066	838	916	978	873	826	839	--
Grape, Table & Mixed	18	14	17	7	10	6	9	7	10	--
Total Grape	2,462	2,463	2,599	2,365	2,447	2,416	2,173	2,022	2,064	294
Other Fruit										
Other	--	--	--	--	--	--	--	9	2	--
Kiwi	2	7	2	2	2	2	1	1	2	6
Nut										
Almond	5	5	9	12	12	4	4	4	4	--
Chestnut	2	3	3	3	3	3	3	3	4	--
Filbert/Hazelnut	39	2	4	4	4	4	3	5	5	--
Walnut	6	6	6	7	8	8	8	8	8	--
Other & Unspecified	3	3	4	3	3	3	3	--	--	--
Total Nut	55	19	26	29	30	22	21	20	21	--

Table 2f. Certified organic acres in Washington State by specific crop, 2009-2017: Herbs, other crops, and other land.

Herbs, Other Crops & Other Land	Acres									
	2009	2010	2011	2012	2013	2014	2015	2016	2017	T2017
Herbs										
Medicinal	568	487	626	718	547	586	606	697	796	--
Mint	182	193	258	240	214	250	299	306	201	--
Culinary	128	165	194	95	138	213	230	247	173	--
Mixed	275	474	453	492	474	48	30	53	51	--
Lavender	37	39	34	40	34	36	38	39	40	--
Total Herbs	1,190	1,358	1,565	1,585	1,407	1,133	1,203	1,342	1,261	--
Other Crops										
Flowers, Cut or Edible	17	16	9	9	10	9	11	25	18	--
Cover Crop	218	361	157	369	577	303	1,712	4	75	--
Hemp (industrial)	--	--	--	--	--	--	--	--	70	--
Hops	65	66	58	156	203	190	210	214	222	--
Mushrooms*	1	<1	<1	<1	1	1	2	3	3	4
Seed Crops	88	139	353	391	463	266	102	197	219	--
<i>Beet</i>	20	50	25	62	40	35	35	22	22	--
<i>Carrot</i>	--	60	158	138	120	64	--	77	114	--
<i>Onion</i>	--	--	3	1	--	118	--	--	--	--
<i>Pumpkin</i>	--	--	--	--	--	--	--	11	--	--
<i>Spinach</i>	22	1	--	--	10	21	--	1	1	--
<i>Mixed/Other Vegetable</i>	46	20	5	23	23	25	27	14	9	--
<i>Grass</i>	--	--	158	148	144	--	--	71	70	--
<i>Other Seed</i>	--	8	4	19	126	3	40	1	3	--
Greenhouse/Nursery	3	6	15.4	12	15	16	104	121	20	--
Mixed Horticulture	12	10	14	16	5	50	9	5	23	--
Wild craft	362	375	375	403	360	282	90	--	--	--
Other & Unspecified	45	12	--	80	375	75	93	--	--	--
Total Other Crops	811	986	982	1,437	2,009	1,192	2,333	569	650	4
Other Land										
Fallow/Summer Fallow	15,303	14,256	7,697	6,751	4,111	3,072	3,309	66	71	30
CRP, CREP land	--	1,512	--	--	--	200	200	--	--	--
Timber/Woods	931	864	524	478	510	737	768	780	925	3
Other & Unspecified	295	164	208	56	1	70	77	2	2	--
Undefined Acreage	3,141	2,868	2,259	1,522	922	674	143	8,292	6,775	433
Total Other Land	19,670	19,664	10,688	8,807	5,544	4,753	4,497	9,139	7,773	433

*Certified mushrooms are produced in WA but individual farm production areas can be small and not entered in database.

Table 3. Number of certified organic producer operations and area in Washington State by county, 2017.

County	Number of organic producers ¹			Area (acres) ²		Percent by County	
	C _P	C _S	T Only	C	T	C Farms	C Area
Adams	21	9	2	6,000	525	2.4	5.5
Asotin	--	--	--	--	--	--	--
Benton	25	2	1	7,697	1,567	2.8	7.0
Chelan	52	5	1	1,919	50	5.8	1.7
Columbia	--	--	--	--	--	--	--
Douglas	35	1	1	2,719	403	3.9	2.5
Ferry	1	--	--	2	--	0.1	0.0
Franklin	37	4	2	4,995	1,433	4.1	4.5
Garfield	--	--	--	--	--	--	--
Grant	118	8	5	32,358	3,933	13.2	29.4
Kittitas	3	1	--	1,011	--	0.3	0.9
Klickitat	22	1	--	2,756	48	2.5	2.5
Lincoln	4	3	--	1,540	190	0.4	1.4
Okanogan	84	1	4	4,671	561	9.4	4.2
Pend Oreille	--	--	--	--	--	--	--
Spokane	9	1	--	589	--	1.0	0.5
Stevens	24	--	--	2,328	--	2.7	2.1
Walla Walla	13	1	--	2,457	141	1.5	2.2
Whitman	3	--	--	333	--	0.3	0.3
Yakima	104	3	9	6,850	940	11.7	6.2
East of Cascades	555	(40)	25	78,225	9791	62.2	71.1
Clallam	12	--	--	795	--	1.3	0.7
Clark	13	--	1	324	28	1.5	0.3
Cowlitz	1	--	--	1	1	0.1	0.0
Grays Harbor	4	2	1	1,150	42	0.4	1.0
Island	12	--	--	353	--	1.3	0.3
Jefferson	14	1	--	1,059	--	1.6	1.0
King	39	2	--	3,272	21	4.4	3.0
Kitsap	8	--	--	82	5	0.9	0.1
Lewis	35	1	--	6,608	459	3.9	6.0
Mason	4	--	--	368	--	0.4	0.3
Pacific	4	1	--	349	--	0.4	0.3
Pierce	18	1	1	1,739	20	2.0	1.6
San Juan	7	--	--	210	--	0.8	0.2
Skagit	65	3	--	7,917	434	7.3	7.2
Skamania	2	--	--	74	1	0.2	0.1
Snohomish	27	2	1	1,954	42	3.0	1.8
Thurston	30	1	--	2,691	--	3.4	2.4
Wahkiakum	2	--	--	696	--	0.2	0.6
Whatcom	40	--	--	2,176	4	4.5	2.0
West of Cascades	337	(14)	4	31,818	1,057	37.8	28.9
State Total	892	(54)	29	110,043	10,848	100	100

¹C = Certified organic and T= Transition to organic. Combined certifier data. C farms had certified organic acres but could also include transition land. T only farms had land in transition to organic but no certified organic acres. "C_P" indicates a producer's primary county. "C_S" indicates the number of producers that have certified land in a given second or multiple counties but are already counted in another county as their primary location (C_P).
² Acre values were based on total site area and did not include double crop acres.

Table 4. Number of certified organic producer operations in Washington State by county: 2009-2017.

County	Number of organic producers								
	2009	2010	2011	2012	2013	2014	2015	2016	P (S) 2017 ¹
Adams	10	10	9	9	12	10	10	22	21 (9)
Asotin	1	1	1	1	1	--	--	--	-- --
Benton	28	30	27	26	25	27	26	24	25 (2)
Chelan	51	50	51	44	40	42	44	45	52 (5)
Columbia	--	--	--	--	--	--	--	--	-- --
Douglas	29	28	28	28	28	29	29	31	35 (1)
Ferry	--	--	1	1	2	1	1	1	1 --
Franklin	31	32	31	31	29	29	31	33	37 (4)
Garfield	1	--	--	--	--	--	--	--	-- --
Grant	88	91	87	87	83	85	90	98	118 (8)
Kittitas	4	3	5	6	4	3	3	3	3 (1)
Klickitat	17	18	19	21	17	17	17	18	22 (1)
Lincoln	6	5	4	4	3	3	3	3	4 (3)
Okanogan	61	58	57	61	67	63	66	70	84 (1)
Pend Oreille	--	--	--	--	--	--	--	--	-- --
Spokane	5	5	10	12	10	8	10	9	9 (1)
Stevens	23	21	21	21	22	22	24	25	24 --
Walla Walla	9	9	12	13	13	13	12	13	13 (1)
Whitman	8	7	6	5	4	3	3	4	3 --
Yakima	109	103	94	94	91	92	88	90	104 (3)
East of Cascades	481	471	463	464	451	447	457	489	555 (40)
Clallam	11	11	12	13	13	12	12	13	12 --
Clark	15	15	14	15	15	15	14	13	13 --
Cowlitz	2	2	2	2	1	1	--	--	1 --
Grays Harbor	6	6	7	7	6	5	5	5	4 (2)
Island	7	9	11	9	8	9	9	11	12 --
Jefferson	12	13	13	11	10	10	13	14	14 (1)
King	26	24	22	26	23	22	24	34	39 (2)
Kitsap	7	7	7	7	7	7	6	8	8 --
Lewis	25	25	25	26	26	25	30	33	35 (1)
Mason	2	2	3	3	3	2	2	2	4 --
Pacific	4	1	1	1	1	1	1	4	4 (1)
Pierce	9	10	11	13	15	16	15	18	18 (1)
San Juan	11	11	10	11	8	6	8	8	7 --
Skagit	43	44	44	43	43	40	45	55	65 (3)
Skamania	5	2	2	2	3	2	2	3	2 --
Snohomish	21	21	21	17	20	23	18	23	27 (2)
Thurston	23	24	25	25	23	22	27	26	30 (1)
Wahkiakum	3	3	2	3	3	3	2	2	2 --
Whatcom	40	34	34	33	33	32	34	36	40 --
West of Cascades	272	264	266	267	261	253	267	308	337 (14)
State Total	753	735	729	731	712	700	724	797	892 (54)

¹"P" indicates a certified producer's primary county. "S" indicates the number of producers that have additional certified land in a given second or multiple counties and are already counted in their primary county (P). Combined certifier data.

Table 5. Certified organic area in Washington State by county: 2009-2017.

County	Area (acres) ¹									
	2009	2010	2011	2012	2013	2014	2015	2016	2017	±16-17
Adams	4,217	5,914	2,506	2,483	3,258	2,688	2,745	4,933	6,000	1,067
Asotin	800	800	800	800	800	--	--	--	--	--
Benton	13,033	9,202	8,699	7,805	5,975	6,385	6,868	6,819	7,697	878
Chelan	2,504	2,012	2,207	1,763	1,639	1,687	1,715	1,633	1,919	286
Columbia	--	--	--	--	--	--	--	--	--	--
Douglas	5,688	4,202	2,200	2,368	2,289	2,238	2,056	2,492	2,719	227
Ferry	--	--	4	4	5	2	2	2	2	0
Franklin	3,749	3,573	3,320	3,247	3,045	3,240	3,593	5,511	4,995	-516
Garfield	328	--	--	--	--	--	--	--	--	--
Grant	20,859	23,796	23,360	21,996	19,509	21,677	24,767	31,255	32,358	1,103
Kittitas	124	133	219	199	1,012	1,013	975	1,098	1,011	-87
Klickitat	3,032	3,359	4,071	3,419	3,052	2,524	2,799	2,780	2,756	-24
Lincoln	7,876	7,748	1,961	2,433	1,588	1,652	1,387	1,360	1,540	180
Okanogan	4,000	4,055	3,926	3,710	3,827	3,823	4,103	4,431	4,671	240
Pend Oreille	--	--	--	--	--	--	--	--	--	--
Spokane	95	87	85	975	932	921	1,204	497	589	92
Stevens	2,225	2,176	2,117	2,103	2,559	2,569	2,416	2,449	2,328	-121
Walla Walla	1,649	1,793	2,328	2,240	2,278	2,243	2,120	2,388	2,457	69
Whitman	165	75	64	64	59	46	116	413	333	-80
Yakima	8,012	6,263	5,419	5,663	5,093	4,922	5,134	5,460	6,850	1,390
East of Cascades	78,356	75,188	63,286	61,272	56,920	57,630	62,000	73,521	78,225	4,704
Clallam	420	458	455	448	448	779	748	1,423	795	-628
Clark	455	651	771	498	560	441	384	381	324	-57
Cowlitz	20	20	20	20	1	30	--	--	1	1
Grays Harbor	1,263	1,417	1,316	1,465	1,390	673	677	1,298	1,150	-148
Island	275	288	291	294	258	284	342	380	353	-27
Jefferson	961	824	810	756	819	876	841	1,385	1,059	-326
King	3,117	2,940	2,959	3,321	3,306	3,062	3,456	3,567	3,272	-295
Kitsap	113	111	111	127	127	118	112	113	82	-31
Lewis	4,357	4,585	4,271	4,233	4,362	4,213	5,405	6,336	6,608	272
Mason	21	21	22	44	44	40	39	39	368	-329
Pacific	500	10	10	10	10	10	10	351	349	-2
Pierce	899	1,111	1,148	1,539	1,738	1,726	1,379	1,492	1,739	247
San Juan	421	396	371	304	192	142	178	323	210	-113
Skagit	5,820	5,579	5,627	6,015	6,107	6,135	6,737	7,844	7,917	73
Skamania	121	79	80	68	98	94	100	103	74	-29
Snohomish	1,417	755	1,235	1,102	1,156	1,243	1,164	2,255	1,954	-301
Thurston	2,367	2,451	2,694	2,553	2,658	1,990	2,287	2,840	2,691	-149
Wahkiakum	738	737	671	745	745	768	674	674	696	-22
Whatcom	3,321	2,932	3,038	3,258	3,929	4,594	4,555	2,678	2,176	-502
West of Cascades	26,606	25,365	25,900	26,800	27,948	27,218	29,088	33,482	31,818	-1,664
State Total	104,962	100,553	89,186	88,072	84,868	84,848	91,088	107,003	110,043	3,040

¹Values were based on total site area and do not include identified double crop acres. Combined certifier data.

Table 6a. Estimated gross farmgate sales of certified organic crop and animal products: Eastern Washington (WSDA and OTCO only).

Eastern Washington Farmgate Value (\$)											
County	2009	2010	2011	2012	2013	2014	2015	2016	2017	% Sales	%± 16-17
Adams	4,712,747	4,450,809	6,075,215	13,039,630	13,313,041	12,237,781	32,515,731	50,926,323	56,835,628	8.3	12
Asotin	(nr)	(nr)	(nr)	(nr)	(nr)	(nr)	(nr)	(nr)	(nr)	--	--
Benton	21,900,016	22,011,629	25,818,613	36,513,778	44,566,971	51,934,544	54,169,833	65,915,532	60,236,433	8.8	-9
Chelan	18,587,414	16,000,636	13,620,303	15,377,146	20,522,420	19,403,047	45,572,503	27,492,101	32,914,048	4.8	20
Columbia	(nr)	(nr)	(nr)	(nr)	(nr)	(nr)	(nr)	(nr)	(nr)	--	--
Douglas	5,344,886	8,110,563	13,898,375	16,441,609	20,771,365	23,836,107	16,173,092	21,554,252	24,474,674	3.6	14
Ferry	(nr)	(nr)	(nr)	(nr)	(nr)	(nr)	(nr)	(nr)	(nr)	--	--
Franklin	10,812,398	13,188,205	18,033,263	23,394,676	24,047,190	34,933,381	39,615,754	45,822,451	45,492,186	6.7	-1
Garfield	(nr)	(nr)	(nr)	(nr)	(nr)	(nr)	(nr)	(nr)	(nr)	--	--
Grant	52,924,663	64,005,943	87,771,761	106,772,592	144,063,298	180,029,662	166,638,444	194,464,866	180,936,426	26.5	-7
Kittitas	41,584	169,558	83,265	95,997	172,101	171,147	40,000	95,828	(nr)	--	--
Klickitat	5,792,017	6,645,054	8,411,142	6,475,147	5,876,317	9,038,215	9,724,736	12,893,039	8,344,258	1.2	-35
Lincoln	297,440	367,120	446,298	175,300	253,142	365,647	926,934	(nr)	(nr)	--	--
Okanogan	12,078,319	10,664,717	14,209,137	17,897,348	23,323,109	25,940,190	50,130,456	50,435,371	52,180,866	7.7	3
Pend Oreille	(nr)	(nr)	(nr)	(nr)	(nr)	(nr)	(nr)	(nr)	(nr)	--	--
Spokane	72,306	126,430	157,213	176,592	162,360	262,662	178,107	268,009	104,078	<0.1	-61
Stevens	390,822	468,898	503,562	644,607	726,703	1,064,080	1,043,014	1,098,371	1,066,532	0.2	-3
Walla Walla	10,483,575	20,011,407	22,049,205	27,734,332	35,317,450	33,439,506	46,465,975	53,761,052	50,030,652	7.3	-7
Whitman	70,512	100,056	111,032	99,039	108,186	95,980	192,197	98,974	214,028	<0.1	116
Yakima	21,119,600	19,051,245	23,433,582	31,226,646	40,936,693	41,310,523	55,906,334	51,774,244	71,561,232	10.5	38
East of Cascades	164,634,092	185,408,918	234,625,546	296,070,971	374,178,890	434,081,017	519,300,933	576,714,611	586,302,583	88	2
West of Cascades	46,070,879	52,305,399	49,827,602	59,469,172	61,327,505	62,385,889	72,818,671	78,110,420	80,931,640	12	3
State Total	210,704,971	237,714,317	284,453,148	355,540,144	435,506,395	496,466,906	592,119,604	654,285,031	667,134,223	100	2

Percentage of sales is based on most recent year. An (nr) is used to indicate that either: no sales were reported in that county; or no value was reported in table to protect confidentiality. East, West and State totals include any reported but not disclosed (nr) values.
 Values do not include income from producers who may report all sales as processors (e.g. Does not include some large egg or broiler producer/processors)
 2016 values revised 6/21/18.

Table 6b. Estimated gross farmgate sales of certified organic crop and animal products: Western Washington (WSDA and OTCO only).

County	Western Washington Farmgate Value (\$)										
	2009	2010	2011	2012	2013	2014	2015	2016	2017	% Sales	% ± 16-17
Clallam	1,233,943	1,299,608	1,560,370	1,314,326	1,337,777	1,414,615	1,403,730	1,629,633	(nr)	--	--
Clark	1,632,818	1,541,910	1,831,544	1,504,563	1,231,430	1,001,903	1,410,217	1,326,056	1,616,377	0.2	22
Cowlitz	(nr)	(nr)	(nr)	(nr)	(nr)	(nr)	(nr)	(nr)	(nr)	--	--
Grays Harbor	1,806,137	1,402,045	1,327,370	1,404,447	967,374	948,191	1,604,076	1,912,584	1,705,298	0.3	-11
Island	112,993	247,466	189,899	236,847	167,446	295,906	283,042	392,970	508,175	0.1	29
Jefferson	1,125,011	1,163,653	1,370,432	1,530,297	1,714,805	1,943,652	3,780,520	2,315,161	2,278,607	0.3	-2
King	5,412,335	7,631,333	8,871,133	6,970,329	6,392,332	5,349,739	6,273,249	9,363,848	9,844,281	1.4	5
Kitsap	262,028	332,138	362,990	365,997	503,220	643,018	725,065	810,057	654,433	0.1	-19
Lewis	5,613,327	5,787,645	6,082,515	6,781,391	7,259,315	8,899,534	9,813,156	10,883,286	11,023,030	1.6	1
Mason	(nr)	332,323	3,930,876	5,143,980	(nr)	(nr)	(nr)	(nr)	(nr)	--	--
Pacific	(nr)	(nr)	(nr)	(nr)	(nr)	(nr)	(nr)	(nr)	(nr)	--	--
Pierce	1,912,661	1,502,865	1,983,393	2,307,708	2,303,301	2,426,558	2,404,978	2,915,454	2,750,710	0.4	-6
San Juan	111,021	90,628	141,693	64,084	68,177	73,491	46,296	86,954	8,559	<0.1	-90
Skagit	12,011,836	13,177,534	11,520,913	14,238,853	16,080,706	16,749,949	20,929,398	23,211,291	26,931,945	3.9	16
Skamania	(nr)	(nr)	(nr)	(nr)	(nr)	(nr)	(nr)	(nr)	(nr)	--	--
Snohomish	2,227,662	2,051,332	2,274,943	3,102,352	3,114,504	3,239,818	3,021,221	6,310,525	5,222,535	0.8	-17
Thurston	6,353,482	6,281,221	2,334,335	7,288,107	3,341,268	9,314,688	9,319,670	9,735,826	9,568,621	1.4	-2
Wahkiakum	694,973	(nr)	760,876	(825972)	(875553)	(904200)	(nr)	(nr)	(nr)	--	--
Whatcom	5,288,494	5,218,145	5,047,268	6,048,047	7,516,742	8,593,461	10,644,037	5,466,540	5,413,539	0.8	-1
East of Cascades	164,634,092	185,408,918	234,625,546	296,070,971	374,178,890	434,081,017	519,300,933	576,714,611	586,302,583	88	2
West of Cascades	46,070,879	52,305,399	49,827,602	59,469,172	61,327,505	62,385,889	72,818,671	78,110,420	80,931,640	12	3
State Total	210,704,971	237,714,317	284,453,148	355,540,144	435,506,395	496,466,906	592,119,604	654,825,031	667,134,223	100	2

Percentage of sales is based on most recent year. An (nr) is used to indicate that either: no sales were reported in that county; or no value was reported in table to protect confidentiality. East, West and State totals include any reported but not disclosed (nr) values.
 Values do not include income from producers who may report all sales as processors (e.g. Does not include some large egg or broiler producer/processors)
 2016 values revised 6/21/18.

Table 7. Certified organic dairy producer and livestock numbers in Washington State, 2006-2017.

	Number certified								
	2006	2008	2010	2012	2013	2014	2015	2016	2017
Organic dairies	23	46	34	34	36	38	39	45	50
Milkers and dry cows	2,970	9,022	5,898	6,311	7,095	7,505	8,290	9,012	9,707
Calves & replacement heifers	2,180	7,022	4,154	4,922	4,302	5,514	5,308	6,033	6,469
Total	5,150	16,044	10,052	11,233	11,397	13,091	13,598	15,045	16,176

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The USDA-NASS organic surveys can be accessed online at

https://www.nass.usda.gov/Surveys/Guide_to_NASS_Surveys/Organic_Production/index.php