



# CERTIFIED ORGANIC ACREAGE AND SALES IN WASHINGTON STATE: 2007-2015

Trends in Washington Organic Crop Production Series

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# CERTIFIED ORGANIC ACREAGE AND SALES IN WASHINGTON STATE: 2007- 2015

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## Abstract

WSU CSANR has compiled state organic crop acreage statistics since 2004, using certifier data, to provide annual updates containing 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 numbers and acreage (2007–2015), and sales (2008–2015).

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# Certified Organic Acreage and Sales in Washington State: 2007-2015

## Introduction and Approach

WSU's Center for Sustaining Agriculture and Natural Resources (CSANR) has compiled state organic crop acreage statistics since 2004 to provide annual updates containing 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 numbers and acreage (2007–2015), and sales (2008–2015) based on certifier data. Graphical presentations of these data are available at

[http://csanr.wsu.edu/pages/Organic\\_Statistics](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. Data from additional certifiers such as Quality Assurance International (QAI), Stellar Certification Services, and International Certification Services (ICS), have been included as available.

The goal of the annual CSANR organic statistics reports is to provide timely, detailed, and accurate data regarding certified organic farms in the state to growers, businesses, policymakers, and other interested parties. The U.S. Department of Agriculture (USDA) Economic Research Service (ERS) and National Agricultural Statistics Service (NASS) have also collected state and national information on organic farms when funding has been available; however, publication has typically lagged several 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 Organic Survey (NASS 2016). 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 survey 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 acreage numbers present a reliable picture of certified organic crop production in the state. Transition acres (land currently managed as organic that has not met the USDA-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 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.

Table 1 presents an overview of acreage of the major crop categories from 2007–2015. Forage, tree fruit, and vegetables have been the leading categories (see percentage 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 in both 2014 and 2015. 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. Hay fields harvested or grazed multiple times had area counted just once for acreage.

Table 2 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 by land area, yield, or sales value for individual vegetable crops.

Table 3 presents the number of farms (certified or transition only) and acres by county for 2015. The percentage 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.

Table 6 presents 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. To protect confidentiality, some county sales values are amalgamated with other counties; this has changed over time with the number of farms reporting. There is temporal variability in the income period; growers can report on a 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 Table 6 underestimate total Washington organic farmgate sales for various reasons: data from other certifiers (e.g., QAI, CCOF, Stellar) 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. 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 2015 Organic Survey by NASS (2016) reported gross farmgate sales in Washington of \$626.4 million. This is higher than the \$592.1 million reported here. As in the past, part of the difference is due to lack of sales data from those producer-processors described above. Mushroom production of at least \$18 million is not included. 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 2015 exceeded \$630 million.

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 2006 to 2008 and then declined 25% during the recession. Despite regulatory changes and shortages of organic feed, organic cow numbers have increased since 2010, and represented 3% of the state dairy herd in 2015.

The values reported here were compiled from data provided by multiple certifiers, based on farm certification records. This report covers acreage through calendar year 2015 and sales through the end of 2015, as reported by producers.

**Further detailed organic statistical information compiled by WSU CSANR is posted online at [http://csanr.wsu.edu/pages/Organic\\_Statistics](http://csanr.wsu.edu/pages/Organic_Statistics).**

Table 1. Summary of certified organic acreage in Washington, 2007-2015

Category	Acres										Change (ac)	% of Total
	2007	2008	2009	2010	2011	2012	2013	2014	2015	T2015		
Forage	26,091	30,031	32,659	27,753	26,823	28,949	29,642	27,779	29,661	566	1,882	31.0
Tree Fruit	10,959	16,983	21,862	20,662	19,592	18,855	19,139	19,228	19,685	3,687	457	20.6
Vegetable	20,042	19,836	15,668	13,263	15,191	15,585	16,326	19,945	21,474	27	1,529	22.4
Grain, Dry Bean & Oilseed	5,276	8,508	13,084	14,540	10,991	9,867	8,530	11,253	12,760	177	1,507	13.3
Small Fruit & Nut	3,014	3,205	3,392	3,707	4,276	4,176	4,214	4,245	4,165	326	-80	4.3
Herbs	1,267	1,137	1,190	1,358	1,565	1,585	1,407	1,133	1,203	--	70	1.3
Other Crops	730	787	811	986	982	1,437	2,009	1,192	2,333	--	1,141	2.4
Fallow	6,918	9,819	15,303	15,769	7,697	6,751	4,111	3,072	3,509	4	437	3.7
Other, Undefined	7,175	5,833	4,367	3,895	2,991	2,056	1,433	1,681	988	13	-693	1.0
Total Acres (with double crop)	81,472	96,139	108,336	101,933	90,108	89,261	86,811	89,528	95,778	4,800	6,250	100
Total Area	78,529	92,555	104,962	100,553	89,186	88,072	84,868	84,848	91,088	4,800	6,240	--
Annual % Change	27	18	13	-4	-11	-1	-3.6	-0.2	7.4	--	--	--
No. of Producers	629-71	689-53	753-10	735-5	729-2	731-3	712-4	700-7	724	22	--	--

T=Transition to organic. Vegetable category includes melons. Certified acre totals include 4,690 ac double crop. Total 2015 certified site area is 91,088 ac including 143 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.

## Table 2. Certified organic acres in Washington by specific crop, 2007-2015

Table 2a. Certified organic acres in Washington by specific crop, 2007-2015: Forage

Forage	Acres									
	2007	2008	2009	2010	2011	2012	2013	2014	2015	T2015
Hay	11,313	16,454	18,532	17,022	18,459	19,235	19,288	18,436	18,838	558
<i>Alfalfa</i>	2,783	4,527	4,628	2,888	2,626	2,504	2,046	2,095	3,175	275
<i>Mixed (Alfalfa-Grass)</i>	783	1,626	1,731	1,401	1,286	779	190	225	484	--
<i>Grass and Mixed Grass</i>	2,552	5,133	4,316	5,127	5,358	4,739	4,890	7,549	8,810	23
<i>Small Grain</i>	285	516	449	386	529	190	110	243	269	--
<i>Unspecified</i>	4,911	4,652	7,408	7,220	8,660	11,023	12,052	8,324	6,100	260
Corn Silage	948	166	1,020	459	490	664	858	767	1,027	--
Pasture	13,831	13,411	13,085	10,271	7,874	9,049	9,308	8,576	9,796	8
Forage, Mixed	--	--	22	--	--	--	188	--	--	--
<b>Total Forage</b>	<b>26,092</b>	<b>30,031</b>	<b>32,659</b>	<b>27,752</b>	<b>26,823</b>	<b>28,949</b>	<b>29,642</b>	<b>27,779</b>	<b>29,661</b>	<b>566</b>
T=Transition to organic. 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 by specific crop, 2007-2015: Grain, dry bean, oilseed.

Grain, Dry Bean, and Oilseed	Acres									
	2007	2008	2009	2010	2011	2012	2013	2014	2015	T2015
<b>Grain</b>										
Wheat	1,860	4,644	7,791	6,526	5,785	5,189	3,929	4,721	7,915	144
<i>Wheat, Hard Red</i>	75	96	803	1,686	1,140	959	1,260	798	1,658	--
<i>Wheat, Soft White</i>	384	440	561	447	100	63	273	654	566	--
<i>Spelt</i>	184	254	747	1,013	935	481	539	244	453	--
<i>Einkorn</i>	--	--	--	--	--	11	85	119	126	--
<i>Emmer</i>	60	75	156	170	88	99	142	204	99	--
<i>Other &amp; Unspecified</i>	1,157	3,779	5,524	3,210	3,522	3,576	1,630	2,702	5,013	144
Corn	1,970	2,265	2,796	2,672	1,648	1,707	1,531	1,506	1,635	--
Barley	62	311	231	151	783	788	962	673	859	--
Triticale	341	365	705	1,137	940	629	772	734	417	--
Oat	15	112	74	41	162	70	147	1,665	138	32
Rye	9	28	131	206	35	4	4	9	55	--
Buckwheat	2	2	--	21	3	--	--	--	33	--
Teff	30	--	--	50	--	--	--	--	--	--
Other & Unspecified	--	17	39	145	87	192	160	349	215	--
<b>Total Grain</b>	4,289	7,744	11,767	10,949	9,443	8,579	7,505	9,657	11,257	176
<b>Dry Bean/Pulse</b>										
Pinto Bean	15	20	170	505	130	588	542	901	588	--
Pea	28	87	167	252	58	189	76	465	113	--
Black Bean	--	--	--	865	13	--	23	59	31	--
Fava Bean	--	1	1	1	1	--	--	6	--	--
White Kidney Bean	52	--	19	15	24	--	--	4	--	--
Lentil	--	75	--	--	--	--	--	--	--	--
Other & Unspecified	377	481	933	1,823	1,320	510	276	99	537	1
<b>Total Dry Bean/Pulse</b>	472	664	1,290	3,461	1,546	1,287	917	1,534	1,269	1
<b>Oilseed</b>										
Mustard	--	--	--	4	--	--	--	--	125	--
Camelina	14	10	8	2	--	1	3	51	99	--
Canola	153	87	--	--	--	--	105	--	--	--
Flaxseed	25	1	--	90	1	--	--	--	--	--
Sunflower	8	2	--	--	--	--	--	--	--	--
<b>Total Oilseed</b>	200	100	8	96	1	1	108	51	224	--
Mixed Grain & Dry Bean	316	--	19	34	1	--	--	11	--	--

Table 2c. Certified organic acres in Washington by specific crop, 2007-2015: Vegetable.

Vegetable	Acres									
	2007	2008	2009	2010	2011	2012	2013	2014	2015	T2015
<b>Assorted</b>										
Asparagus	96	98	84	83	135	159	157	167	125	20
Eggplant	7	3	6	6	12	16	9	8	13	--
Mixed & Other Vegetables	1,606	1,186	1,084	1,104	1,251	1,852	1,547	1,096	951	6
Pea	5,225	5,243	3,256	3,636	3,241	3,975	4,259	4,776	4,236	--
Pepper	22	15	41	32	29	37	44	42	65	--
Rhubarb	12	12	9	9	14	32	32	36	32	1
Salad Greens	69	35	96	83	86	83	109	148	116	--
<i>Lettuce</i>	--	29	42	37	35	42	45	54	46	--
<i>Spinach</i>	--	1	10	15	15	10	25	55	59	--
<i>Other &amp; Unspecified</i>	--	5	44	31	36	31	39	39	11	--
Sweet Corn	8,230	7,689	5,528	4,462	6,091	5,178	4,768	7,330	7,869	--
Tomato	40	50	38	39	36	50	31	37	29	--
<b>Allium</b>										
Garlic	27	35	35	17	50	34	48	39	43	--
Leek	95	124	103	135	172	163	148	146	124	--
Onion	604	1,051	653	408	499	480	664	783	941	--
Other & Unspecified	--	9	13	16	9	13	18	14	33	--
<b>Bean</b>										
Green, Snap	1,139	1,432	2,107	1,169	1,602	1,247	1,505	1,788	2,451	--
Black, Shell	--	30	--	--	--	--	--	--	--	--
Edamame, Shell	--	--	--	--	5	--	--	--	--	--
Fava, Shell	7	2	--	1	1	4	--	9	5	--
Lima, Shell	180	183	183	215	48	62	268	240	109	--
<b>Brassica</b>										
Broccoli	35	58	32	21	20	10	36	32	156	--
Brussels Sprout	--	--	--	--	--	4	3	1	32	--
Cabbage	23	33	29	35	30	23	16	23	34	--
Cauliflower	8	6	8	8	4	7	8	5.5	4	--
Chard	--	--	--	--	--	10	6	8	21	--
Kale	9	3	15	14	12	11	14	20	49	--
Other & Unspecified	3	4	9	17	6	2	46	17	11	--
<b>Cucurbit</b>										
Cucumber	29	80	79	85	69	65	61	69	82	--
Melons, Mixed	43	32	53	35	36	37	41	40	51	--
Watermelon	67	45	34	120	39	52	9	56	121	--
Pumpkin	29	68	37	60	77	22	34	31	25	--
Squash, Mixed	147	109	170	152	261	312	373	340	576	--
<b>Root and Tuber</b>										
Beet	18	21	38	46	29	103	100	216	253	--
Carrot	399	552	217	215	273	280	240	522	571	--
Parsnip	2	3	2	3	1	4	9	7	7	--
Potato	1,866	1,600	1,697	1,032	1,044	1,253	1,717	1,895	2,333	--
Seed Potato	--	24	4	--	2	2	2	--	--	--
Radish	4	--	4	4	4	2	3	1	4	--
Turnip	2	1	4	2	3	1	1	2	2	--
<b>Total Vegetable</b>	<b>20,043</b>	<b>19,836</b>	<b>15,668</b>	<b>12,095</b>	<b>15,191</b>	<b>15,585</b>	<b>16,326</b>	<b>19,945</b>	<b>21,474</b>	<b>27</b>

Table 2d. Certified organic acres in Washington by specific crop, 2007-2015: Tree fruit.

Tree Fruit	Acres									
	2007	2008	2009	2010	2011	2012	2013	2014	2015	T2015
<b>Apple</b>										
Gala	1,672	2,710	3,458	3,201	3,332	3,207	3,264	3,333	3,437	975
Fuji	1,299	2,280	3,045	3,366	3,472	3,449	3,354	3,235	3,271	572
Honeycrisp	339	756	879	1,099	1,087	1,158	1,587	1,727	1,804	754
Red Delicious	1,018	1,459	1,630	1,461	1,380	1,337	1,375	1,344	1,303	253
Granny Smith	1,006	1,268	1,700	1,470	1,364	1,274	1,258	1,223	1,263	343
Golden Types	866	1,225	1,557	1,058	988	896	896	944	948	129
Cripps Pink	596	1,047	1,081	1,016	952	828	841	897	888	117
Braeburn	599	956	1,083	884	551	479	443	315	268	12
Cameo®	219	436	436	458	552	399	319	322	292	1
Other & Unspecified	404	799	866	777	618	630	693	712	805	200
<b>Total Apple</b>	<b>8,018</b>	<b>12,936</b>	<b>15,735</b>	<b>14,790</b>	<b>14,296</b>	<b>13,657</b>	<b>14,030</b>	<b>14,052</b>	<b>14,283</b>	<b>3,356</b>
<b>Pear</b>										
Bartlett	480	591	656	692	629	627	631	596	643	42
D'Anjou	401	519	616	636	614	618	564	586	646	22
Bosc	218	223	276	301	282	322	310	315	350	48
Red D'Anjou	60	67	83	95	94	93	79	100	125	22
Red Bartlett	39	52	88	69	55	40	39	41	56	14
Concorde	44	60	43	31	31	34	34	38	44	13
Asian	41	43	44	43	33	34	29	18	28	--
Other & Unspecified	135	158	158	166	179	132	134	149	154	4
<b>Total Pear</b>	<b>1,418</b>	<b>1,713</b>	<b>1,964</b>	<b>2,033</b>	<b>1,917</b>	<b>1,900</b>	<b>1,820</b>	<b>1,843</b>	<b>2,050</b>	<b>165</b>
<b>Stone Fruit</b>										
Apricot	96	107	265	299	296	266	285	299	260	--
Cherry	1,026	1,738	2,437	2,147	1,827	1,792	1,850	1,939	2,056	155
Nectarine	82	114	472	550	528	488	464	440	395	--
Peach	193	199	644	701	619	618	594	580	553	11
Plum/Prune/Pluot	61	97	130	125	92	89	64	58	56	--
Other & Unspecified	64	79	151	13	17	45	22	17	32	--
<b>Total Stone Fruit</b>	<b>1,522</b>	<b>2,334</b>	<b>4,099</b>	<b>3,835</b>	<b>3,379</b>	<b>3,298</b>	<b>3,279</b>	<b>3,333</b>	<b>3,352</b>	<b>166</b>
Mixed Tree Fruit	--	--	64	4	--	--	10	--	--	--

Table 2e. Certified organic acres in Washington by specific crop, 2007-2015: Small fruit and nut.

Small Fruit and Nut	Acres									
	2007	2008	2009	2010	2011	2012	2013	2014	2015	T2015
<b>Berry</b>										
Blackberry	43	69	71	105	137	102	73	73	67	8
Blueberry	353	481	599	903	1,258	1,379	1,447	1,540	1,705	197
Cranberry	--	--	--	--	--	--	10	10	10	13
Raspberry	208	166	143	161	180	178	106	61	57	30
Strawberry	22	21	38	35	44	87	69	96	97	--
Other & Unspecified	17	20	22	14	30	34	30	25	34	61
<b>Total Berry</b>	<b>643</b>	<b>757</b>	<b>873</b>	<b>1,218</b>	<b>1,649</b>	<b>1,780</b>	<b>1,735</b>	<b>1,805</b>	<b>1,970</b>	<b>309</b>
<b>Grape, Juice</b>										
Concord	--	--	--	--	1,467	1,467	1,468	1,379	1,223	17
Niagara	--	--	--	--	49	53	53	53	68	--
<b>Total Juice Grape</b>	<b>1,676</b>	<b>1,476</b>	<b>1,475</b>	<b>1,581</b>	<b>1,516</b>	<b>1,520</b>	<b>1,521</b>	<b>1,432</b>	<b>1,291</b>	<b>17</b>
<b>Grape, Wine</b>										
Cabernet Sauvignon	--	--	--	--	166	159	179	326	245	--
Chardonnay	--	--	--	--	174	174	165	165	83	--
Gewurztraminer	--	--	--	--	18	18	18	18	16	--
Merlot	--	--	--	--	170	70	70	99	107	--
Riesling	--	--	--	--	358	229	257	134	209	--
Syrah	--	--	--	--	65	55	107	122	112	--
Red, Other	--	--	--	--	51	52	46	37	36	--
White, Other	--	--	--	--	59	48	46	51	53	--
Mixed & Unspecified	--	--	--	--	5	33	28	26	12	--
<b>Total Wine Grape</b>	<b>582</b>	<b>881</b>	<b>969</b>	<b>868</b>	<b>1,066</b>	<b>838</b>	<b>916</b>	<b>978</b>	<b>873</b>	<b>--</b>
<b>Grape, Table &amp; Mixed</b>	<b>65</b>	<b>35</b>	<b>18</b>	<b>14</b>	<b>13</b>	<b>7</b>	<b>10</b>	<b>6</b>	<b>9</b>	<b>--</b>
<b>Total All Grape</b>	<b>2,323</b>	<b>2,392</b>	<b>2,462</b>	<b>2,463</b>	<b>2,599</b>	<b>2,365</b>	<b>2,447</b>	<b>2,416</b>	<b>2,173</b>	<b>17</b>
<b>Other Fruit</b>										
Kiwi	--	3	2	7	2	2	2	2	1	--
<b>Nut</b>										
Almond	1	6	5	5	9	12	12	4	4	--
Chestnut	2	2	2	3	3	3	3	3	3	--
Filbert/Hazelnut	37	37	39	2	4	4	4	4	3	--
Walnut	4	5	6	6	6	7	8	8	8	--
Other & Unspecified	5	3	3	3	4	3	3	3	3	--
<b>Total Nut</b>	<b>48</b>	<b>53</b>	<b>55</b>	<b>19</b>	<b>26</b>	<b>29</b>	<b>30</b>	<b>22</b>	<b>21</b>	<b>--</b>

Table 2f. Certified organic acres in Washington by specific crop, 2007-2015: Herbs, other crops, and other land.

Herbs, Other Crops and Other Land	Acres									
	2007	2008	2009	2010	2011	2012	2013	2014	2015	T2015
<b>Herbs</b>										
Medicinal Herbs	518	545	568	487	626	718	547	586	606	--
Culinary Herbs	212	120	128	165	194	95	138	213	230	--
Mint	308	199	182	193	258	240	214	250	299	--
Lavender	42	46	37	39	34	40	34	36	38	--
Mixed & Other	187	227	275	474	453	492	474	48	30	--
<b>Total Herbs</b>	<b>1,267</b>	<b>1,137</b>	<b>1,190</b>	<b>1,358</b>	<b>1,565</b>	<b>1,585</b>	<b>1,407</b>	<b>1,133</b>	<b>1,203</b>	<b>--</b>
<b>Other Crops</b>										
Cover Crops	148	171	218	361	157	369	577	303	1,712	--
Hops	32	54	65	66	58	156	203	190	210	--
Flowers, Cut or Edible	6	16	17	16	9	9	10	9	11	--
Greenhouse/Nursery	--	4	3	6	15.4	12	15	16	104	--
Mixed Horticulture	--	57	12	10	14	16	5	50	9	--
Mushroom*	6	6	1	<1	<1	<1	1	1	2	--
Seed Crops	116	119	88	139	353	391	463	266	102	--
<i>Vegetable, Mixed &amp; Other</i>	<i>116</i>	<i>30</i>	<i>46</i>	<i>20</i>	<i>5</i>	<i>23</i>	<i>23</i>	<i>25</i>	<i>27</i>	<i>--</i>
<i>Beets</i>	<i>--</i>	<i>17</i>	<i>20</i>	<i>50</i>	<i>25</i>	<i>62</i>	<i>40</i>	<i>35</i>	<i>35</i>	<i>--</i>
<i>Carrot</i>	<i>--</i>	<i>61</i>	<i>--</i>	<i>60</i>	<i>158</i>	<i>138</i>	<i>120</i>	<i>64</i>	<i>--</i>	<i>--</i>
<i>Onion</i>	<i>--</i>	<i>--</i>	<i>--</i>	<i>--</i>	<i>3</i>	<i>1</i>	<i>--</i>	<i>118</i>	<i>--</i>	<i>--</i>
<i>Spinach</i>	<i>--</i>	<i>11</i>	<i>22</i>	<i>1</i>	<i>--</i>	<i>--</i>	<i>10</i>	<i>21</i>	<i>--</i>	<i>--</i>
<i>Grass</i>	<i>--</i>	<i>--</i>	<i>--</i>	<i>--</i>	<i>158</i>	<i>148</i>	<i>144</i>	<i>--</i>	<i>--</i>	<i>--</i>
<i>Other Seed</i>	<i>--</i>	<i>--</i>	<i>--</i>	<i>8</i>	<i>4</i>	<i>19</i>	<i>126</i>	<i>3</i>	<i>40</i>	<i>--</i>
Wildcraft	367	360	362	375	375	403	360	282	90	--
Other & Unspecified	56	--	45	12	--	80	375	75	93	--
<b>Total Other Crops</b>	<b>731</b>	<b>787</b>	<b>811</b>	<b>986</b>	<b>982</b>	<b>1,437</b>	<b>2,009</b>	<b>1,192</b>	<b>2,333</b>	<b>--</b>
<b>Other Land</b>										
Fallow/Summer Fallow	6,918	9,819	15,303	14,256	7,697	6,751	4,111	3,072	3,309	4
CRP, CREP land	--	--	--	1,512	--	--	--	200	200	--
Timber/Woods	423	925	931	864	524	478	510	737	768	--
Other & Unspecified	--	60	295	164	208	56	1	70	77	--
Undefined Acreage	6,752	4,848	3,141	2,868	2,259	1,522	922	674	143	13
<b>Total Other Land</b>	<b>14,093</b>	<b>15,652</b>	<b>19,670</b>	<b>19,664</b>	<b>10,688</b>	<b>8,807</b>	<b>5,544</b>	<b>4,753</b>	<b>4,497</b>	<b>17</b>

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

Table 3. Number of certified organic producer operations and area in Washington by county, 2015

County	No. of producers 2015		Area (acres)		Percent (%)	
	C	T Only	C	T	C Farms	C Area
Adams	10	--	2,745	118	1.4	3.0
Asotin	--	--	--	--	--	--
Benton	26	1	6,868	445	3.6	7.5
Chelan	44	--	1,715	89	6.1	1.9
Columbia	--	--	--	--	--	--
Douglas	29	3	2,056	638	4.0	2.3
Ferry	1	--	2	--	0.1	0.002
Franklin	31	5	3,593	543	4.3	3.9
Garfield	--	--	--	--	--	--
Grant	90	7	24,767	2,241	12.4	27.2
Kittitas	3	--	975	12	0.4	1.1
Klickitat	17	--	2,799	--	2.3	3.1
Lincoln	3	--	1,387	--	0.4	1.5
Okanogan	66	1	4,103	157	9.1	4.5
Pend Oreille	--	--	--	--	--	--
Spokane	10	--	1,204	--	1.4	1.3
Stevens	24	--	2,416	--	3.3	2.7
Walla Walla	12	--	2,120	--	1.7	2.3
Whitman	3	--	116	--	0.4	0.1
Yakima	88	1	5,134	297	12.2	5.6
<b>East of Cascades</b>	<b>457</b>	<b>18</b>	<b>62,000</b>	<b>4,539</b>	<b>63</b>	<b>68</b>
Clallam	12	--	748	0.3	1.7	0.8
Clark	14	--	384	--	1.9	0.4
Cowlitz	--	--	--	--	--	--
Grays Harbor	5	--	677	--	0.7	0.7
Island	9	--	342	--	1.2	0.4
Jefferson	13	--	841	--	1.8	0.9
King	24	--	3,456	1	3.3	3.8
Kitsap	6	--	112	--	0.8	0.1
Lewis	30	--	5,405	--	4.1	5.9
Mason	2	--	40	--	0.3	0.04
Pacific	1	2	10	13	0.1	0.01
Pierce	15	--	1,379	--	2.1	1.5
San Juan	8	--	178	--	1.1	0.2
Skagit	45	2	6,737	214	6.2	7.4
Skamania	2	--	100	--	0.3	0.1
Snohomish	18	--	1,164	--	2.5	1.3
Thurston	27	--	2,287	--	3.7	2.5
Wahkiakum	2	--	674	--	0.3	0.7
Whatcom	34	--	4,555	32	4.7	5.0
<b>West of Cascades</b>	<b>267</b>	<b>4</b>	<b>29,088</b>	<b>261</b>	<b>37</b>	<b>32</b>
<b>State Total</b>	<b>724</b>	<b>22</b>	<b>91,088</b>	<b>4,800</b>	<b>--</b>	<b>--</b>

C = Certified organic and T= Transition to organic. Values were based on total site area and did not included double crop acres. T only farms had land in transition to organic only; C farms had certified organic acres but could also include transition land.

Table 4. Number of certified organic producer operations in Washington by county, 2007-2015

County	Number of Certified Producers								
	2007	2008	2009	2010	2011	2012	2013	2014	2015
Adams	6	7	10	10	9	9	12	10	10
Asotin	1	1	1	1	1	1	1	--	--
Benton	26	27	28	30	27	26	25	27	26
Chelan	50	49	51	50	51	44	40	42	44
Columbia	--	--	--	--	--	--	--	--	--
Douglas	27	27	29	28	28	28	28	29	29
Ferry	--	--	--	--	1	1	2	1	1
Franklin	13	22	31	32	31	31	29	29	31
Garfield	1	1	1	--	--	--	--	--	--
Grant	49	64	88	91	87	87	83	85	90
Kittitas	5	4	4	3	5	6	4	3	3
Klickitat	13	13	17	18	19	21	17	17	17
Lincoln	3	4	6	5	4	4	3	3	3
Okanogan	56	60	61	58	57	61	67	63	66
Pend Oreille	--	--	--	--	--	--	--	--	--
Spokane	4	4	5	5	10	12	10	8	10
Stevens	25	23	23	21	21	21	22	22	24
Walla Walla	13	13	9	9	12	13	13	13	12
Whitman	6	7	8	7	6	5	4	3	3
Yakima	90	108	109	103	94	94	91	92	88
<b>East of Cascades</b>	<b>388</b>	<b>434</b>	<b>481</b>	<b>471</b>	<b>463</b>	<b>464</b>	<b>451</b>	<b>447</b>	<b>457</b>
Clallam	10	11	11	11	12	13	13	12	12
Clark	13	14	15	15	14	15	15	15	14
Cowlitz	1	1	2	2	2	2	1	1	--
Grays Harbor	8	6	6	6	7	7	6	5	5
Island	5	7	7	9	11	9	8	9	9
Jefferson	8	11	12	13	13	11	10	10	13
King	21	24	26	24	22	26	23	22	24
Kitsap	5	6	7	7	7	7	7	7	6
Lewis	24	26	25	25	25	26	26	25	30
Mason	3	1	2	2	3	3	3	2	2
Pacific	4	4	4	1	1	1	1	1	1
Pierce	10	8	9	10	11	13	15	16	15
San Juan	9	10	11	11	10	11	8	6	8
Skagit	38	41	43	44	44	43	43	40	45
Skamania	2	2	5	2	2	2	3	2	2
Snohomish	20	19	21	21	21	17	20	23	18
Thurston	23	25	23	24	25	25	23	22	27
Wahkiakum	3	3	3	3	2	3	3	3	2
Whatcom	34	36	40	34	34	33	33	32	34
<b>West of Cascades</b>	<b>241</b>	<b>255</b>	<b>272</b>	<b>264</b>	<b>266</b>	<b>267</b>	<b>261</b>	<b>253</b>	<b>267</b>
<b>State Total</b>	<b>629</b>	<b>689</b>	<b>753</b>	<b>735</b>	<b>729</b>	<b>731</b>	<b>712</b>	<b>700</b>	<b>724</b>

Table 5. Certified organic area in Washington by county, 2007-2015

County	Acres									
	2007	2008	2009	2010	2011	2012	2013	2014	2015	±14-15
Adams	1,766	3,145	4,217	5,914	2,506	2,483	3,258	2,688	2,745	57
Asotin	800	800	800	800	800	800	800	--	--	--
Benton	11,336	13,121	13,033	9,202	8,699	7,805	5,975	6,385	6,868	483
Chelan	1,426	1,992	2,504	2,012	2,207	1,763	1,639	1,687	1,715	28
Columbia	--	--	--	--	--	--	--	--	--	--
Douglas	4,990	5,002	5,688	4,202	2,200	2,368	2,289	2,238	2,056	-182
Ferry	--	--	--	--	4	4	5	2	2	0
Franklin	1,229	3,030	3,749	3,573	3,320	3,247	3,045	3,240	3,593	353
Garfield	328	328	328	--	--	--	--	--	--	--
Grant	15,565	18,519	20,859	23,796	23,360	21,996	19,509	21,677	24,767	3,090
Kittitas	267	124	124	133	219	199	1,012	1,013	975	-38
Klickitat	2,190	2,390	3,032	3,359	4,071	3,419	3,052	2,524	2,799	275
Lincoln	1,029	1,079	7,876	7,748	1,961	2,433	1,588	1,652	1,387	-265
Okanogan	2,825	4,396	4,000	4,055	3,926	3,710	3,827	3,823	4,103	280
Pend Oreille	--	--	--	--	--	--	--	--	--	--
Spokane	101	95	95	87	85	975	932	921	1,204	283
Stevens	2,237	2,252	2,225	2,176	2,117	2,103	2,559	2,569	2,416	-153
Walla Walla	2,032	1,295	1,649	1,793	2,328	2,240	2,278	2,243	2,120	-123
Whitman	155	153	165	75	64	64	59	46	116	70
Yakima	6,148	8,277	8,012	6,263	5,419	5,663	5,093	4,922	5,134	212
East of Cascades	54,425	65,999	78,356	75,188	63,286	61,272	56,920	57,630	62,000	4,370
Clallam	341	420	420	458	455	448	448	779	748	-31
Clark	407	503	455	651	771	498	560	441	384	-57
Cowlitz	20	20	20	20	20	20	1	30	--	-30
Grays Harbor	1,736	1,300	1,263	1,417	1,316	1,465	1,390	673	677	4
Island	151	279	275	288	291	294	258	284	342	58
Jefferson	889	939	961	824	810	756	819	876	841	-35
King	1,270	3,040	3,117	2,940	2,959	3,321	3,306	3,062	3,456	394
Kitsap	108	109	113	111	111	127	127	118	112	-6
Lewis	4,159	4,777	4,357	4,585	4,271	4,233	4,362	4,213	5,405	1,192
Mason	26	17	21	21	22	44	44	40	39	-1
Pacific	500	500	500	10	10	10	10	10	10	0
Pierce	746	885	899	1,111	1,148	1,539	1,738	1,726	1,379	-347
San Juan	244	253	421	396	371	304	192	142	178	36
Skagit	4,476	4,825	5,820	5,579	5,627	6,015	6,107	6,135	6,737	602
Skamania	85	59	121	79	80	68	98	94	100	6
Snohomish	2,546	2,122	1,417	755	1,235	1,102	1,156	1,243	1,164	-79
Thurston	2,959	2,818	2,367	2,451	2,694	2,553	2,658	1,990	2,287	297
Wahkiakum	605	651	738	737	671	745	745	768	674	-94
Whatcom	2,839	3,042	3,321	2,932	3,038	3,258	3,929	4,594	4,555	-39
West of Cascades	24,105	26,556	26,606	25,365	25,900	26,800	27,948	27,218	29,088	1,870
<b>State Total</b>	<b>78,530</b>	<b>92,555</b>	<b>104,962</b>	<b>100,553</b>	<b>89,186</b>	<b>88,072</b>	<b>84,868</b>	<b>84,848</b>	<b>91,088</b>	<b>6,240</b>

Values were based on total site area and did not include identified double crop acres.

## Table 6. Estimated WSDA and OTCO farmgate sales of certified organic crop and animal products

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

County	Eastern Washington Farmgate Value (\$)										
	2008	2009	2010	2011	2012	2013	2014	2015	% Sales	%± 14-15	
Adams	6,803,978	4,712,747	4,450,809	6,075,215	13,039,630	13,313,041	12,237,781	32,515,731	5	166	
Asotin	Asotin group	Asotin group	Asotin group	Asotin group	Asotin group	--	--	--	--	--	
Asotin, Garfield, Whitman	128,615	76,305	105,704	113,635	103,061	--	--	--	--	--	
Benton	39,532,259	21,900,016	22,011,629	25,818,613	36,513,778	44,566,971	51,934,544	54,169,833	9	4	
Chelan, Douglas	32,604,025	23,932,300	24,111,199	27,518,678	31,818,755	41,293,785	43,239,154	61,745,595	10	43	
Columbia	--	--	--	--	--	--	--	--	--	--	
Ferry	--	--	Stevens-Ferry	Stevens-Ferry	Stevens-Ferry	Stevens-Ferry	Stevens-Ferry	Stevens-Ferry	Stevens-Ferry	--	--
Franklin	8,152,407	10,812,398	13,188,205	18,033,263	23,394,676	24,047,190	34,933,381	39,615,754	7	13	
Garfield	Asotin group	--	--	--	--	--	--	--	--	--	
Grant	51,920,630	52,924,663	64,005,943	87,771,761	106,772,592	144,063,298	180,029,662	166,638,444	28	-7	
Kittitas	40,408	41,584	169,558	83,265	95,997	172,101	171,147	40,000	0.1	-77	
Klickitat	6,271,043	5,792,017	6,645,054	8,411,142	6,475,147	5,876,317	9,038,215	9,724,736	2	8	
Lincoln	84,926	297,440	367,120	446,299	175,301	253,142	365,647	926,934	0.2	154	
Okanogan	12,716,501	12,078,319	10,664,717	14,209,137	17,897,348	23,323,109	25,940,190	50,130,456	9	93	
Pend Oreille	--	--	--	--	--	--	--	--	--	--	
Spokane	35,288	72,306	126,430	157,213	176,592	162,360	262,662	178,107	0.1	-32	
Stevens	750,085	390,822	Stevens-Ferry	Stevens-Ferry	Stevens-Ferry	Stevens-Ferry	Stevens-Ferry	Stevens-Ferry	--	--	
Stevens, Ferry	Stevens	Stevens	499,898	504,538	647,117	745,248	1,082,625	1,050,836	0.2	-3	
Walla Walla	14,604,314	10,483,575	20,011,407	22,049,205	27,734,332	35,317,450	33,439,506	46,465,975	8	39	
Whitman	Asotin group	Asotin group	Asotin group	Asotin group	Asotin group	108,186	95,980	192,197	0.1	100	
Yakima	24,507,400	21,119,600	19,051,245	23,433,582	31,226,646	40,936,693	41,310,523	55,906,334	9	35	
	2008	2009	2010	2011	2012	2013	2014	2015	%	%±	
East of Cascades	198,151,879	164,634,092	185,408,918	234,625,546	296,070,971	374,178,890	434,081,017	519,300,933	88	20	
West of Cascades	48,552,268	46,070,879	52,305,399	49,827,602	59,469,172	61,327,505	62,385,889	72,818,671	12	17	
State Total	246,704,147	210,704,971	237,714,317	284,453,148	355,540,144	435,506,395	496,466,906	592,119,604	100	19	

Percentage of sales is based on 2015. Percent change is based on 2014-2015. Counties are grouped to protect confidentiality when needed. Groupings change depending on number of farms in each county each year. Chelan and Douglas counties were grouped due to a portion of sales reported for Chelan actually representing Douglas county acreage. A "--" in a cell indicates that no sales were reported for that year and county.

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

County	Western Washington Gross Farmgate Value \$									
	2008	2009	2010	2011	2012	2013	2014	2015	% Sales	%± 14-15
Clallam	824,415	1,233,943	1,299,608	1,560,370	1,314,326	1,337,777	1,414,615	1,403,730	0.2	-1
Clark	Clark group	1,632,818	1,541,910	1,831,544	1,504,563	1,231,430	1,001,903	1,410,217	0.2	41
Clark, Cowlitz, Skamania	1,614,752	Clark or Cowlitz-Skam	Clark or Cowlitz-Skam	Clark or Cowlitz-Skam	Clark or Cowlitz-Skam	Clark or Cowlitz-Skam	Clark or Cowlitz-Skam	Clark or Cowlitz-Skam	--	--
Cowlitz	Clark group	Cowlitz-Skam	Cowlitz-Skam	Cowlitz-Skam	Cowlitz-Skam	Cowlitz-Skam	Cowlitz-Skam	--	--	--
Cowlitz, Skamania	Clark group	260,186	502,576	226,226	323,369	506,805	529,710	--	--	--
Grays Harbor	Mason-Grays	1,806,137	1,402,045	1,327,370	1,404,448	Mason-Grays	Mason-Grays	Mason-Grays	--	--
Island	66,136	112,993	247,466	189,900	236,847	167,446	295,906	283,042	<0.1	-4
Jefferson	841,383	1,125,011	1,163,653	1,370,432	1,530,297	1,714,805	1,943,652	3,780,520	0.6	95
King	5,873,710	5,412,335	7,631,333	8,871,133	6,970,329	6,392,332	5,349,739	6,273,249	1.1	17
Kitsap	263,421	262,028	332,138	362,990	365,997	503,220	643,018	725,065	0.1	13
Lewis	5,532,312	5,613,327	5,787,645	6,082,515	6,781,391	7,259,315	8,899,534	9,813,156	1.7	10
Mason	Mason-Grays	--	3,323,234	3,930,876	5,143,980	Mason-Grays	Mason-Grays	Mason-Grays	--	--
Mason, Grays H.	4,005,861	See each Co.	See each Co.	See each Co.	See each Co.	8,860,291	964,994	1,605,605	0.3	66
Pacific	Wahk-Pacific	Wahk-Pacific	Wahk-Pacific	Wahk-Pacific	Wahk-Pacific	Wahk-Pacific	Wahk-Pacific	Wahk-Pacific	--	--
Pierce	1,690,631	1,912,661	1,502,865	1,983,393	2,307,708	2,303,301	2,426,558	2,404,978	0.4	-1
San Juan	209,305	111,021	90,628	141,693	64,084	68,177	73,491	46,296	<0.1	-37
Skagit	13,339,494	12,011,836	13,177,534	11,520,913	14,238,853	16,080,706	16,749,949	20,929,398	3.5	25
Skamania	Clark group	Cowlitz-Skam	Cowlitz-Skam	Cowlitz-Skam	Cowlitz-Skam	Cowlitz-Skam	Cowlitz-Skam	--	--	--
Snohomish	2,045,592	2,227,662	2,051,332	2,274,943	3,102,352	3,114,504	3,239,818	3,021,221	0.5	-7
Thurston	6,533,326	6,353,482	6,281,221	2,334,335	7,288,107	3,341,268	9,314,688	9,319,670	1.6	0
Wahkiakum	Wahk-Pacific	Wahk-Pacific	Wahk-Pacific	Wahk-Pacific	Wahk-Pacific	Wahk-Pacific	Wahk-Pacific	Wahk-Pacific	--	--
Wahkiakum, Pacific	773,070	706,945	752,067	771,701	844,476	929,386	944,855	1,158,485	0.2	23
Whatcom	4,938,860	5,288,494	5,218,145	5,047,268	6,048,047	7,516,742	8,593,461	10,644,037	1.8	24
	2008	2009	2010	2011	2012	2013	2014	2015	%	%±
East of Cascades	198,151,879	164,634,092	185,408,918	234,625,546	296,070,971	374,178,890	434,081,017	519,300,933	88	20
West of Cascades	48,552,268	46,070,879	52,305,399	49,827,602	59,469,172	61,327,505	62,385,889	72,818,671	12	17
State Total	246,704,147	210,704,971	237,714,317	284,453,148	355,540,144	435,506,395	496,466,906	592,119,604	100	19

Percentage of sales is based on 2015. Percent change is based on 2014-2015. Counties are grouped to protect confidentiality when needed. Groupings change depending on number of farms in each county each year. A "--" in a cell indicates that no sales were reported for that year and county.

Table 7. Certified organic dairy producer and livestock numbers in Washington, 2006-2015

	Number Certified						
	2006	2008	2010	2012	2013	2014	2015
Organic dairies	23	46	34	34	36	38	39
Milkers and dry cows	2,970	9,022	5,898	6,311	7,095	7,505	8,290
Calves and replacement heifers	2,180	7,022	4,154	4,922	4,302	5,514	5,308
Total	5,150	16,044	10,052	11,233	11,397	13,091	13,598
In addition to 39 cow dairies, 1 goat dairy (44 milkers) was certified organic in 2015.							

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