

Certified Organic Acreage and Sales in Washington State: 2013

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

Contact information:

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

Table of Contents

Introduction and Approach	2
Table 1. Summary of certified organic acreage in Washington, 2006-2013	3
Table 2. Certified organic acres in Washington, by specific crop, 2006-2013	4
Table 3. Number of certified organic farms and acres in Washington, by county, 2013	9
Table 4. Number of certified organic farms in Washington, by county, 2005-2013	10
Table 5. Certified organic acres in Washington, by county, 2005-2013	11
Table 6. Estimated WSDA and OTCO certified farmgate sales of organic crop and livestock products in Washington, by region	12
Acknowledgements	13
References	13

Citation: Kirby, E. and Granatstein, D. 2014. Certified organic acreage and sales in Washington State: 2013. Organic Trends series, Center for Sustaining Agriculture and Natural Resources, Washington State University, Wenatchee, WA. http://csanr.wsu.edu/pages/Organic_Statistics

Introduction and Approach

WSU-CSANR has compiled state organic crop acreage statistics since 2004, providing annual updates containing current, detailed information for use in farm and business planning, decision making, and risk management. 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) has typically certified 5-8% of the acreage; a few additional certifiers, such as International Certification Services (ICS), California Certified Organic Farmers (CCOF), and Quality Assurance International (QAI), among others, certified the balance. This publication contains a series of tables with numerical data on organic acreage (2006-2013), farm number (2005-2013), and sales (2006-2012). For related graphical presentations go to the on-line powerpoints posted at http://csanr.wsu.edu/pages/Organic_Statistics.

The USDA Economic Research Service (USDA-ERS) and National Agricultural Statistics Service (USDA-NASS) have also collected state and national information on organic crops when funding has been available; however, publication has typically lagged behind production year. The ERS data are based on certifier-reported values and limited by category, with apples being the sole segregated tree fruit, for example (ERS 2013). NASS administered the 2008 Organic Production Survey (OPS) (NASS 2010) and the 2011 Certified Organic Production Survey (COPS) (NASS 2013). The 2008 OPS included both certified and exempt producers; data reported here are for certified producers only. The 2011 survey included only certified producers, but participation was voluntary. The total number of certified farms in Washington that responded to the COPS (493) was significantly lower than the totals provided directly by the certifiers (729), suggesting that the data are incomplete.

The goal of the CSANR organic statistics reports is to provide timely, detailed, and accurate data regarding certified organic farms in the state to the extent possible. Since certifiers must verify acreage, crops, and sales as part of their National Organic Program (NOP) process, their data should be the most accurate available. However, there are some known inconsistencies. For example, the reporting form for sales and yields has changed over the years, and growers have not been entirely clear on what to report. Some growers have reported sales only for those crops sold as organic, while others have reported sales from all certified organic land. There are known cases where organically grown crops are sold into conventional markets, especially in the tree fruit sector. Thus, the sales data provide an estimate of the total sales from producers in the state.

The acreage numbers present a reliable picture of certified organic crop production in the state. However, growers are not required to register transition acreage (as of 2002), and the reported transition numbers may underestimate the actual total. Transition acres (land currently managed as organic that has not met the USDA National Organic Program 3-year period of no prohibited materials) are reported here where producers and certifiers opted to provide it. Historically, a large proportion of the reported transition acres has been tree fruit acres. 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.

Table 1 provides an overview of acreage of the major crop categories from 2006-2013. Forage, tree fruit, and vegetables have been the leading categories (% of total column). Certified acreage in the state peaked in 2009 and has gradually declined each year since. Total area (absolute acres certified) is distinguished from planted or harvested acres 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. Specific 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. Some small, diversified farms 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 2013. The percent columns describe what percent of certified farm numbers and acres are within that county (given the caveat above about sites not always being tied to actual county), and are ordered alphabetically first for counties east of the Cascades, and then 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 the change in certified farm number and acreage by county over time.

Table 6 presents the farmgate sales estimates as reported by producers. These numbers do not include handler or processor operations, but may include some value added products from the farm itself. As described above, these are estimates, given the variability in reporting by growers and the nature of a particular crop. 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. Due to confidentiality requirements, some county sales values are amalgamated with other counties, and this has changed over time with the number of farms reporting.

The values reported here were compiled from data provided by multiple certifiers, based on farm certification records. All data presented are from certifying bodies accredited by the USDA National Organic Program (NOP). This current report covers acreage through calendar year 2013, and sales through the end of 2012, as reported by producers. Data from WSDA were extracted in November 2013. Dairy information is not included in these tables; for past dairy information see 2010 tables on line. Further detailed organic statistical information compiled by WSU-CSANR is posted online at http://csanr.wsu.edu/pages/Organic_Statistics.

Table 1. Summary of certified organic acreage in Washington, 2006-2013.
(Combined certifier information; C=Certified organic and T=Transition to organic acres).

Category	Acres									% Diff 12-13	% of Total C2013
	C2006	C2007	C2008	C2009	C2010	C2011	C2012	C2013	T2013		
Forage	17,321	26,091	30,031	32,659	27,753	26,823	28,949	29,642	219	2%	34%
Tree Fruit	10,110	10,959	16,983	21,862	20,662	19,592	18,855	19,139	614	2%	22%
Vegetables	15,466	20,042	19,836	15,668	13,263	15,194	15,586	16,326	24	5%	19%
Grains, Dry Beans, Oilseeds	5,240	5,276	8,508	13,084	14,540	10,991	9,867	8,530	40	-14%	10%
Small Fruit, Grapes, Nuts	2,847	3,014	3,205	3,392	3,707	4,276	4,176	4,214	310	1%	5%
Herbs	1,012	1,267	1,137	1,190	1,358	1,565	1,585	1,407	--	-11%	2%
Other Crops	821	730	787	811	986	979	1,436	2,009	--	40%	2%
Fallow	3,840	6,918	9,819	15,303	15,769	7,697	6,751	4,111	179	-39%	5%
Other Non-crop Land	442	423	985	1,226	1,027	732	534	511	--	-4%	1%
Undefined Land	7,226	6,752	4,848	3,141	2,868	2,259	1,522	922	--	--	1%
Total acres with double crop	64,325	81,472	96,139	108,336	101,933	90,108	89,261	86,811	1,386	-3%	
Total area	61,540	78,529	92,555	104,962	100,553	89,186	88,072	84,868	1,386	-4%	--
Annual % Change	39%	27%	18%	13%	-4%	-11%	-1%	-3.6%	--	--	--
No. of producers	554-26	629-71	689-53	753-10	735-5	729-2	731-3	712	4	-3%	--

Total 2013 certified land area is 84,868 including 922 ac undefined land (either not cropped or from multiple small cropped sites not entered into crop data base). Vegetable category includes melons. Certified acre totals include double crop. 2006-2013 crop data include WSDA, OTCO, ICS and CCOF; farm number also includes farms certified by Stellar Certification Services (5) and QAI (1). Crop data not included for 4 farms. Data do not include non-certified exempt farms. The numbers of producers in red font are farms in transition to organic with no certified organic land. Totals may not add exactly due to decimal rounding.

Table 2. Certified organic acres in Washington, by specific crop, 2006-2013.

Forage	Acres								
	C 2006	C 2007	C 2008	C 2009	C 2010	C 2011	C 2012	C2013	T2013
Hay*	6,513	11,313	16,454	18,532	17,022	18,459	19,235	19,288	209
<i>Alfalfa</i>	1,655	2,783	4,527	4,628	2,888	2,626	2,504	2,046	86
<i>Mixed (alfalfa-grass)</i>	892	783	1,626	1,731	1,401	1,286	779	190	--
<i>Grass and mixed grass</i>	1,394	2,552	5,133	4,316	5,127	5,358	4,739	4,890	123
<i>Small Grain</i>	116	285	516	449	386	529	190	110	--
<i>Unspecified</i>	2,456	4,911	4,652	7,408	7,220	8,660	11,023	12,052	--
Corn Silage	157	948	166	1,020	459	490	664	858	--
Pasture	10,651	13,831	13,411	13,085	10,271	7,874	9,049	9,308	10
Forage, NS	--	--	--	22	--	--	--	188	--
Total Forage	17,321	26,092	30,031	32,659	27,752	26,823	28,949	29,642	219

*Includes ground with any cut hay, haylage, silage etc.; acreages only counted once. Of total 2013 hay ground, an estimated 32% of hay ground acres are also used as pasture but not counted as double crop. C=Certified organic; T=Transition. 2006-2013 values include WSDA, ICS, QAI, OTCO, CCOF data.

Dry Beans/Pulses	C 2006	C 2007	C 2008	C 2009	C 2010	C 2011	C 2012	C2013	T2013
Pea	--	28	87	167	252	58	189	76	--
Lentil	--	--	75	--	--	--	--	--	--
White kidney	90	52	--	19	15	24	--	--	--
Fava	--	--	1	1	1	1	--	--	--
Pinto	15	15	20	170	505	130	588	542	--
Black	--	--	--	--	865	13	--	23	--
Other & Unspecified	453	377	481	933	1,823	1,320	510	276	--
Total Pulse	558	472	664	1,290	3,461	1,546	1,287	917	--
Grains	C 2006	C 2007	C 2008	C 2009	C 2010	C 2011	C 2012	C2013	T2013
Wheat	2,180	1,860	4,644	7,791	6,526	5,785	5,189	3,929	40
<i>Wheat, hard red</i>	23	75	96	803	1,686	1,140	959	1,260	--
<i>Wheat, soft white</i>	726	384	440	561	447	100	63	273	40
<i>Unspecified & Other</i>	1,256	1,157	3,779	5,524	3,210	3,522	3,576	1,630	--
<i>Einkorn</i>	--	--	--	--	--	--	11	85	--
<i>Emmer</i>	--	60	75	156	170	88	99	142	--
<i>Spelt</i>	175	184	254	747	1,013	935	481	539	--
Corn	1,551	1,970	2,265	2,796	2,672	1,648	1,707	1,531	--
Triticale	513	341	365	705	1,137	940	629	772	--
Rye	51	9	28	131	206	35	4	4	--
Barley	169	62	311	231	151	783	788	962	--
Oats	47	15	112	74	41	162	70	147	--
Buckwheat	11	2	2	--	21	3	--	--	--
Teff	--	30	--	--	50	--	--	--	--
Other & Unspecified	59	--	17	39	145	87	192	160	--
Subtotal Grain	4,580	4,289	7,744	11,767	10,949	9,443	8,579	7,505	40
Unspecified Grains & Dry Beans	--	316	--	19	34	1	--	--	--
Oilseeds	C 2006	C 2007	C 2008	C 2009	C 2010	C 2011	C 2012	C2013	T2013
Canola	7	153	87	--	--	--	--	105	--
Flaxseed	82	25	1	--	90	1	--	--	--
Camelina	5	14	10	8	2	--	1	3	--
Sunflower	--	8	2	--	--	--	--	--	--
Mustard	8	--	--	--	4	--	--	--	--
Total Oilseed	102	200	100	8	96	1	1	108	--

Vegetables	Acres								
	C 2006	C 2007	C 2008	C 2009	C 2010	C 2011	C 2012	C 2013	T2013
Assorted									
Asparagus	47	96	98	84	83	135	159	157	17
Peas	4,721	5,225	5,243	3,256	3,636	3,241	3,975	4,259	--
Pepper	13	22	15	41	32	29	37	44	--
Salad Greens	89	69	35	96	83	86	83	109	--
<i>Lettuce</i>	--	--	29	42	37	35	42	45	--
<i>Spinach</i>	--	--	1	10	15	15	10	25	--
<i>Other, Mixed</i>	--	--	5	44	31	36	31	39	--
Sweet corn	5,916	8,230	7,689	5,528	4,462	6,091	5,178	4,768	--
Tomato	47	40	50	38	39	36	50	31	--
Eggplant	6	7	3	6	6	12	16	9	--
Rhubarb	--	12	12	9	9	14	32	32	--
Mixed & Other	1,035	1,606	1,186	1,084	1,104	1,251	1,851	1,546	5
Allium									
Garlic	19	27	35	35	17	50	34	48	--
Leek	4	95	124	103	135	172	163	148	--
Onion	366	604	1,051	653	408	499	480	664	--
Seed Onion	--	--	--	--	--	3	1	--	--
Other & Unspecified	--	--	9	13	16	9	13	18	--
Beans									
Green, Snap	1,088	1,139	1,432	2,107	1,169	1,602	1,247	1,505	--
Fava, Shell	3	7	2	--	1	1	4	--	--
Lima, Shell	50	180	183	183	215	48	62	268	--
Other, Shell	--	--	30	--	--	5	--	--	--
Brassicac									
Broccoli	25	35	58	32	21	20	10	36	--
Brussels Sprout	--	--	--	--	--	--	4	3	--
Cabbage	22	23	33	29	35	30	23	16	--
Cauliflower	7	8	6	8	8	4	7	8	--
Chard	--	--	--	--	--	--	10	6	--
Kale	--	9	3	15	14	12	11	14	--
Other & Unspecified	3	3	4	9	17	6	2	46	--
Cucurbits									
Cucumbers	114	29	80	79	85	69	65	61	--
Watermelon	23	67	45	34	120	39	52	9	--
Melons, Other	41	43	32	53	35	36	37	41	--
Squash, Mixed	104	147	109	170	152	261	312	373	--
Pumpkins	50	29	68	37	60	77	22	34	--
Roots and Tubers									
Beets	17	18	21	38	46	29	103	100	--
Carrot	300	399	552	217	215	273	280	240	--
Parsnip	4	2	3	2	3	1	4	9	--
Potato	1,347	1,866	1,600	1,697	1,032	1,044	1,253	1,717	2
Seed Potato	--	--	24	4	--	2	2	2	--
Radish	3	4	--	4	4	4	2	3	--
Turnip	2	2	1	4	2	3	1	1	--
Other & Unspecified	--	--	--	--	--	--	1	1	--
Total Vegetables	15,466	20,043	19,836	15,668	12,095	15,194	15,586	16,326	24

Tree Fruit	Acres								
	C 2006	C 2007	C 2008	C 2009	C 2010	C 2011	C 2012	C 2013	T2013
Apple									
Gala	1,543	1,672	2,710	3,458	3,201	3,332	3,207	3,264	112
Red Delicious	914	1,018	1,459	1,630	1,461	1,380	1,337	1,375	8
Fuji	1,201	1,299	2,280	3,045	3,366	3,472	3,449	3,354	79
Golden Types	799	866	1,225	1,557	1,058	988	896	896	75
Granny Smith	969	1,006	1,268	1,700	1,470	1,364	1,274	1,258	4
Braeburn	579	599	956	1,083	884	551	479	443	--
Cripps Pink	638	596	1,047	1,081	1,016	952	828	841	--
Cameo®	210	219	436	436	458	552	399	319	--
Honeycrisp	298	339	756	879	1,099	1,087	1,158	1,587	226
Other & Unspecified	491	404	799	866	777	618	630	693	--
Subtotal	7,642	8,018	12,936	15,735	14,790	14,296	13,657	14,030	504
Pear									
D'Anjou	393	401	519	616	636	614	618	564	23
Bartlett	402	480	591	656	692	629	627	631	12
Bosc	214	218	223	276	301	282	322	310	22
Asian	46	41	43	44	43	33	34	29	--
Red D'Anjou	56	60	67	83	95	94	93	79	--
Concorde	31	44	60	43	31	31	34	34	10
Red Bartlett	38	39	52	88	69	55	40	39	--
Other & Unspecified	71	135	158	158	166	179	132	134	2
Subtotal	1,251	1,418	1,713	1,964	2,033	1,917	1,900	1,820	69
Stone									
Apricot	93	96	107	265	299	296	266	285	--
Cherry	782	1,026	1,738	2,437	2,147	1,827	1,792	1,850	41
Nectarine	68	82	114	472	550	528	488	464	--
Peach	183	193	199	644	701	619	618	594	--
Plum/Prune/Pluot	57	61	97	130	125	92	89	64	--
Other & Unspecified	34	64	79	151	13	17	45	22	--
Subtotal	1,217	1,522	2,334	4,099	3,835	3,379	3,298	3,279	41
Mixed Tree Fruit	--	--	--	64	4	--	--	10	--

Small Fruit	C 2006	C 2007	C 2008	C 2009	C 2010	C 2011	C 2012	C 2013	T2013
Berries									
Blackberry	22	43	69	71	105	137	102	73	--
Blueberry	296	353	481	599	903	1,258	1,379	1,447	194
Cranberry	--	--	--	--	--	--	--	10	--
Raspberry	250	208	166	143	161	180	178	106	--
Strawberry	15	22	21	38	35	44	87	69	--
Other & Unspecified	10	17	20	22	14	30	34	30	--
Subtotal	593	643	757	873	1,218	1,649	1,780	1,735	194

Grapes	Acres								
	C 2006	C 2007	C 2008	C 2009	C 2010	C 2011	C 2012	C 2013	T2013
Juice	1,568	1,676	1,476	1,475	1,581	1,516	1,520	1,521	97
<i>Concord</i>	--	--	--	--	--	1,467	1,467	1,468	82
<i>Niagara</i>	--	--	--	--	--	49	53	53	15
Wine	583	582	881	969	868	1,066	838	916	19
<i>Cabernet Sauvignon</i>	--	--	--	--	--	166	159	179	19
<i>Merlot</i>	--	--	--	--	--	170	70	70	--
<i>Syrah</i>	--	--	--	--	--	65	55	107	--
<i>Red, Other</i>	--	--	--	--	--	51	52	46	--
<i>Riesling</i>	--	--	--	--	--	358	229	257	--
<i>Chardonnay</i>	--	--	--	--	--	174	174	165	--
<i>Gewurztraminer</i>	--	--	--	--	--	18	18	18	--
<i>White, Other</i>	--	--	--	--	--	59	48	46	--
<i>Wine, Unspecified</i>	--	--	--	--	--	5	33	28	--
Table & Unspecified	56	65	35	18	14	13	7	10	--
Subtotal	2,207	2,323	2,392	2,462	2,463	2,599	2,365	2,447	116
Other Fruit									
Kiwi	3	--	3	2	7	2	2	2	--

Nuts	C 2006	C 2007	C 2008	C 2009	C 2010	C 2011	C 2012	C 2013	T2013
Almonds	--	1	6	5	5	9	12	12	--
Chestnuts	2	2	2	2	3	3	3	3	--
Filberts/Hazelnuts	36	37	37	39	2	4	4	4	--
Walnuts	4	4	5	6	6	6	7	8	--
Other & Unspecified	3	5	3	3	3	4	3	3	--
Subtotal	45	48	53	55	19	26	29	30	--
Tree Fruit	2,468	10,959	16,983	21,862	20,662	19,592	18,855	19,139	614
Small Fruit & Nuts	2,848	3,014	3,205	3,392	3,707	4,276	4,176	4,214	310
Total Fruit and Nuts	12,957	13,970	20,188	25,254	24,369	23,868	23,031	23,353	924

Herbs	C 2006	C 2007	C 2008	C 2009	C 2010	C 2011	C 2012	C 2013	T2013
Medicinal	530	518	545	568	487	626	718	547	--
Mint	254	308	199	182	193	258	240	214	--
Culinary	102	212	120	128	165	194	95	138	--
Other & Unspecified	93	187	227	275	474	453	492	474	--
Lavender	33	42	46	37	39	34	40	34	--
Total Herbs	1,012	1,267	1,137	1,190	1,358	1,565	1,585	1,407	--

Other Crops	Acres								
	C 2006	C 2007	C 2008	C 2009	C 2010	C 2011	C 2012	C 2013	T2013
Flowers, cut or edible	6	6	16	17	16	9	9	10	--
Green manure/cover	165	148	171	218	361	157	369	577	--
Hops	7	32	54	65	66	58	156	203	--
Mushrooms*	6	6	6	1	<1	<1	<1	1	--
Seed Crops	127	116	119	88	139	350	390	463	--
<i>Mixed/Other Vegetable</i>	127	116	30	46	20	5	23	23	--
<i>Beets</i>	--	--	17	20	50	25	62	40	--
<i>Carrot</i>	--	--	61	0	60	158	138	120	--
<i>Spinach</i>	--	--	11	22	1	--	--	10	--
<i>Grass</i>	--	--	--	--	--	158	148	144	--
<i>Other Seed</i>	--	--	--	--	8	4	19	126	--
GH/Nursery	--	--	4	3	6	15.4	12	15	--
Mixed Hort	150	--	57	12	10	14	16	5	--
Wildcraft	360	367	360	362	375	375	403	360	--
Other & Unspecified	--	56	--	45	12	--	80	375	--
Total Other Crops	821	731	787	811	986	979	1,436	2,009	--

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

Other Land	C 2006	C 2007	C 2008	C 2009	C 2010	C 2011	C 2012	C 2013	T2013
Fallow/Summer Fallow	3,830	6,918	9,819	15,303	14,256	7,697	6,751	4,111	179
CRP, CREP land	10	--	--	--	1,512	--	--	--	--
Timber/Woods	432	423	925	931	864	524	478	510	--
Other & Unspecified	10	--	60	295	164	208	56	1	--
Undefined land	7,226	6,752	4,848	3,141	2,868	2,259	1,522	922	--
Total Other Land	11,508	14,093	15,652	19,670	19,664	10,688	8,807	5,544	179

Table 3. Number of certified organic farms and acres in Washington, by county, 2013.
(Combined certifiers; C = Certified organic and T= Transition to organic)

County	No. producers 2013		----- Acres -----		----- Percent -----	
	C	T Only	C	T	C Farms	C Area
Adams	12	--	3,258	--	1.7%	3.8%
Asotin	1	--	800	--	0.1%	0.9%
Benton	25	--	5,975	83	3.5%	7.0%
Chelan	40	1	1,639	19	5.6%	1.9%
Columbia	--	--	--	--	--	--
Douglas	28	--	2,289	10	3.9%	2.7%
Ferry	2	--	5	--	0.3%	0.006%
Franklin	29	--	3,045	75	4.1%	3.6%
Garfield	--	--	--	--	--	--
Grant	83	2	19,509	391	11.7%	23.0%
Kittitas	4	--	1,012	--	0.6%	1.2%
Klickitat	17	--	3,052	--	2.4%	3.6%
Lincoln	3	--	1,588	--	0.4%	1.9%
Okanogan	67	--	3,827	464	9.4%	4.5%
Pend'Oreille	--	--	--	--	--	--
Spokane	10	--	932	--	1.4%	1.1%
Stevens	22	--	2,559	--	3.1%	3.0%
Walla Walla	13	--	2,278	--	1.8%	2.7%
Whitman	4	--	59	8	0.6%	0.1%
Yakima	91	--	5,093	153	12.8%	6.0%
East of Cascades	451	3	56,920	1,203	63%	67%
Clallam	13	--	448	--	1.8%	0.5%
Clark	15	1	560	13	2.1%	0.7%
Cowlitz	1	--	1	--	0.1%	0.001%
Grays Harbor	6	--	1,390	--	0.8%	1.6%
Island	8	--	258	--	1.1%	0.3%
Jefferson	10	--	819	--	1.4%	1.0%
King	23	--	3,306	--	3.2%	3.9%
Kitsap	7	--	127	--	1.0%	0.1%
Lewis	26	--	4,362	--	3.7%	5.1%
Mason	3	--	44	--	0.4%	0.1%
Pacific	1	--	10	--	0.1%	0.01%
Pierce	15	--	1,738	--	2.1%	2.0%
San Juan	8	--	192	--	1.1%	0.2%
Skagit	43	--	6,107	150	6.0%	7.2%
Skamania	3	--	98	--	0.4%	0.1%
Snohomish	20	--	1,156	--	2.8%	1.4%
Thurston	23	--	2,658	--	3.2%	3.1%
Wahkiakum	3	--	745	--	0.4%	0.9%
Whatcom	33	--	3,929	20	4.6%	4.6%
West of Cascades	261	1	27,948	183	37%	33%
State Total	712	4	84,868	1,386	--	--

Values were based on land area and did not include double crop acres. T 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 farms in Washington, by county: 2005-2013.
(Combined certifiers; C = Certified organic)

County	----- Number of Producers -----								
	C 2005	C 2006	C 2007	C 2008	C 2009	C 2010	C 2011	C 2012	C 2013
Adams	2	5	6	7	10	10	9	9	12
Asotin	3	2	1	1	1	1	1	1	1
Benton	22	24	26	27	28	30	27	26	25
Chelan	43	46	50	49	51	50	51	44	40
Columbia	--	--	--	--	--	--	--	--	--
Douglas	23	24	27	27	29	28	28	28	28
Ferry	--	--	--	--	--	--	1	1	2
Franklin	10	12	13	22	31	32	31	31	29
Garfield	1	1	1	1	1	--	--	--	--
Grant	45	40	49	64	88	91	87	87	83
Kittitas	2	3	5	4	4	3	5	6	4
Klickitat	14	16	13	13	17	18	19	21	17
Lincoln	4	3	3	4	6	5	4	4	3
Okanogan	46	50	56	60	61	58	57	61	67
Pend'Oreille	--	--	--	--	--	--	--	--	--
Spokane	3	4	4	4	5	5	10	12	10
Stevens	23	21	25	23	23	21	21	21	22
Walla Walla	11	10	13	13	9	9	12	13	13
Whitman	6	4	6	7	8	7	6	5	4
Yakima	81	80	90	108	109	103	94	94	91
East of Cascades	339	345	388	434	481	471	463	464	451
Clallam	9	9	10	11	11	11	12	13	13
Clark	10	11	13	14	15	15	14	15	15
Cowlitz	1	1	1	1	2	2	2	2	1
Grays Harbor	3	7	8	6	6	6	7	7	6
Island	8	6	5	7	7	9	11	9	8
Jefferson	7	9	8	11	12	13	13	11	10
King	18	21	21	24	26	24	22	26	23
Kitsap	6	5	5	6	7	7	7	7	7
Lewis	11	18	24	26	25	25	25	26	26
Mason	3	4	3	1	2	2	3	3	3
Pacific	2	3	4	4	4	1	1	1	1
Pierce	8	7	10	8	9	10	11	13	15
San Juan	7	7	9	10	11	11	10	11	8
Skagit	27	34	38	41	43	44	44	43	43
Skamania	4	3	2	2	5	2	2	2	3
Snohomish	16	13	20	19	21	21	21	17	20
Thurston	17	19	23	25	23	24	25	25	23
Wahkiakum	1	2	3	3	3	3	2	3	3
Whatcom	32	30	34	36	40	34	34	33	33
West of Cascades	190	209	241	255	272	264	266	267	261
State Total	529	554	629	689	753	735	729	731	712

2005 values included data from WSDA, OTCO, ICS, and QAI. CCOF data were added beginning 2006 and Stellar farm numbers beginning in 2012. C farms had certified organic acres but could also include transition land.

Table 5. Certified organic acres in Washington, by county: 2005-2013.

(Combined certifiers; C = Certified organic)

County	----- Acres -----									
	C 2005	C 2006	C 2007	C 2008	C 2009	C 2010	C 2011	C 2012	C 2013	±C12-13
Adams	834	1,468	1,766	3,145	4,217	5,914	2,506	2,483	3,258	775
Asotin	804	802	800	800	800	800	800	800	800	0
Benton	3,135	5,955	11,336	13,121	13,033	9,202	8,699	7,805	5,975	-1,830
Chelan	1,318	1,353	1,426	1,992	2,504	2,012	2,207	1,763	1,639	-124
Columbia	--	--	--	--	--	--	--	--	--	--
Douglas	4,223	4,645	4,990	5,002	5,688	4,202	2,200	2,368	2,289	-79
Ferry	--	--	--	--	--	--	4	4	5	1
Franklin	1,158	1,466	1,229	3,030	3,749	3,573	3,320	3,247	3,045	-202
Garfield	18	328	328	328	328	--	--	--	--	--
Grant	11,286	12,399	15,565	18,519	20,859	23,796	23,360	21,996	19,509	-2,487
Kittitas	64	114	267	124	124	133	219	199	1,012	813
Klickitat	2,336	2,751	2,190	2,390	3,032	3,359	4,071	3,419	3,052	-367
Lincoln	1,075	1,029	1,029	1,079	7,876	7,748	1,961	2,433	1,588	-845
Okanogan	2,386	2,555	2,825	4,396	4,000	4,055	3,926	3,710	3,827	117
Pend'Oreille	--	--	--	--	--	--	--	--	--	--
Spokane	26	101	101	95	95	87	85	975	932	-43
Stevens	1,315	2,293	2,237	2,252	2,225	2,176	2,117	2,103	2,559	456
Walla Walla	980	1,864	2,032	1,295	1,649	1,793	2,328	2,240	2,278	38
Whitman	736	644	155	153	165	75	64	64	59	-5
Yakima	4,178	4,915	6,148	8,277	8,012	6,263	5,419	5,663	5,093	-570
East of Cascades	35,872	44,682	54,425	65,999	78,356	75,188	63,286	61,272	56,920	-4,352
Clallam	332	334	341	420	420	458	455	448	448	0
Clark	334	350	407	503	455	651	771	498	560	62
Cowlitz	13	20	20	20	20	20	20	20	1	-19
Grays Harbor	474	1,338	1,736	1,300	1,263	1,417	1,316	1,465	1,390	-75
Island	203	185	151	279	275	288	291	294	258	-36
Jefferson	325	938	889	939	961	824	810	756	819	63
King	546	883	1,270	3,040	3,117	2,940	2,959	3,321	3,306	-15
Kitsap	57	108	108	109	113	111	111	127	127	0
Lewis	1,012	2,639	4,159	4,777	4,357	4,585	4,271	4,233	4,362	129
Mason	34	37	26	17	21	21	22	44	44	0
Pacific	11	220	500	500	500	10	10	10	10	0
Pierce	140	309	746	885	899	1,111	1,148	1,539	1,738	199
San Juan	209	182	244	253	421	396	371	304	192	-112
Skagit	2,113	3,175	4,476	4,825	5,820	5,579	5,627	6,015	6,107	92
Skamania	105	89	85	59	121	79	80	68	98	30
Snohomish	862	841	2,546	2,122	1,417	755	1,235	1,102	1,156	54
Thurston	1,004	2,130	2,959	2,818	2,367	2,451	2,694	2,553	2,658	105
Wahkiakum	10	590	605	651	738	737	671	745	745	0
Whatcom	1,354	2,491	2,839	3,042	3,321	2,932	3,038	3,258	3,929	671
West of Cascades	9,136	16,859	24,105	26,556	26,606	25,365	25,900	26,800	27,948	1,148
State Total	45,008	61,541	78,530	92,555	104,962	100,553	89,186	88,072	84,868	-3,204

Values were based on land area and did not include identified double crop acres. 2005 acres include data from WSDA, OTCO, ICS, and QAI. CCOF data were added beginning 2006 and partial Stellar acreage included beginning in 2012. C farms had certified land and may have included transition land.

Table 6. Estimated WSDA and OTCO farmgate sales of certified organic crop and animal products in Washington, by region. Counties are grouped to protect confidentiality where necessary. Chelan and Douglas counties are grouped due to a portion of sales reported in Chelan actually representing Douglas.

County	\$ Gross Farmgate Value								
	2006	2007	2008	2009	2010	2011	2012	% Sales	% ± 11-12
Adams	2,511,941	4,687,021	6,803,978	4,712,747	4,450,809	6,075,215	13,039,630	4%	115%
Asotin	<i>Asotin group</i>	<i>Asotin group</i>	<i>Asotin group</i>	<i>Asotin group</i>	<i>Asotin group</i>	<i>Asotin group</i>	<i>Asotin group</i>	--	--
Asotin, Garfield, Whitman	274,599	112,738	128,615	76,305	105,704	113,635	103,061	0.03%	-9%
Benton	10,539,118	27,955,038	39,532,259	21,900,016	22,011,629	25,818,613	36,513,778	10%	41%
Chelan, Douglas	19,895,315	30,533,836	32,604,025	23,932,300	24,111,199	27,518,678	31,818,755	9%	16%
Columbia	--	--	--	--	--	--	--	--	--
Douglas	<i>Chelan, Doug.</i>	<i>Chelan, Doug.</i>	<i>Chelan, Doug.</i>	<i>Chelan, Doug.</i>	<i>Chelan, Doug.</i>	<i>Chelan, Doug.</i>	<i>Chelan, Doug.</i>	--	--
Ferry	--	--	--	--	<i>Stevens-Ferry</i>	<i>Stevens-Ferry</i>	<i>Stevens-Ferry</i>	--	--
Franklin	7,413,571	7,714,118	8,152,407	10,812,398	13,188,205	18,033,263	23,394,676	7%	30%
Garfield	<i>Asotin group</i>	<i>Asotin group</i>	<i>Asotin group</i>	--	--	--	--	--	--
Grant	32,242,417	44,885,049	51,920,630	52,924,663	64,005,943	87,771,761	106,772,592	30%	22%
Kittitas	126,675	64,109	40,408	41,584	169,558	83,265	95,997	0.03%	15%
Klickitat	4,777,009	5,130,358	6,271,043	5,792,017	6,645,054	8,411,142	6,475,147	2%	-23%
Lincoln	<i>Spokane group</i>	<i>Spokane group</i>	84,926	297,440	367,120	446,299	175,301	0.05%	-61%
Okanogan	8,683,457	8,975,464	12,716,501	12,078,319	10,664,717	14,209,137	17,897,348	5%	26%
Pend Oreille	--	--	--	--	--	--	--	--	--
Spokane	<i>Spokane group</i>	<i>Spokane group</i>	35,288	72,306	126,430	157,213	176,592	0.05%	12%
Spokane, Stevens, Lincoln	641,344	872,514	<i>See each Co.</i>	<i>See each Co.</i>	<i>See each Co.</i>	<i>See each Co.</i>	--	--	--
Stevens	<i>Spokane group</i>	<i>Spokane group</i>	750,085	390,822	<i>Stevens-Ferry</i>	<i>Stevens-Ferry</i>	<i>Stevens-Ferry</i>	--	--
Stevens, Ferry	<i>Spokane group</i>	<i>Spokane group</i>	<i>Stevens</i>	<i>Stevens</i>	499,898	504,538	647,117	0.2%	28%
Walla Walla	5,859,667	11,468,518	14,604,314	10,483,575	20,011,407	22,049,205	27,734,332	8%	26%
Whitman	<i>Asotin group</i>	<i>Asotin group</i>	<i>Asotin group</i>	<i>Asotin group</i>	<i>Asotin group</i>	<i>Asotin group</i>	<i>Asotin group</i>	--	--
Yakima	16,208,926	28,741,569	24,507,400	21,119,600	19,051,245	23,433,582	31,226,646	9%	33%
East of Cascades	\$109,174,039	\$171,140,332	\$198,151,879	\$164,634,092	\$185,408,918	\$234,625,546	\$296,070,971	83%	26%
Clallam	696,982	901,503	824,415	1,233,943	1,299,608	1,560,370	1,314,326	0.4%	-16%
Clark	<i>Clark group</i>	<i>Clark group</i>	<i>Clark group</i>	1,632,818	1,541,910	1,831,544	1,504,563	0.4%	-18%
Clark, Cowlitz, Skamania	1,136,486	1,401,959	1,614,752	<i>Clark; Cow-Skam.</i>	<i>Clark; Cow-Skam.</i>	<i>Clark; Cow-Skam.</i>	<i>Clark; Cow-Skam.</i>	--	--
Cowlitz, Skamania	<i>Clark group</i>	<i>Clark group</i>	<i>Clark group</i>	260,186	502,576	226,226	323,369	0.1%	43%
Cowlitz	<i>Clark group</i>	<i>Clark group</i>	<i>Clark group</i>	<i>Cow-Skam</i>	<i>Cow-Skam</i>	<i>Cow-Skam</i>	<i>Cow-Skam</i>	--	--
Grays Harbor	<i>Mason group</i>	1,324,944	<i>Mason group</i>	1,806,137	1,402,045	1,327,370	1,404,448	0.4%	6%
Island	51,232	138,318	66,136	112,993	247,466	189,900	236,847	0.1%	25%
Jefferson	104,232	552,919	841,383	1,125,011	1,163,653	1,370,432	1,530,297	0.4%	12%
King	7,100,129	6,793,471	5,873,710	5,412,335	7,631,333	8,871,133	6,970,329	2%	-21%
Kitsap	216,749	250,266	263,421	262,028	332,138	362,990	365,997	0.1%	1%
Lewis	1,524,473	4,351,611	5,532,312	5,613,327	5,787,645	6,082,515	6,781,391	1.9%	11%
Mason	<i>See below</i>	<i>Thurs-Mason</i>	<i>See below</i>	--	3,323,234	3,930,876	5,143,980	1.4%	31%
Mason, Grays H.	2,864,945	<i>Thurs-Mason</i>	4,005,861	<i>See each Co.</i>	<i>See each Co.</i>	<i>See each Co.</i>	<i>See each Co.</i>	--	--
Pacific	<i>Wahk-Pac</i>	<i>Wahk-Pac</i>	<i>Wahk-Pac</i>	<i>Wahk-Pac</i>	<i>Wahk-Pac</i>	<i>Wahk-Pac</i>	<i>Wahk-Pac</i>	--	--
Pierce	829,904	996,155	1,690,631	1,912,661	1,502,865	1,983,393	2,307,708	0.6%	16%
San Juan	211,098	165,750	209,305	111,021	90,628	141,693	64,084	0.02%	-55%
Skagit	9,078,065	10,096,494	13,339,494	12,011,836	13,177,534	11,520,913	14,238,853	4%	24%
Skamania	<i>Clark group</i>	<i>Clark group</i>	<i>Clark group</i>	<i>Cow-Skam</i>	<i>Cow-Skam</i>	<i>Cow-Skam</i>	<i>Cow-Skam</i>	--	--
Snohomish	1,931,695	1,471,090	2,045,592	2,227,662	2,051,332	2,274,943	3,102,352	0.9%	36%
Thurston	4,947,077	<i>Thurs-Mason</i>	6,533,326	6,353,482	6,281,221	2,334,335	7,288,107	2%	212%
Thurston, Mason	<i>See each Co.</i>	7,905,655	<i>See each Co.</i>	<i>See each Co.</i>	<i>See each Co.</i>	<i>See each Co.</i>	<i>See each Co.</i>	--	--
Wahkiakum	<i>Wahk. group</i>	<i>Wahk. group</i>	<i>Wahk. group</i>	<i>Wahk. group</i>	<i>Wahk. group</i>	<i>Wahk. group</i>	<i>Wahk. group</i>	--	--
Wahkiakum, Pacific	616,761	851,769	773,070	706,945	752,067	771,701	844,476	0.2%	9%
Whatcom	3,828,879	4,889,039	4,938,860	5,288,494	5,218,145	5,047,268	6,048,047	2%	20%
West of Cascades	\$35,138,707	\$42,090,943	\$48,552,268	\$46,070,879	\$52,305,399	\$49,827,602	\$59,469,172	17%	19%
State Total	\$144,312,746	\$213,231,275	\$246,704,147	\$210,704,971	\$237,714,317	\$284,453,148	\$355,540,144	100%	25%

*Sales data lag acreage data by 1 year; previous year sales are reported on current year producer certification applications. Percent of sales is based on most recent year. Percent change is based on 2 most recent years. All years include sales data from WSDA and OTCO only. No sales data were available for QAI, Stellar or CCOF certified WA farms. Values were not available for a few OTCO-certified farms in 2007-2009, thus sales were possibly underestimated for King, Klickitat, Lewis, Lincoln, Pierce and Skagit Cos. Values may not include income from producers who may report all sales as processors.

Acknowledgements

Funding for this work has been provided by multiple sources, including the USDA Organic Farming Research Special Grant program, a WSU BIOAg grant, and WSU CSANR. The authors thank many individuals who have cooperated over the years on this project, including B. Book, L. Eklund, D. Dowell, L. White and K. Withey (WSDA), C. Schreiner and H. Smith (OTCO), J. Lewin and K. Olin (CCOF), D. Krapp (ICS), and M. DeVincenzo (QAI).

References

- USDA-ERS. 2013. *Organic Production Data Sets*. Updated September 27 2013.
<http://www.ers.usda.gov/data-products/organic-production.aspx#.UVsiL1eU8lQ>
- USDA-NASS. 2013. *2011 Certified Organic Production Survey*.
<http://usda01.library.cornell.edu/usda/current/OrganicProduction/OrganicProduction-10-04-2012.pdf>
- USDA-NASS. 2010. *2008 Organic Production Survey*. Updated July 2010.
http://www.agcensus.usda.gov/Publications/2007/Online_Highlights/Organics/index.php