



# Certified Organic Acreage and Sales in Washington State: 2008-2016

Washington State University, Center for Sustaining Agriculture and Natural Resources Wenatchee, WA 98801

## Contact information:

Elizabeth Kirby, <u>ekirby@wsu.edu</u> 509 663 8181 x 283 David Granatstein, <u>granats@wsu.edu</u> 509 663 8181 x 222

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http://csanr.wsu.edu/pages/Organic\_Statistics or http://tfrec.cahnrs.wsu.edu/organicag/organic-statistics/

## **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 of 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 (2008-2016) and sales (2009-2016) based on certifier data. Earlier data, beginning in 2005, and graphical presentations of these data are available at <a href="http://csanr.wsu.edu/pages/Organic Statistics">http://csanr.wsu.edu/pages/Organic Statistics</a>. 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 certification Services, and International Certification Services (ICS), and OneCert 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 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, 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 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 2008-2016 values include data from WSDA, OTCO, CCOF, ICS, QAI and Stellar; 2015 and 2016 values also include data from OneCert. QAI and Stellar data are incomplete. In 2016, 4 farms were certified by Stellar and 3 poultry operations were certified by QAI. Whereas these 7 were included in the farm count total, acreage values were available for just 2 of these operations.

Table 1 provides an overview of acreage of the major crop categories from 2008-2016. Forage, tree fruit, and vegetables have been the leading categories (% 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 2014, 2015, and 2016. 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 2016. 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.

Table 6(a-b) 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. 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. Comparable data to 2009-2017 were not available for 2008 and thus 2008 was not included.

Values in Table 6(a-b) 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. 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 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. The estimate for 2016 is \$652 million, representing continued growth from the previous year.

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 45 certified in 2016. Despite regulatory changes and shortages of organic feed, organic cow numbers have also increased since 2010, and represented 3.3% of the state dairy herd in 2016.

The values reported here were compiled from data provided by multiple certifiers, based on farm certification records. This report covers acreage through calendar year 2016, and sales through the end of 2016, 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, 2008-2016.

					Ac	res					Change (ac)	% of Total
Category	2008	2009	2010	2011	2012	2013	2014	2015	2016	T2016	C15-16	C2016
Forage	30,031	32,659	27,753	26,823	28,949	29,642	27,779	29,661	32,615	937	2,954	28.6
Tree Fruit	16,983	21,862	20,662	19,592	18,855	19,139	19,228	19,685	21,771	4,991	2,086	19.1
Vegetables	19,836	15,668	13,263	15,191	15,585	16,326	19,945	21,474	24,639	783	3,165	21.6
Grains, Dry Beans, Oilseeds	8,508	13,084	14,540	10,991	9,867	8,530	11,253	12,760	19,114	652	6,354	16.8
Small Fruit & Nuts	3,205	3,392	3,707	4,276	4,176	4,214	4,245	4,165	4,762	461	597	4.2
Herbs	1,137	1,190	1,358	1,565	1,585	1,407	1,133	1,203	1,342		139	1.2
Other Crops	787	811	986	982	1,437	2,009	1,192	2,333	569	ŀ	-1,764	0.5
Fallow	9,819	15,303	15,769	7,697	6,751	4,111	3,072	3,509	66	I	-3,443	0.1
Other Land	985	1,226	1,027	732	534	511	1,007	845	782	I	-63	0.7
Undefined Area	4,848	3,141	2,868	2,259	1,522	922	674	143	8,291	677	8,148	7.3
Total Acres (with double crop)	96,139	108,336	101,933	90,108	89,261	86,811	89,528	95,778	113,951	8,501	10,025	100%
Total Area	92,555	104,962	100,553	89,186	88,072	84,868	84,848	91,088	107,003	8,153	15,915	
Annual % Change	18	13	-4	-11	-1	-3.6	02	7.4	17.5	-	1	
No. of Producers	689- <mark>53</mark>	753- <mark>10</mark>	735- <mark>5</mark>	729- <mark>2</mark>	731- <mark>3</mark>	712- <mark>4</mark>	700- <mark>7</mark>	724- <mark>22</mark>	797	34		

Combined certifier information; T=Transition to organic acres. Vegetable category includes melons. Certified acreage totals include 6,948 ac double crop; transition includes 347 double crop ac. Total 2016 certified site area is 107,003 ac including 8,291 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. In 2016, WSDA database typically did not include fallow, cover crops, and some smaller crop acreages, resulting in the increased undefined land value.

Table 2a. Certified organic acres in Washington by specific crop, 2008-2016: Forage.

			, i							
					Acr	es				
Forage	2008	2009	2010	2011	2012	2013	2014	2015	2016	T2016
Hay*	16,454	18,532	17,022	18,459	19,235	19,288	18,436	18,838	22,379	937
Alfalfa	4,527	4,628	2,888	2,626	2,504	2,046	2,095	3,175	3,688	623
Mixed (Alfalfa-Grass)	1,626	1,731	1,401	1,286	779	190	225	484	472	
Grass and Mixed Grass	5,133	4,316	5,127	5,358	4,739	4,890	7,549	8,810	15,684	314
Small Grain	516	449	386	529	190	110	243	269	959	
Unspecified	4,652	7,408	7,220	8,660	11,023	12,052	8,324	6,100	1,576	
Corn Silage	166	1,020	459	490	664	858	767	1,027	998	
Pasture	13,411	13,085	10,271	7,874	9,049	9,308	8,576	9,796	9,219	
Forage, Unspecified		22			-	188		-	19	
Total Forage	30,031	32,659	27,752	26,823	28,949	29,642	27,779	29,661	32,615	937

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, 2008-2016: Grains, dry beans and oilseeds.

Grains, Dry Beans &					Acr	es				
Oilseeds	2008	2009	2010	2011	2012	2013	2014	2015	2016	T2016
Grains										
Wheat	4,644	7,791	6,526	5,785	5,189	3,929	4,721	7,915	12,056	140
Wheat, Hard Red	96	803	1,686	1,140	959	1,260	798	1,658	7,094	140
Wheat, Soft White	440	561	447	100	63	273	654	566	247	
Other & Unspecified	3,779	5,524	3,210	3,522	3,576	1,630	2,702	5,013	4,260	
Spelt	254	747	1,013	935	481	539	244	<i>4</i> 53	296	
Emmer	75	156	170	88	99	142	204	99	82	
Einkorn	-		1	1	11	85	119	126	77	
Corn	2,265	2,796	2,672	1,648	1,707	1,531	1,506	1,635	2,283	
Triticale	365	705	1,137	940	629	772	734	417	582	
Rye	28	131	206	35	4	4	9	55	1	
Barley	311	231	151	783	788	962	673	859	682	134
Oat	112	74	41	162	70	147	1,665	138	92	
Buckwheat	2	1	21	3		-		33	56	
Teff		-	50							
Other & Unspecified	17	39	145	87	192	160	349	215	115	173
Total Grains	7,744	11,767	10,949	9,443	8,579	7,505	9,657	11,257	15,867	447
Dry Beans/Pulse										
Pea	87	167	252	58	189	76	465	113		
Lentil	75								84	
White kidney Bean		19	15	24			4			
Fava Bean	1	1	1	1			6		5	
Pinto Bean	20	170	505	130	588	542	901	588	422	205
Black Bean			865	13		23	59	31	244	
Other & Unspecified	481	933	1,823	1,320	510	276	99	537	2,492	
Total Dry Beans/Pulse	664	1,290	3,461	1,546	1,287	917	1,534	1,269	3,247	205
Unspecified Grains/Dry Beans		19	34	1			11			
Oilseeds										
Canola	87			-		105				
Flaxseed	1		90	1						
Camelina	10	8	2		1	3	51	99		
Sunflower	2									
Mustard			4					125		
Total Oilseeds	100	8	96	1	1	108	51	224		

Table 2c. Certified organic acres in Washington by specific crop, 2008-2016: Vegetables.

Negetable   2008   2009   2010   2011   2012   2013   2014   2015   2016   T2016   T2016   Assorted   Assort			<u> </u>			Acr	.ec				
Assorted	Vegetable	2008	2009	2010	2011			2014	2015	2016	T2016
Pea											12010
Pea	Asparagus	98	84	83	135	159	157	167	125	163	22
Pepper	·										
Salad Greens											
Lettuce											
Other, Mixed   5											
Sweet corn         7,689         5,528         4,462         6,091         5,178         4,768         7,330         7,869         9,301         582           Tomato         50         38         39         36         50         31         37         29         26	Spinach	1	10	15	15	10	25	55	59	143	
Tomato	Other, Mixed	5	44	31	36	31	39	39	11	8	
Tomato	Sweet corn	7.689	5.528	4.462	6.091	5.178	4.768	7.330	7.869	9.301	582
Eggplant			The second secon				· ·	·	The state of the s	·	
Rhubarb	Eggplant										
Mixed Vegetable & Other   1,186											3
Allium											
Garlic		.,	.,	.,	.,_0.	.,00.	.,0.0	.,000	0.0		
Leek		35	35	17	50	34	48	39	43	54	
Onion         1,051         653         408         499         480         664         783         941         1,274											
Other & Unspecified         9         13         16         9         13         18         14         33         32											
Bean         1,432         2,107         1,169         1,602         1,247         1,505         1,788         2,451         1,339										·	
Green, Snap	·									02	
Black, Shell		1 432	2 107	1 169	1 602	1 247	1 505	1 788	2 451	1 339	
Fava, Shell	•				·			·		•	
Lima, Shell         183         183         215         48         62         268         240         109             Edamame, Shell            5 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>											
Edamame, Shell											
Brassica   Sprocoli   S8   32   21   20   10   36   32   156   184											
Broccoli											
Brussels Sprout		58	32	21	20	10	36	32	156	184	
Cabbage         33         29         35         30         23         16         23         34         40											
Cauliflower         6         8         8         4         7         8         5.5         4         4	-										
Chard            10         6         8         21         21            Kale         3         15         14         12         11         14         20         49         48            Other & Unspecified         4         9         17         6         2         46         17         11         6            Cucumber         80         79         85         69         65         61         69         82         88            Watermelon         45         34         120         39         52         9         56         121         121            Melons, Mixed         32         53         35         36         37         41         40         51         46            Squash, Mixed         109         170         152         261         312         373         340         576         927            Pumpkin         68         37         60         77         22         34         31         25         97            Root and Tuber         3         2	<u> </u>										
Kale         3         15         14         12         11         14         20         49         48											
Other & Unspecified         4         9         17         6         2         46         17         11         6            Cucurbit         Cucumber         80         79         85         69         65         61         69         82         88            Watermelon         45         34         120         39         52         9         56         121         121            Melons, Mixed         32         53         35         36         37         41         40         51         46            Squash, Mixed         109         170         152         261         312         373         340         576         927            Pumpkin         68         37         60         77         22         34         31         25         97            Root and Tuber         8         21         38         46         29         103         100         216         253         421            Carrot         552         217         215         273         280         240         522         571         973 <td></td>											
Cucurbit         80         79         85         69         65         61         69         82         88            Watermelon         45         34         120         39         52         9         56         121         121            Melons, Mixed         32         53         35         36         37         41         40         51         46            Squash, Mixed         109         170         152         261         312         373         340         576         927            Pumpkin         68         37         60         77         22         34         31         25         97            Root and Tuber         8         46         29         103         100         216         253         421            Beet         21         38         46         29         103         100         216         253         421            Carrot         552         217         215         273         280         240         522         571         973            Parsnip         3											
Cucumber         80         79         85         69         65         61         69         82         88            Watermelon         45         34         120         39         52         9         56         121         121            Melons, Mixed         32         53         35         36         37         41         40         51         46            Squash, Mixed         109         170         152         261         312         373         340         576         927            Pumpkin         68         37         60         77         22         34         31         25         97            Root and Tuber         8         46         29         103         100         216         253         421            Beet         21         38         46         29         103         100         216         253         421            Carrot         552         217         215         273         280         240         522         571         973            Potato         1,600			Ū								
Watermelon         45         34         120         39         52         9         56         121         121            Melons, Mixed         32         53         35         36         37         41         40         51         46            Squash, Mixed         109         170         152         261         312         373         340         576         927            Pumpkin         68         37         60         77         22         34         31         25         97            Root and Tuber <t< td=""><td></td><td>80</td><td>79</td><td>85</td><td>69</td><td>65</td><td>61</td><td>69</td><td>82</td><td>88</td><td></td></t<>		80	79	85	69	65	61	69	82	88	
Melons, Mixed         32         53         35         36         37         41         40         51         46            Squash, Mixed         109         170         152         261         312         373         340         576         927            Pumpkin         68         37         60         77         22         34         31         25         97            Root and Tuber											
Squash, Mixed         109         170         152         261         312         373         340         576         927											
Pumpkin         68         37         60         77         22         34         31         25         97            Root and Tuber         Seet         21         38         46         29         103         100         216         253         421            Carrot         552         217         215         273         280         240         522         571         973            Parsnip         3         2         3         1         4         9         7         7         9            Potato         1,600         1,697         1,032         1,044         1,253         1,717         1,895         2,333         2,741            Seed Potato         24         4          2         2         2              Radish          4         4         4         2         3         1         4         4         4           Turnip         1         4         2         3         1         1         2         2             Other & Unspecified											
Root and Tuber         Beet         21         38         46         29         103         100         216         253         421            Carrot         552         217         215         273         280         240         522         571         973            Parsnip         3         2         3         1         4         9         7         7         9            Potato         1,600         1,697         1,032         1,044         1,253         1,717         1,895         2,333         2,741            Seed Potato         24         4          2         2         2               Radish          4         4         4         2         3         1         4         4             Turnip         1         4         2         3         1         1         2         2              Other & Unspecified             1         1         1          3         5	•										
Beet         21         38         46         29         103         100         216         253         421            Carrot         552         217         215         273         280         240         522         571         973            Parsnip         3         2         3         1         4         9         7         7         9            Potato         1,600         1,697         1,032         1,044         1,253         1,717         1,895         2,333         2,741            Seed Potato         24         4          2         2         2               Radish          4         4         4         2         3         1         4         4            Turnip         1         4         2         3         1         1         2         2              Other & Unspecified             1         1         1          3         58	·		0.				<u> </u>			<u> </u>	
Carrot         552         217         215         273         280         240         522         571         973            Parsnip         3         2         3         1         4         9         7         7         9            Potato         1,600         1,697         1,032         1,044         1,253         1,717         1,895         2,333         2,741            Seed Potato         24         4          2         2         2               Radish          4         4         4         2         3         1         4         4            Turnip         1         4         2         3         1         1         2         2             Other & Unspecified            1         1         1          3         58		21	38	46	29	103	100	216	253	421	
Parsnip         3         2         3         1         4         9         7         7         9            Potato         1,600         1,697         1,032         1,044         1,253         1,717         1,895         2,333         2,741            Seed Potato         24         4          2         2         2               Radish          4         4         4         2         3         1         4         4            Turnip         1         4         2         3         1         1         2         2              Other & Unspecified            1         1         1          3         58											
Potato         1,600         1,697         1,032         1,044         1,253         1,717         1,895         2,333         2,741            Seed Potato         24         4          2         2         2                Radish          4         4         4         2         3         1         4         4            Turnip         1         4         2         3         1         1         2         2             Other & Unspecified            1         1         1          3         58											
Seed Potato         24         4          2         2         2               Radish          4         4         4         2         3         1         4         4            Turnip         1         4         2         3         1         1         2         2             Other & Unspecified            1         1          3         58											
Radish          4         4         4         2         3         1         4         4            Turnip         1         4         2         3         1         1         2         2             Other & Unspecified            1         1          3         58											
Turnip         1         4         2         3         1         1         2         2             Other & Unspecified            1         1          3         58											
Other & Unspecified 1 1 1 3 58											
	•										
TUGI VEGEGOJES - 1 M 0.30   13 000   17 000   13 191   13 363   10 376   19 943   71 474   74 639   783	Total Vegetables	19,836	15,668	12,095	15,191	15,585	16,326	19,945	21,474	24,639	783

Table 2d. Certified organic acres in Washington by specific crop, 2008-2016: Tree fruit.

					Acı	es				
Tree Fruit	2008	2009	2010	2011	2012	2013	2014	2015	2016	T2016
Apple										
Gala	2,710	3,458	3,201	3,332	3,207	3,264	3,333	3,437	4,159	959
Fuji	2,280	3,045	3,366	3,472	3,449	3,354	3,235	3,271	3,689	859
Honeycrisp	756	879	1,099	1,087	1,158	1,587	1,727	1,804	2,034	1,030
Red Delicious	1,459	1,630	1,461	1,380	1,337	1,375	1,344	1,303	1,383	264
Granny Smith	1,268	1,700	1,470	1,364	1,274	1,258	1,223	1,263	1,394	369
Golden Delicious	1,154	1,480	988	900	768	739	798	797	823	162
Gold/Yellow type, other	71	77	70	88	128	157	146	151	156	
Cripps Pink	1,047	1,081	1,016	952	828	841	897	888	989	195
Braeburn	956	1,083	884	551	479	443	315	268	269	12
Cameo®	436	436	458	552	399	319	322	292	298	1
Other & Unspecified	799	866	777	618	630	693	712	805	997	393
Total Apple	12,936	15,735	14,790	14,296	13,657	14,030	14,052	14,283	16,191	4,244
Pear										
Bartlett	591	656	692	629	627	631	596	643	715	172
D'Anjou	519	616	636	614	618	564	586	646	706	92
Bosc	223	276	301	282	322	310	315	350	380	51
Red D'Anjou	67	83	95	94	93	79	100	125	139	31
Red Bartlett	52	88	69	55	40	39	41	56	65	8
Concorde	60	43	31	31	34	34	38	44	49	14
Asian	43	44	43	33	34	29	18	28	27	
Other & Unspecified	158	158	166	179	132	134	149	154	162	6
Total Pear	1,713	1,964	2,033	1,917	1,900	1,820	1,843	2,050	2,243	374
Stone Fruit										
Apricot	107	265	299	296	266	285	299	260	251	
Cherry	1,738	2,437	2,147	1,827	1,792	1,850	1,939	2,056	2,078	373
Nectarine	114	472	550	528	488	464	440	395	379	
Peach	199	644	701	619	618	594	580	553	553	
Plum/Prune/Pluot	97	130	125	92	89	64	58	56	75	
Other & Unspecified	79	151	13	17	45	22	17	32	1	
Total Stone Fruit	2,334	4,099	3,835	3,379	3,298	3,279	3,333	3,352	3,336	373
Mixed Tree Fruit		64	4			10		-	1	

Table 2e. Certified organic acres in Washington by specific crop, 2008-2016: Small fruit and nuts.

					Acr	es				
Small Fruit and Nuts	2008	2009	2010	2011	2012	2013	2014	2015	2016	T2016
Berry										
Blackberry	69	71	105	137	102	73	73	67	68	40
Blueberry	481	599	903	1,258	1,379	1,447	1,540	1,705	2,364	279
Cranberry						10	10	10	20	-
Raspberry	166	143	161	180	178	106	61	57	106	-
Strawberry	21	38	35	44	87	69	96	97	109	-
Other & Unspecified	20	22	14	30	34	30	25	34	43	61
Total Berry	757	873	1,218	1,649	1,780	1,735	1,805	1,970	2,710	380
Grape, Juice										
Concord				1,467	1,467	1,468	1,379	1,223	1,121	45
Niagara			-	49	53	53	53	68	68	-
Total Juice Grape	1,476	1,475	1,581	1,516	1,520	1,521	1,432	1,291	1,189	45
Grape, Wine										
Cabernet Sauvignon				166	159	179	326	245	244	29
Merlot				170	70	70	99	107	129	-
Syrah			-	65	55	107	122	112	131	
Red, Other				51	52	46	37	36	37	4
Riesling		-		358	229	257	134	209	124	
Chardonnay		-		174	174	165	165	83	81	-
Gewurztraminer		-	-	18	18	18	18	16	16	
White, Other		-		59	48	46	51	53	55	1
Wine, Unspecified		-	-	5	33	28	26	12	9	
Total Wine grape	881	969	868	1,066	838	916	978	873	826	34
Grape, Table & Mixed	35	18	14	13	7	10	6	9	7	2
Total Grape	2,392	2,462	2,463	2,599	2,365	2,447	2,416	2,173	2,022	81
Other Fruit										
Other									9	
Kiwi	3	2	7	2	2	2	2	1	1	1
Nut										
Almond	6	5	5	9	12	12	4	4	4	1
Chestnut	2	2	3	3	3	3	3	3	3	-
Filbert/Hazelnut	37	39	2	4	4	4	4	3	5	
Walnut	5	6	6	6	7	8	8	8	8	-
Other & Unspecified	3	3	3	4	3	3	3	3		-
Total Nut	53	55	19	26	29	30	22	21	20	

Table 2f. Certified organic acres in Washington by specific crop, 2008-2016: Herbs, other crops, and other land.

Herbs, Other Crops &					Acr	es				
Other Land	2008	2009	2010	2011	2012	2013	2014	2015	2016	T2016
Herbs										
Medicinal	545	568	487	626	718	547	586	606	697	
Culinary	120	128	165	194	95	138	213	230	247	
Mixed	227	275	474	453	492	474	48	30	53	
Mint	199	182	193	258	240	214	250	299	306	
Lavender	46	37	39	34	40	34	36	38	39	
Total Herbs	1,137	1,190	1,358	1,565	1,585	1,407	1,133	1,203	1,342	
Other Crops										
Flowers, Cut or Edible	16	17	16	9	9	10	9	11	25	
Cover Crop	171	218	361	157	369	577	303	1,712	4	
Hops	54	65	66	58	156	203	190	210	214	
Mushrooms*	6	1	<1	<1	<1	1	1	2	3	
Seed Crops	119	88	139	353	391	463	266	102	197	
Mixed/Other Vegetable	30	46	20	5	23	23	25	27	14	
Beets	17	20	50	25	62	40	35	35	22	
Carrot	61		60	158	138	120	64		77	
Spinach	11	22	1		-	10	21		1	
Onion				3	1		118			
Pumpkin									11	
Grass				158	148	144			71	
Other Seed			8	4	19	126	3	40	1	
Greenhouse/Nursery	4	3	6	15.4	12	15	16	104	121	
Mixed Horticulture	57	12	10	14	16	5	50	9	5	
Wild craft	360	362	375	375	403	360	282	90		
Other & Unspecified	-	45	12	-	80	375	75	93		
Total Other Crops	787	811	986	982	1,437	2,009	1,192	2,333	569	
Other Land										
Fallow/Summer Fallow	9,819	15,303	14,256	7,697	6,751	4,111	3,072	3,309	66	
CRP, CREP land	-	!	1,512	-	-	-	200	200		
Timber/Woods	925	931	864	524	478	510	737	768	780	
Other & Unspecified	60	295	164	208	56	1	70	77	2	
Undefined Acreage	4,848	3,141	2,868	2,259	1,522	922	674	143	8,292	677
Total Other Land	15,652	19,670	19,664	10,688	8,807	5,544	4,753	4,497	9,139	677
*Certified mushrooms are prod	uced in WA	but individ	dual farm p	roduction a	reas can b	e small and	not entere	ed in databa	ase.	

Table 3. Number of certified organic producer operations and area in Washington by county, 2016.

	No	o. of produce	rs¹	Area (a	cres) <sup>2</sup>		ercent
County	C <sub>P</sub>	Cs	T Only	С	T	C Farms	C Area
Adams	22	5	1	4,933	824	2.8	4.6
Asotin							
Benton	24	1	2	6,819	473	3.0	6.4
Chelan	45	3	3	1,633	372	5.6	1.5
Columbia							
Douglas	31		4	2,492	428	3.9	2.3
Ferry	1			2		0.1	0.0
Franklin	33		7	5,511	1,845	4.1	5.2
Garfield							
Grant	98	6	7	31,255	2,674	12.3	29.2
Kittitas	3	1		1,098		0.4	1.0
Klickitat	18	1		2,780	24	2.3	2.6
Lincoln	3	1		1,360	190	0.4	1.3
Okanogan	70		6	4,431	558	8.8	4.1
Pend Oreille							
Spokane	9			497		1.1	0.5
Stevens	25			2,449		3.1	2.3
Walla Walla	13	1		2,388		1.6	2.2
Whitman	4			413		0.5	0.4
Yakima	90	2	3	5,460	344	11.3	5.1
East of Cascades	489	(21)	33	73,521	7,732	61.4	68.7
Clallam	13			1,423		1.6	1.3
Clark	13			381		1.6	0.4
Cowlitz							
Grays Harbor	5	2		1,298	-	0.6	1.2
Island	11			380		1.4	0.4
Jefferson	14	1		1,385		1.8	1.3
King	34	2		3,567	21	4.3	3.3
Kitsap	8			113		1.0	0.1
Lewis	33	2					- C O
		_		6,336	309	4.1	5.9
Mason	2			6,336	309	4.1 0.3	0.0
Mason	2			39		0.3	0.0
Mason Pacific	2 4	 1		39 351		0.3 0.5	0.0 0.3
Mason Pacific Pierce	2 4 18	 1 1		39 351 1,492	  5	0.3 0.5 2.3	0.0 0.3 1.4
Mason Pacific Pierce San Juan	2 4 18 8	1 1 	  	39 351 1,492 323	  5 9	0.3 0.5 2.3 1.0	0.0 0.3 1.4 0.3
Mason Pacific Pierce San Juan Skagit	2 4 18 8 55	1 1  2	   1	39 351 1,492 323 7,844	  5 9 68	0.3 0.5 2.3 1.0 6.9	0.0 0.3 1.4 0.3 7.3
Mason Pacific Pierce San Juan Skagit Skamania	2 4 18 8 55 3	1 1  2	   1	39 351 1,492 323 7,844 103	 5 9 68 	0.3 0.5 2.3 1.0 6.9 0.4	0.0 0.3 1.4 0.3 7.3 0.1
Mason Pacific Pierce San Juan Skagit Skamania Snohomish	2 4 18 8 55 3 23	 1 1  2  1	   1	39 351 1,492 323 7,844 103 2,255	 5 9 68 	0.3 0.5 2.3 1.0 6.9 0.4 2.9	0.0 0.3 1.4 0.3 7.3 0.1 2.1
Mason Pacific Pierce San Juan Skagit Skamania Snohomish Thurston	2 4 18 8 55 3 23 26	 1 1  2  1	   1  	39 351 1,492 323 7,844 103 2,255 2,840	 5 9 68  	0.3 0.5 2.3 1.0 6.9 0.4 2.9 3.3	0.0 0.3 1.4 0.3 7.3 0.1 2.1 2.7
Mason Pacific Pierce San Juan Skagit Skamania Snohomish Thurston Wahkiakum	2 4 18 8 55 3 23 26 2	 1 1  2  1 1	   1  	39 351 1,492 323 7,844 103 2,255 2,840 674	 5 9 68  	0.3 0.5 2.3 1.0 6.9 0.4 2.9 3.3 0.3	0.0 0.3 1.4 0.3 7.3 0.1 2.1 2.7 0.6

<sup>1</sup>C = Certified organic and T= Transition to organic. Values were based on total site area and did not included double crop acres. 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<sub>P"</sub> indicates a producer's primary county. "C<sub>S"</sub> 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<sub>P</sub>).

<sup>2</sup>Acres based on site area (did not include double crop acres).

Table 4. Number of certified organic producer operations in Washington by county: 2008-2016.

				Numbe	r of Certifi	ed Produc	ers		
County	2008	2009	2010	2011	2012	2013	2014	2015	P/(S) 2016 <sup>1</sup>
Adams	7	10	10	9	9	12	10	10	22 (5)
Asotin	1	1	1	1	1	1			
Benton	27	28	30	27	26	25	27	26	24 (1)
Chelan	49	51	50	51	44	40	42	44	45 (3)
Columbia									
Douglas	27	29	28	28	28	28	29	29	31
Ferry				1	1	2	1	1	1
Franklin	22	31	32	31	31	29	29	31	33
Garfield	1	1							
Grant	64	88	91	87	87	83	85	90	98 (6)
Kittitas	4	4	3	5	6	4	3	3	3 (1)
Klickitat	13	17	18	19	21	17	17	17	18 (1)
Lincoln	4	6	5	4	4	3	3	3	3 (1)
Okanogan	60	61	58	57	61	67	63	66	70
Pend Oreille									
Spokane	4	5	5	10	12	10	8	10	9
Stevens	23	23	21	21	21	22	22	24	25
Walla Walla	13	9	9	12	13	13	13	12	13 (1)
Whitman	7	8	7	6	5	4	3	3	4
Yakima	108	109	103	94	94	91	92	88	90 (2)
East of Cascades	434	481	471	463	464	451	447	457	489 (21)
Clallam	11	11	11	12	13	13	12	12	13
Clark	14	15	15	14	15	15	15	14	13
Cowlitz	1	2	2	2	2	1	1		
Grays Harbor	6	6	6	7	7	6	5	5	5 (2)
Island	7	7	9	11	9	8	9	9	11
Jefferson	11	12	13	13	11	10	10	13	14 (1)
King	24	26	24	22	26	23	22	24	34 (2)
Kitsap	6	7	7	7	7	7	7	6	8
Lewis	26	25	25	25	26	26	25	30	33 (2)
Mason	1	2	2	3	3	3	2	2	2
Pacific	4	4	1	1	1	1	1	1	4 (1)
Pierce	8	9	10	11	13	15	16	15	18 (1)
San Juan	10	11	11	10	11	8	6	8	8
Skagit	41	43	44	44	43	43	40	45	55 (2)
Skamania	2	5	2	2	2	3	2	2	3
Snohomish	19	21	21	21	17	20	23	18	23 (1)
Thurston	25	23	24	25	25	23	22	27	26 (1)
Wahkiakum	3	3	3	2	3	3	3	2	2
Whatcom	36	40	34	34	33	33	32	34	36
West of Cascades	255	272	264	266	267	261	253	267	308 (13)
State Total Combined certifier dat	689	753	735	729	731	712	700	724	797 (34)

Combined certifier data. <sup>1</sup>"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).

Table 5. Certified organic area in Washington by county: 2008-2016.

					Area (a	acres)		Area (acres)											
County	2008	2009	2010	2011	2012	2013	2014	2015	2016	±15-16									
Adams	3,145	4,217	5,914	2,506	2,483	3,258	2,688	2,745	4,933	2,188									
Asotin	800	800	800	800	800	800	·		·										
Benton	13,121	13,033	9,202	8,699	7,805	5,975	6,385	6,868	6,819	-49									
Chelan	1,992	2,504	2,012	2,207	1,763	1,639	1,687	1,715	1,633	-82									
Columbia																			
Douglas	5,002	5,688	4,202	2,200	2,368	2,289	2,238	2,056	2,492	436									
Ferry				4	4	5	2	2	2	0									
Franklin	3,030	3,749	3,573	3,320	3,247	3,045	3,240	3,593	5,511	1,918									
Garfield	328	328																	
Grant	18,519	20,859	23,796	23,360	21,996	19,509	21,677	24,767	31,255	6,488									
Kittitas	124	124	133	219	199	1,012	1,013	975	1,098	123									
Klickitat	2,390	3,032	3,359	4,071	3,419	3,052	2,524	2,799	2,780	-19									
Lincoln	1,079	7,876	7,748	1,961	2,433	1,588	1,652	1,387	1,360	-27									
Okanogan	4,396	4,000	4,055	3,926	3,710	3,827	3,823	4,103	4,431	328									
Pend Oreille																			
Spokane	95	95	87	85	975	932	921	1,204	497	-707									
Stevens	2,252	2,225	2,176	2,117	2,103	2,559	2,569	2,416	2,449	33									
Walla Walla	1,295	1,649	1,793	2,328	2,240	2,278	2,243	2,120	2,388	268									
Whitman	153	165	75	64	64	59	46	116	413	297									
Yakima	8,277	8,012	6,263	5,419	5,663	5,093	4,922	5,134	5,460	326									
East of Cascades	65,999	78,356	75,188	63,286	61,272	56,920	57,630	62,000	73,521	11,521									
East of Cascades Clallam	65,999 420	78,356 420	75,188 458	63,286 455	61,272 448	56,920 448	57,630 779	62,000 748	73,521 1,423	11,521 675									
	-	-		-	-			,	•										
Clallam	420	420	458	455	448	448	779	748	1,423	675									
Clallam Clark	420 503	420 455	458 651	455 771	448 498	448 560	779 441	748 384	1,423 381	675 -3									
Clallam Clark Cowlitz	420 503 20	420 455 20	458 651 20	455 771 20	448 498 20	448 560 1	779 441 30	748 384 	1,423 381 	675 -3 									
Clallam Clark Cowlitz Grays Harbor	420 503 20 1,300	420 455 20 1,263	458 651 20 1,417	455 771 20 1,316	448 498 20 1,465	448 560 1 1,390	779 441 30 673	748 384  677	1,423 381  1,298	675 -3  621									
Clallam Clark Cowlitz Grays Harbor Island	420 503 20 1,300 279	420 455 20 1,263 275	458 651 20 1,417 288	455 771 20 1,316 291	448 498 20 1,465 294	448 560 1 1,390 258	779 441 30 673 284	748 384  677 342	1,423 381  1,298 380	675 -3  621 38									
Clallam Clark Cowlitz Grays Harbor Island Jefferson	420 503 20 1,300 279 939	420 455 20 1,263 275 961	458 651 20 1,417 288 824	455 771 20 1,316 291 810	448 498 20 1,465 294 756	448 560 1 1,390 258 819	779 441 30 673 284 876	748 384  677 342 841	1,423 381  1,298 380 1,385	675 -3  621 38 544									
Clallam Clark Cowlitz Grays Harbor Island Jefferson King	420 503 20 1,300 279 939 3,040	420 455 20 1,263 275 961 3,117	458 651 20 1,417 288 824 2,940	455 771 20 1,316 291 810 2,959	448 498 20 1,465 294 756 3,321	448 560 1 1,390 258 819 3,306	779 441 30 673 284 876 3,062	748 384  677 342 841 3,456	1,423 381  1,298 380 1,385 3,567	675 -3  621 38 544 111									
Clallam Clark Cowlitz Grays Harbor Island Jefferson King Kitsap	420 503 20 1,300 279 939 3,040 109	420 455 20 1,263 275 961 3,117 113	458 651 20 1,417 288 824 2,940 111	455 771 20 1,316 291 810 2,959 111	448 498 20 1,465 294 756 3,321 127	448 560 1 1,390 258 819 3,306 127	779 441 30 673 284 876 3,062 118	748 384  677 342 841 3,456 112	1,423 381  1,298 380 1,385 3,567 113	675 -3  621 38 544 111									
Clallam Clark Cowlitz Grays Harbor Island Jefferson King Kitsap Lewis	420 503 20 1,300 279 939 3,040 109 4,777	420 455 20 1,263 275 961 3,117 113 4,357	458 651 20 1,417 288 824 2,940 111 4,585	455 771 20 1,316 291 810 2,959 111 4,271	448 498 20 1,465 294 756 3,321 127 4,233	448 560 1 1,390 258 819 3,306 127 4,362	779 441 30 673 284 876 3,062 118 4,213	748 384  677 342 841 3,456 112 5,405	1,423 381  1,298 380 1,385 3,567 113 6,336	675 -3  621 38 544 111 1 931									
Clallam Clark Cowlitz Grays Harbor Island Jefferson King Kitsap Lewis Mason	420 503 20 1,300 279 939 3,040 109 4,777	420 455 20 1,263 275 961 3,117 113 4,357 21	458 651 20 1,417 288 824 2,940 111 4,585 21	455 771 20 1,316 291 810 2,959 111 4,271 22	448 498 20 1,465 294 756 3,321 127 4,233 44	448 560 1 1,390 258 819 3,306 127 4,362 44	779 441 30 673 284 876 3,062 118 4,213 40	748 384  677 342 841 3,456 112 5,405 39	1,423 381  1,298 380 1,385 3,567 113 6,336 39	675 -3  621 38 544 111 1 931									
Clallam Clark Cowlitz Grays Harbor Island Jefferson King Kitsap Lewis Mason Pacific	420 503 20 1,300 279 939 3,040 109 4,777 17 500	420 455 20 1,263 275 961 3,117 113 4,357 21 500	458 651 20 1,417 288 824 2,940 111 4,585 21	455 771 20 1,316 291 810 2,959 111 4,271 22	448 498 20 1,465 294 756 3,321 127 4,233 44	448 560 1 1,390 258 819 3,306 127 4,362 44	779 441 30 673 284 876 3,062 118 4,213 40	748 384  677 342 841 3,456 112 5,405 39 10	1,423 381  1,298 380 1,385 3,567 113 6,336 39 351	675 -3  621 38 544 111 1 931  341									
Clallam Clark Cowlitz Grays Harbor Island Jefferson King Kitsap Lewis Mason Pacific Pierce	420 503 20 1,300 279 939 3,040 109 4,777 17 500 885	420 455 20 1,263 275 961 3,117 113 4,357 21 500 899	458 651 20 1,417 288 824 2,940 111 4,585 21 10	455 771 20 1,316 291 810 2,959 111 4,271 22 10 1,148	448 498 20 1,465 294 756 3,321 127 4,233 44 10 1,539	448 560 1 1,390 258 819 3,306 127 4,362 44 10 1,738	779 441 30 673 284 876 3,062 118 4,213 40 10 1,726	748 384  677 342 841 3,456 112 5,405 39 10 1,379	1,423 381  1,298 380 1,385 3,567 113 6,336 39 351 1,492	675 -3  621 38 544 111 1 931  341 113									
Clallam Clark Cowlitz Grays Harbor Island Jefferson King Kitsap Lewis Mason Pacific Pierce San Juan	420 503 20 1,300 279 939 3,040 109 4,777 17 500 885 253	420 455 20 1,263 275 961 3,117 113 4,357 21 500 899 421	458 651 20 1,417 288 824 2,940 111 4,585 21 10 1,111 396	455 771 20 1,316 291 810 2,959 111 4,271 22 10 1,148 371	448 498 20 1,465 294 756 3,321 127 4,233 44 10 1,539 304	448 560 1 1,390 258 819 3,306 127 4,362 44 10 1,738 192	779 441 30 673 284 876 3,062 118 4,213 40 10 1,726 142	748 384  677 342 841 3,456 112 5,405 39 10 1,379 178	1,423 381  1,298 380 1,385 3,567 113 6,336 39 351 1,492 323	675 -3 621 -38 -544 111 341 341 145									
Clallam Clark Cowlitz Grays Harbor Island Jefferson King Kitsap Lewis Mason Pacific Pierce San Juan Skagit	420 503 20 1,300 279 939 3,040 109 4,777 17 500 885 253 4,825	420 455 20 1,263 275 961 3,117 113 4,357 21 500 899 421 5,820	458 651 20 1,417 288 824 2,940 111 4,585 21 10 1,111 396 5,579	455 771 20 1,316 291 810 2,959 111 4,271 22 10 1,148 371 5,627	448 498 20 1,465 294 756 3,321 127 4,233 44 10 1,539 304 6,015	448 560 1 1,390 258 819 3,306 127 4,362 44 10 1,738 192 6,107	779 441 30 673 284 876 3,062 118 4,213 40 10 1,726 142 6,135	748 384  677 342 841 3,456 112 5,405 39 10 1,379 178 6,737	1,423 381  1,298 380 1,385 3,567 113 6,336 39 351 1,492 323 7,844	675 -3 621 -38 -544 -111 -1 931 341 -113 -145 -1,107									
Clallam Clark Cowlitz Grays Harbor Island Jefferson King Kitsap Lewis Mason Pacific Pierce San Juan Skagit Skamania	420 503 20 1,300 279 939 3,040 109 4,777 17 500 885 253 4,825 59	420 455 20 1,263 275 961 3,117 113 4,357 21 500 899 421 5,820 121	458 651 20 1,417 288 824 2,940 111 4,585 21 10 1,111 396 5,579 79	455 771 20 1,316 291 810 2,959 111 4,271 22 10 1,148 371 5,627 80	448 498 20 1,465 294 756 3,321 127 4,233 44 10 1,539 304 6,015 68	448 560 1 1,390 258 819 3,306 127 4,362 44 10 1,738 192 6,107 98	779 441 30 673 284 876 3,062 118 4,213 40 10 1,726 142 6,135 94	748 384  677 342 841 3,456 112 5,405 39 10 1,379 178 6,737 100	1,423 381  1,298 380 1,385 3,567 113 6,336 39 351 1,492 323 7,844 103	675 -3 621 -38 -544 -111 -1 -331341 -113 -145 -1,107 -3									
Clallam Clark Cowlitz Grays Harbor Island Jefferson King Kitsap Lewis Mason Pacific Pierce San Juan Skagit Skamania Snohomish	420 503 20 1,300 279 939 3,040 109 4,777 17 500 885 253 4,825 59 2,122	420 455 20 1,263 275 961 3,117 113 4,357 21 500 899 421 5,820 121 1,417	458 651 20 1,417 288 824 2,940 111 4,585 21 10 1,111 396 5,579 79 755	455 771 20 1,316 291 810 2,959 111 4,271 22 10 1,148 371 5,627 80 1,235	448 498 20 1,465 294 756 3,321 127 4,233 44 10 1,539 304 6,015 68 1,102	448 560 1 1,390 258 819 3,306 127 4,362 44 10 1,738 192 6,107 98 1,156	779 441 30 673 284 876 3,062 118 4,213 40 10 1,726 142 6,135 94 1,243	748 384  677 342 841 3,456 112 5,405 39 10 1,379 178 6,737 100 1,164	1,423 381  1,298 380 1,385 3,567 113 6,336 39 351 1,492 323 7,844 103 2,255	675 -3 621 -38 -544 111 341 341 345 1,107 3 1,091									
Clallam Clark Cowlitz Grays Harbor Island Jefferson King Kitsap Lewis Mason Pacific Pierce San Juan Skagit Skamania Snohomish Thurston	420 503 20 1,300 279 939 3,040 109 4,777 17 500 885 253 4,825 59 2,122 2,818	420 455 20 1,263 275 961 3,117 113 4,357 21 500 899 421 5,820 121 1,417 2,367	458 651 20 1,417 288 824 2,940 111 4,585 21 10 1,111 396 5,579 79 755 2,451	455 771 20 1,316 291 810 2,959 111 4,271 22 10 1,148 371 5,627 80 1,235 2,694	448 498 20 1,465 294 756 3,321 127 4,233 44 10 1,539 304 6,015 68 1,102 2,553	448 560 1 1,390 258 819 3,306 127 4,362 44 10 1,738 192 6,107 98 1,156 2,658	779 441 30 673 284 876 3,062 118 4,213 40 10 1,726 142 6,135 94 1,243 1,990	748 384  677 342 841 3,456 112 5,405 39 10 1,379 178 6,737 100 1,164 2,287	1,423 381  1,298 380 1,385 3,567 113 6,336 39 351 1,492 323 7,844 103 2,255 2,840	675 -3 621 -38 -544 111 341 341 345 1,107 3 1,091									
Clallam Clark Cowlitz Grays Harbor Island Jefferson King Kitsap Lewis Mason Pacific Pierce San Juan Skagit Skamania Snohomish Thurston Wahkiakum	420 503 20 1,300 279 939 3,040 109 4,777 17 500 885 253 4,825 59 2,122 2,818 651	420 455 20 1,263 275 961 3,117 113 4,357 21 500 899 421 5,820 121 1,417 2,367 738	458 651 20 1,417 288 824 2,940 111 4,585 21 10 1,111 396 5,579 79 755 2,451 737	455 771 20 1,316 291 810 2,959 111 4,271 22 10 1,148 371 5,627 80 1,235 2,694 671	448 498 20 1,465 294 756 3,321 127 4,233 44 10 1,539 304 6,015 68 1,102 2,553 745	448 560 1 1,390 258 819 3,306 127 4,362 44 10 1,738 192 6,107 98 1,156 2,658 745	779 441 30 673 284 876 3,062 118 4,213 40 10 1,726 142 6,135 94 1,243 1,990 768	748 384 677 342 841 3,456 112 5,405 39 10 1,379 178 6,737 100 1,164 2,287 674	1,423 381  1,298 380 1,385 3,567 113 6,336 39 351 1,492 323 7,844 103 2,255 2,840 674	675 -3 621 -38 -544 -111 -1 -931341 -113 -145 -1,107 -3 -1,091 -553									
Clallam Clark Cowlitz Grays Harbor Island Jefferson King Kitsap Lewis Mason Pacific Pierce San Juan Skagit Skamania Snohomish Thurston Wahkiakum Whatcom	420 503 20 1,300 279 939 3,040 109 4,777 17 500 885 253 4,825 59 2,122 2,818 651 3,042	420 455 20 1,263 275 961 3,117 113 4,357 21 500 899 421 5,820 121 1,417 2,367 738 3,321	458 651 20 1,417 288 824 2,940 111 4,585 21 10 1,111 396 5,579 79 755 2,451 737 2,932	455 771 20 1,316 291 810 2,959 111 4,271 22 10 1,148 371 5,627 80 1,235 2,694 671 3,038	448 498 20 1,465 294 756 3,321 127 4,233 44 10 1,539 304 6,015 68 1,102 2,553 745 3,258	448 560 1 1,390 258 819 3,306 127 4,362 44 10 1,738 192 6,107 98 1,156 2,658 745 3,929	779 441 30 673 284 876 3,062 118 4,213 40 10 1,726 142 6,135 94 1,243 1,990 768 4,594	748 384 677 342 841 3,456 112 5,405 39 10 1,379 178 6,737 100 1,164 2,287 674 4,555	1,423 381  1,298 380 1,385 3,567 113 6,336 39 351 1,492 323 7,844 103 2,255 2,840 674 2,678	675 -3 621 38 544 111 1 931 341 113 145 1,107 3 1,091 5531,877									

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

				Eastern Was	hington Farm	gate Value (\$)				
County	2009	2010	2011	2012	2013	2014	2015	2016	% Sales	%± 15-16
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	7.8	57
Asotin	(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	10.1	22
Chelan, Douglas	23,932,300	24,111,199	27,518,678	31,818,755	41,293,785	43,239,154	61,745,595	49,046,353	7.5	-21
Columbia	(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	7	16
Garfield	(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	29.8	17
Kittitas	41,584	169,558	83,265	95,997	172,101	171,147	40,000	95,828	0.01	140
Klickitat	5,792,017	6,645,054	8,411,142	6,475,147	5,876,317	9,038,215	9,724,736	11,469,159	1.7	18
Lincoln	297,440	367,120	446,298	175,300	253,142	365,647	926,934	(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	7.7	1
Pend Oreille	(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	0.04	50
Stevens	390,822	468,898	503,562	644,607	726,703	1,064,080	1,043,014	1,098,371	0.2	5
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	8.2	16
Whitman	70,512	100,056	111,032	99,039	108,186	95,980	192,197	98,974	0.02	-49
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	7.9	-7
East of Cascades	164,634,092	185,408,918	234,625,546	296,070,971	374,178,890	434,081,017	519,300,933	575,290,731	88	11
West of Cascades	46,070,879	52,305,399	49,827,602	59,469,172	61,327,505	62,385,889	72,818,671	77,044,573	12	6
State Total	210,704,971	237,714,317	284,453,148	355,540,144	435,506,395	496,466,906	592,119,604	652,335,304	100	10

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. Values may not include income from producers who may report all sales as processors.

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

	Western Washington Farmgate Value (\$)										
County	2009	2010	2011	2012	2013	2014	2015	2016	% Sales	% ± 15-16	
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	0.2	16	
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	0.2	-6	
Cowlitz	(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			
Island	112,993	247,466	189,899	236,847	167,446	295,906	283,042	392,970	0.1	39	
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	0.3	-39	
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	1.4	49	
Kitsap	262,028	332,138	362,990	365,997	503,220	643,018	725,065	810,057	0.1	12	
Lewis	5,613,327	5,787,645	6,082,515	6,781,391	7,259,315	8,899,534	9,813,156	10,851,286	1.7	11	
Mason	(nr)	3323234	3,930,876	5,143,980	(nr)	(nr)	(nr)	(nr)			
Pacific	(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	0.5	21	
San Juan	111,021	90,628	141,693	64,084	68,177	73,491	46,296	86,954	.01	88	
Skagit	12,011,836	13,177,534	11,520,913	14,238,853	16,080,706	16,749,949	20,929,398	22,616,081	3.4	8	
Skamania	(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	5,871,890	0.9	94	
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	1.5	4	
Wahkiakum	694,973	(nr)	760,876	(825972)	(875553)	(904200)	(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	0.8	-49	
	2009	2010	2011	2012	2013	2014	2015	2016	%	%± 15-16	
East of Cascades	164,634,092	185,408,918	234,625,546	296,070,971	374,178,890	434,081,017	519,300,933	575,290,731	88	11	
West of Cascades	46,070,879	52,305,399	49,827,602	59,469,172	61,327,505	62,385,889	72,818,671	77,044,573	12	6	
State Total	210,704,971	237,714,317	284,453,148	355,540,144	435,506,395	496,466,906	592,119,604	652,335,304	100	10	

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. Values may not include income from producers who may report all sales as processors.

Table 7. Certified organic dairy producer and livestock numbers, 2006-2016.

	Number certified									
	2006	2008	2010	2012	2013	2014	2015	2016		
Organic dairies	23	46	34	34	36	38	39	45		
Milkers and dry cows	2,970	9,022	5,898	6,311	7,095	7,505	8,290	9,012		
Calves and replacement heifers	2,180	7,022	4,154	4,922	4,302	5,514	5,308	6,033		
Total	5,150	16,044	10,052	11,233	11,397	13,091	13,598	15,045		
In addition to 45 cow dairies, 1 goat dairy was certified organic in 2016.										

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