

NATURAL RESOURCES

Washington State Data Book

<u>Table</u>	<u>Title</u>	<u>Page</u>
NT01	Timber Harvest by Owner Class and Region	119
NT02	Statewide Timber Harvest by Ownership	120
NT03	Consumption of Wood and Wood Fiber by Industry	121
NT04	Log Consumption by Species by Washington Forest Products Industry	122
NT05	Production and Use of Wood and Bark Residues from Lumber Production	123
NT06	Production of Wood Products by Primary Wood Products Operations	124
NT07	Washington Forest Products Firms by Type	125
NT08	Select Sources of Income from State Owned Lands	126
NT09	Income from State Lands	127
NT10	Forest Fires	128
NT11	Farm and Farmland Trends	129
NT12	Summary of Farm Production Value	130
NT13	Field Crops: Total Crop Value	131
NT14	Vegetable Crops: Total Crop Value	132
NT15	Fruit, Nut and Berry Crop: Total Crop Value	133
NT16	Livestock and Related Products: Total Value	134
NT17	Washington's Rank in the Nation's Agriculture	135
NT18	Food Fish Production: Volume and Harvest Value	136
NT19	Hatchery Trout Releases	137
NT20	Returns of Adult Salmon to Hatcheries and Eggs Taken	138
NT21	Hatchery Salmon Releases	139

TIMBER HARVEST BY OWNER CLASS AND REGION

Department of Natural Resources | 360-902-1000 | <http://www.dnr.wa.gov>

Million Board Feet¹

Calendar Year	State Total	Owner Class					State Region ²	
		Private ³	DNR ⁴	Other Public ⁵	Federal	Tribal	Western	Eastern
1994	4,086	3,552	323	7	204	NA	3,178	908
1995	4,392	3,720	496	20	156	NA	3,417	975
1996	4,249	3,529	600	33	87	NA	3,273	976
1997	4,245	3,390	645	31	179	NA	3,258	989
1998	4,022	3,319	546	36	121	NA	3,129	892
1999	4,383	3,580	662	15	126	NA	3,375	1,008
2000	4,177	3,507	559	17	94	NA	3,224	953
2001	3,716	3,116	496	26	79	NA	2,842	874
2002	3,582	3,000	457	40	85	NA	2,704	878
2003	4,234	3,413	651	35	136	NA	3,538	696
2004	3,946	3,212	588	51	96	NA	3,175	770
2005	3,730	3,024	594	32	81	NA	2,958	771
2006	3,483	2,946	404	59	75	NA	2,720	763
2007	3,264	2,685	448	36	95	NA	2,613	651
2008	2,758	2,067	515	71	104	NA	2,328	430
2009	2,217	1,423	641	52	101	NA	1,914	303
2010	2,739	1,829	764	28	118	NA	2,387	352
2011	2,984	2,207	637	31	109	NA	2,562	423
2012	2,740	2,182	442	33	82	NA	2,346	394
2013	3,299	2,525	514	50	90	120	2,792	507
2014	3,387	2,456	585	48	116	182	2,899	489
2015	2,986	2,244	438	31	101	172	2,274	541
2016	2,999	2,031	534	34	121	279	2,293	426

¹Scribner log scale.

²Boundary between the two regions is the county lines along the crest of the Cascade Range.

³Private includes large forest landowners, small forest landowners, industrial timber owners and Native American.

⁴Harvests from lands managed by the Washington State Department of Natural Resources.

⁵Includes public lands owned by cities, counties, public utilities and state agencies other than Department of Natural Resources.

Note: Due to the Washington Mill Survey being incomplete, the data for 2017 and 2018 are not available.

NA - Not available.

Table: NT01

STATEWIDE TIMBER HARVEST BY OWNERSHIP

Department of Natural Resources | 360-902-1000 | <http://www.dnr.wa.gov>

Thousand Board Feet¹

Calendar Year	Statewide		Eastern Washington ²			Western Washington ²		
	Private	Public	Total	Private	Public	Total	Private	Public
1996	3,543,702	822,585	1,078,100	822,891	255,209	3,288,187	2,720,811	567,376
1997	3,390,763	855,724	988,808	786,045	202,763	3,257,679	2,604,718	652,961
1998	3,318,748	702,824	892,248	755,708	136,540	3,129,324	2,563,040	566,284
1999	3,579,720	803,059	1,007,931	847,700	160,231	3,374,848	2,732,020	642,828
2000	3,506,978	669,590	952,793	803,309	149,484	3,223,775	2,703,669	520,106
2001	3,115,534	600,442	874,148	739,183	134,965	2,841,828	2,376,351	465,477
2002	3,000,342	581,728	877,969	739,624	138,345	2,704,101	2,260,718	443,383
2003	2,696,841	622,937	536,171	411,444	124,727	2,783,607	2,285,397	498,210
2004	3,212,251	734,078	770,367	601,499	168,868	3,175,962	2,610,752	565,210
2005	3,023,950	706,631	771,603	617,505	154,098	2,958,978	2,406,445	552,533
2006	2,946,326	537,527	763,685	588,596	175,089	2,720,168	2,357,730	362,438
2007	2,685,273	578,980	651,027	476,626	174,401	2,613,226	2,208,647	404,579
2008	2,067,485	690,603	429,900	264,172	165,728	2,328,188	1,803,313	524,875
2009	1,423,091	794,220	303,047	158,869	144,178	1,914,264	1,264,222	650,042
2010	1,828,776	910,409	352,074	206,785	145,289	2,387,111	1,621,991	765,120
2011	2,206,644	778,309	422,652	263,331	159,321	2,562,301	1,943,313	618,988
2012	2,182,159	557,513	393,980	261,853	132,127	2,345,692	1,920,306	425,386
2013	2,525,248	654,598	467,026	324,040	142,986	2,712,820	2,201,208	511,612
2014	2,456,691	749,177	446,646	326,359	120,287	2,759,222	2,130,332	628,890
2015	2,244,958	570,387	540,961	415,759	125,202	2,274,384	1,829,199	445,185
2016	2,030,521	689,229	426,485	284,447	142,038	2,293,265	1,746,074	547,191

¹Scribner log scale.

²Boundary between the two regions is the county lines along the crest of the Cascade Range.

Note: Due to the Washington Mill Survey being incomplete, the data for 2017 and 2018 are not available.

Table: NT02

CONSUMPTION OF WOOD AND WOOD FIBER BY INDUSTRY
 Department of Natural Resources | 360-902-1000 | <http://www.dnr.wa.gov>

Billion Board Feet¹

Calendar Year	Total Logs	Plywood Lumber & Veneer	Shake & Post, Pole		Log Export	Pulp & Board		Chip	
			Shingle	& Piling		Logs	Residue ²		
1974	6.644	2.800	0.711	0.278	0.052	1.611	1.192	2.030	--
1976	6.308	3.001	0.646	0.287	0.046	1.783	0.545	2.768	--
1978	6.935	3.134	0.674	0.228	0.032	2.597	0.270	2.482	--
1980	5.834	2.434	0.483	0.136	0.037	2.308	0.436	2.752	--
1982	5.219	2.128	0.332	0.096	0.017	2.134	0.512	2.667	--
1984	5.768	2.597	0.392	0.101	0.020	2.265	0.393	3.268	--
1986	5.857	2.733	0.429	0.093	0.021	2.168	0.413	3.393	--
1988	6.944	3.015	0.457	0.062	0.023	2.847	0.540	3.361	--
1990	5.796	2.668	0.330	0.075	0.033	2.372	0.318	3.889	--
1992	8.976	2.512	0.282	0.017	0.036	1.844	0.304	3.981	--
1996	8.349	2.434	0.361	0.007	0.035	1.329	0.221	3.962	--
1998	7.713	2.416	0.352	0.016	0.025	0.794	NA	4.110	0.318
2000	7.709	2.503	0.424	0.013	0.032	0.771	NA	3.981	0.433
2002	6.188	2.480	0.308	0.017	0.036	0.883	0.140	2.409	0.191
2004	4.581	3.080	0.269	0.009	0.022	0.897	NA	2.818	0.280
2006	3.567	2.401	0.236	0.017	0.027	0.541	0.075	2.748	0.286
2008	3.489	1.913	0.469	0.009	0.032	0.662	0.062	2.930	0.361
2010	3.674	2.049	0.196	0.005	0.049	0.916	0.060	3.117	0.402
2012	3.330	1.764	0.171	0.002	0.045	1.010	0.031	6.470	0.339
2014	3.613	1.894	0.262	0.000	0.039	1.139	0.049	6.509	0.228
2016	3.134	1.637	0.226	*	0.045	0.882	0.035	6.288	0.310

¹Scribner log scale.

²Roundwood equivalent volume. Scribner volume estimate determined using a conversion factor of 2.081 bone dry tons per thousand board feet, Scribner log scale.

NA - Not available.

* - Less than one million board feet.

Note: Due to Washington Mill Survey being incomplete, the data for 2017 and 2018 are not available.

Table: NT03

LOG CONSUMPTION BY SPECIES BY WASHINGTON FOREST PRODUCTS INDUSTRY¹

Department of Natural Resources | 360-902-1000 | <http://www.dnr.wa.gov>

Million Board Feet

Calendar Year	2006	2008	2010	2012	2014	2016
<u>Softwoods</u>						
Douglas Fir	1,744	1,969	2,276	1,958	2,158	1,855
Hemlock	913	851	854	866	886	773
True Firs	195	111	163	120	137	75
Spruce	50	34	43	44	35	41
Ponderosa Pine	197	211	115	94	112	108
Lodgepole Pine	61	35	39	18	33	23
Western Red Cedar	142	114	105	76	101	87
Other	1	1	1	7	5	15
<u>Hardwoods</u>						
Red Alder	223	146	165	141	129	128
Other Hardwoods ²	42	10	13	14	17	17
Total	3,568	3,482	3,774	3,338	3,613	3,122

¹Includes log exports. Excludes Washington logs consumed by out-of-state mills.

²Includes maple, cherry, cottonwood, oak and others.

Note: Totals may not add due to rounding.

Due to the Washington Mill Survey being incomplete, the data for 2017 and 2018 are not available.

Table: NT04

**PRODUCTION AND USE OF WOOD AND BARK RESIDUES
FROM LUMBER PRODUCTION**

Department of Natural Resources | 360-902-1000 | <http://www.dnr.wa.gov>

Tons in Thousands, Dry Weight

Calendar Year	Total	Wood Residue				Bark Residue			
		Pulp & Board	Fuel	Misc.	Unused	Pulp & Board	Fuel	Misc.	Unused
1982	3,297	1,449	763	300	41	6	559	165	14
1984	4,341	1,820	1,139	370	51	18	694	231	18
1986	4,609	1,094	1,658	795	53	18	685	276	30
1988	5,248	1,916	1,731	387	65	5	759	360	25
1990	4,825	1,847	1,304	536	64	*	733	325	16
1992	4,721	2,245	938	478	27	23	703	302	5
1996	5,030	2,782	685	452	*	*	782	323	4
1998	5,329	2,969	777	426	0	0	795	359	3
2000	5,542	2,894	972	474	4	*	827	365	6
2002	4,518	2,210	660	468	0	63	690	426	*
2004	5,223	2,557	1,108	316	1	*	673	566	*
2006	5,272	2,615	855	525	*	19	727	532	0
2008	3,978	1,968	809	342	*	*	471	389	*
2010	3,826	1,883	714	408	*	0	497	326	2
2012	3,723	2,025	529	310	0	0	643	214	3
2014	4,522	2,288	794	428	*	0	482	531	0
2016	2,836	1,452	376	310	35	11	339	311	1

* = Less than 1.

Note: Totals may not add due to rounding.

Due to the Washington Mill Survey being incomplete, the data for 2017 and 2018 are not available.

Table: NT05

PRODUCTION OF WOOD PRODUCTS BY PRIMARY WOOD PRODUCTS OPERATIONS

Department of Natural Resources | 360-902-1000 | <http://www.dnr.wa.gov>

Calendar Year	Lumber ¹	Plywood & Veneer ²	Pulp ³	Shake & Shingle ⁴	Export ⁵	Poles ⁵	Chip ⁶
1998	4,368	1,053	4,358	260,089	794,036	21,885	NA
2000	4,540	1,084	4,752	227,574	771,135	34,252	1,396
2002	4,532	1,001	3,556	128,529	604,736	37,381	616
2004	4,836	890	3,562	127,047	544,639	23,177	907
2006	4,947	688	3,887	134,974	541,038	29,364	1,224
2008	3,602	994	3,495	123,991	661,725	37,596	1,473
2010	3,356	1,333	3,854	81,641	916,000	60,496	1,403
2012	3,156	894	3,336	36,340	1,010,100	21,078	1,264
2014	3,932	1,092	4,250	27,306	1,139,000	55,730	774
2016	3,249	1,529	4,093	34,000	882,000	50,000	929

¹Millions of board feet, lumber tally.

²Thousands of square feet, 3/4-inch basis.

³Thousands of tons (newsprint, bleached and unbleached paper, other paper, market pulp).

⁴Shakes, shingles, other (i.e., hip & ridge).

⁵Thousands of board feet, Scribner log scale.

⁶Thousands of bone dry tons.

Note: Due to the Washington State Mill Survey being incomplete, the data for 2017 and 2018 are not available.

Table: NT06

WASHINGTON FOREST PRODUCTS FIRMS BY TYPE
 Department of Natural Resources | 360-902-1000 | <http://www.dnr.wa.gov>

Calendar			Veneer &		Shake &	Post, Pole	Log	Roundwood
Year	Total	Sawmills	Plywood	Pulp	Shingle	& Piling	Export	Chipping
2000	228	77	14	18	42	10	42	25
2002	157	75	11	11	23	6	18	13
2004	137	63	11	10	21	8	10	14
2006	137	68	11	12	16	6	11	13
2008	125	54	10	11	17	5	12	16
2010	125	50	9	11	16	6	19	14
2012	107	41	8	12	12	6	14	14
2014	97	40	8	11	8	5	15	10
2016	88	37	7	12	7	2	13	10

Note: Due to the Washington State Mill Survey being incomplete, the data for 2017 and 2018 are not available.

Table: NT07

SELECT SOURCES OF INCOME FROM STATE OWNED LANDS¹

Department of Natural Resources | 360-902-1000 | <http://www.dnr.wa.gov>

\$ in Thousands

State Fiscal Year	Timber Sales	Seedling Sales	Agri-culture	Aquatic Lands	Commercial Real Estate	Mineral & Hydrocarbon	Communication Sites
2002	148,818	2,315	7,886	14,426	7,458	1,105	2,960
2003	143,393	1,900	7,686	17,485	6,831	1,181	2,630
2004	175,299	2,332	8,608	15,781	7,418	969	2,772
2005	211,128	2,800	9,096	16,760	8,190	1,789	3,223
2006	215,711	2,579	9,592	17,825	8,424	4,429	2,802
2007	181,785	2,767	11,806	20,454	9,713	9,231	3,398
2008	167,711	3,637	15,388	19,183	9,199	2,913	3,491
2009	145,387	3,071	14,419	20,166	9,428	1,974	3,676
2010	203,390	2,766	12,266	29,622	10,000	2,078	4,051
2011	196,354	7,596	13,721	37,061	10,071	1,156	4,012
2012	185,677	574	18,323	38,930	10,281	1,184	3,873
2013	172,768	3,090	22,625	23,672	9,524	1,229	4,245
2014	170,679	2,768	23,499	31,795	9,595	1,654	4,285
2015	180,862	3,754	21,102	30,475	8,170	2,145	4,479
2016	190,276	4,166	22,165	24,311	8,958	2,994	4,639
2017	172,645	4,128	22,783	37,379	9,658	3,148	4,728
2018	196,470	4,920	25,471	36,902	10,917	2,925	4,730

¹Totals do not include non-trust revenues (such as fire suppression).

Table: NT08

INCOME FROM STATE LANDS¹

Department of Natural Resources | 360-902-1000 | <http://www.dnr.wa.gov>

\$ in Thousands

State Fiscal Year	Income				Distribution of Income			
	Total ²	Sales ³	Leases	Other	Trust Funds ⁴	Mgmt. Funds ⁵	Counties ⁶	State ⁷
1998	294,761	234,940	30,737	29,084	117,013	92,969	78,682	6,099
1999	333,983	260,802	31,011	42,169	132,039	98,373	97,384	6,187
2000	328,265	234,456	35,031	58,778	134,619	106,516	78,776	8,354
2001	238,431	180,819	33,296	24,317	118,130	86,735	64,171	11,939
2002	220,412	159,521	37,292	23,599	91,009	74,957	57,133	8,716
2003	217,886	155,344	38,337	24,205	102,016	86,077	58,149	13,707
2004	271,861	190,345	39,169	42,347	108,445	101,598	70,708	24,909
2005	304,367	228,887	42,239	33,241	128,722	129,887	81,117	16,385
2006	308,660	231,084	45,602	31,975	117,899	137,518	72,750	12,827
2007	294,988	196,627	57,592	40,770	139,196	122,035	63,757	19,187
2008	282,153	186,165	53,153	42,835	101,885	115,571	52,647	23,273
2009	250,926	161,675	52,242	37,009	137,563	116,310	48,607	18,094
2010	330,364	229,537	61,426	39,401	105,858	140,171	67,883	23,879
2011	319,724	219,051	69,092	31,581	172,025	137,524	70,510	17,656
2012	304,983	199,773	76,863	28,347	163,820	118,980	65,185	14,612
2013	294,041	187,602	65,292	41,147	102,217	113,100	55,895	26,140
2014	292,335	186,021	74,498	31,816	144,295	120,976	52,872	19,901
2015	302,600	197,872	70,765	33,963	99,443	128,580	65,440	19,796
2016	311,647	208,106	67,004	36,537	114,787	134,095	55,919	19,206
2017	315,287	191,370	81,704	42,214	NA	NA	61,820	NA
2018	383,657	215,929	84,880	82,848	NA	NA	59,639	NA

¹Income categories modified in 1989. Other includes interest income, equipment rental/sales, fire activity, federal grants, misc.

²Totals may not add due to rounding. Starting in 2001, totals do not include land transfers in the distribution of income numbers.

³Income from the sale of timber, land, and other valuable materials less Forest Road Assessments.

⁴Schools and other grantees. Trusts include the Current Funds (less the county revenues), the Permanent Funds, General Fund, Harbor Improvement, Capitol Purchase and Development, and Aquatic Land Enhancement Account (ALEA).

⁵Includes total Department of Natural Resources-Administered Funds less ALEA.

⁶Includes both Forest Board Transfer and Purchase.

⁷Includes Clarke-McNary, Institutions, Fisheries, Game, Social & Health Services, Natural Resources, Parks and others.

NA - Not Available

Table: NT09

FOREST FIRES¹

Department of Natural Resources | 360-902-1000 | <http://www.dnr.wa.gov>
 Northwest Interagency Coordination Center | <http://gacc.nifc.gov/nwcc>

Calendar Year	State Total		U.S.F.S. ²		D.N.R. ³		B.I.A. ⁴	
	Number of Fires	Acres Burned	Number of Fires	Acres Burned	Number of Fires	Acres Burned	Number of Fires	Acres Burned
1992	1,843	35,752	449	1,251	1,084	10,002	310	24,499
1993	1,026	4,458	250	884	641	2,203	135	1,371
1994	2,133	298,463	608	203,165	1,212	79,407	313	15,897
1995	1,313	5,627	261	1,091	874	3,900	178	636
1996	1,150	35,239	191	4,004	811	10,885	148	20,350
1997	986	5,915	193	582	657	4,650	136	683
1998	1,605	54,622	407	9,340	991	23,511	207	21,771
1999	1,471	19,677	375	1,422	851	6,315	245	11,941
2000	1,102	252,811	267	2,324	615	17,043	213	233,444
2001	1,223	204,525	260	94,338	789	17,510	174	92,677
2002	1,404	72,064	322	50,164	904	10,083	178	11,817
2003	1,304	137,687	314	124,014	932	12,232	58	1,441
2004	1,586	80,131	423	63,304	866	6,976	297	9,851
2005	913	73,538	191	1,967	645	60,280	77	11,291
2006	1,568	292,573	308	239,433	1,021	48,803	239	4,337
2007	1,447	88,975	201	23,277	981	23,835	265	41,863
2008	1,344	69,610	253	7,336	830	32,680	261	29,594
2009	1,828	24,053	502	7,424	1044	13,671	282	2,958
2010	877	40,942	222	14,449	559	25,440	96	1,053
2011	931	9,793	237	658	524	6,952	170	2,183
2012	1,200	171,399	330	116,929	750	22,716	120	31,754
2013	1,395	140,244	305	8,046	741	93,656	349	38,542
2014	1,297	360,878	276	131,980	794	197,705	227	31,193
2015	1,744	992,783	399	347,007	1,055	315,119	290	330,657
2016	1,183	54,265	122	2,723	822	16,281	239	35,261
2017	1,346	404,223	221	261,899	866	35,915	188	9,419
2018	1,744	438,834	291	140,853	1,125	142,368	214	15,634

¹Does not include National Park Service, U.S. Fish and Wildlife and Bureau of Land Management lands.

²Fires on lands within the jurisdiction of the United States Forest Service.

³Fires on lands within the jurisdiction of the Department of Natural Resources.

⁴Fires on lands within the jurisdiction of the Bureau of Indian Affairs on the Colville, Yakama, Spokane and Puget Sound and Olympic Peninsula agencies nation lands.

Note: Totals may not add due to rounding.

Table: NT10

FARM AND FARMLAND TRENDS

National Agricultural Statistics Service | 360-890-3300 | <http://www.nass.usda.gov>

Year of Census	1982	1987	1992	1997	2002	2007	2012	2017
Total Farmland (Acres)	16,469,678	16,115,568	15,726,007	15,778,606	15,318,008	14,972,789	14,748,107	14,679,857
By Farm Size:								
Under 10 Acres	30,403	27,906	25,187	43,375	36,071	44,360	48,650	54,623
10-49 Acres	299,868	269,450	241,900	339,768	303,919	343,160	294,392	279,637
50-179 Acres	759,621	705,312	636,924	736,538	694,722	714,014	630,556	532,464
180-499 Acres	1,214,168	1,133,206	1,002,757	1,057,335	1,029,428	1,039,618	921,737	780,675
500-999 Acres	1,377,913	1,313,326	1,205,247	1,247,908	1,159,943	1,206,606	1,056,164	851,221
1,000-1,999 Acres	2,177,096	2,285,965	2,043,173	2,108,349	1,910,378	1,688,140	1,575,863	1,374,960
2,000+ Acres	10,610,609	10,380,403	10,570,819	10,245,333	10,183,547	9,936,891	10,220,745	10,806,277
Average Size of Farms	456	480	520	393	426	381	396	410
Total Number of Farms	36,080	33,559	30,264	40,113	35,939	39,284	37,249	35,793
By Farm Size:								
Under 10 Acres	6,425	6,040	5,408	9,208	7,482	9,211	10,559	11,523
10-49 Acres	12,717	11,362	10,115	14,791	13,187	14,790	12,980	12,323
50-179 Acres	7,755	7,216	6,536	7,646	7,223	7,307	6,537	5,501
180-499 Acres	4,038	3,796	3,336	3,536	3,439	3,479	3,071	2,623
500-999 Acres	1,927	1,855	1,699	1,770	1,635	1,731	1,508	1,235
1,000-1,999 Acres	1,548	1,626	1,461	1,502	1,364	1,218	1,123	996
2,000+ Acres	1,670	1,664	1,709	1,660	1,609	1,548	1,471	1,592

Table: NT11

SUMMARY OF FARM PRODUCTION VALUE

National Agricultural Statistics Service | 360-890-3300 | <http://www.nass.usda.gov>

\$ in Thousands

Year	Total	All Crops	All Livestock
2004	5,526,110	3,847,935	1,678,175
2005	6,052,589	4,303,303	1,749,286
2006	6,606,512	5,046,058	1,560,454
2007	8,165,148	6,143,771	2,021,377
2008	7,866,728	5,821,886	2,044,842
2009	7,257,925	5,606,878	1,651,047
2010	7,830,567	5,738,747	2,091,820
2011	9,390,374	6,916,358	2,474,016
2012	10,078,830	7,563,868	2,514,962
2013	10,113,029	7,388,213	2,724,816
2014	10,186,567	6,922,402	3,264,165
2015	10,718,968	7,777,224	2,941,744
2016	10,173,897	7,691,955	2,481,942
2017	10,562,622	8,006,754	2,555,868

Table: NT12

FIELD CROPS: TOTAL CROP VALUE

National Agricultural Statistics Service | 360-890-3300 | <http://www.nass.usda.gov>

\$ in Thousands

Harvest Year	2011	2012	2013	2014	2015	2016	2017	2018
Wheat	1,122,409	1,162,209	1,014,032	714,858	599,904	656,782	690,902	835,677
Potatoes	771,040	700,362	792,000	771,210	772,310	813,313	686,602	788,256
Hay	713,568	625,982	675,050	702,702	499,140	478,980	515,901	518,891
Hops	157,003	144,043	184,938	208,362	280,025	382,208	458,686	427,502
Dry Edible Beans	65,542	92,130	71,662	60,944	46,353	82,613	84,419	87,554
Corn, Grain	174,938	165,410	119,422	115,885	69,338	94,082	72,900	76,670
Spearmint	33,269	34,777	39,402	36,411	37,216	39,675	32,832	29,229
Peppermint	33,946	34,050	45,430	31,500	30,646	31,119	23,760	25,608
Barley	41,274	68,710	57,845	22,302	16,682	20,695	13,920	19,564
Lentils	26,376	22,984	23,529	17,600	17,277	26,662	18,728	18,337
Dry Edible Peas	21,760	24,739	24,739	25,749	20,563	26,273	15,840	14,663
Oats	558	1,722	1,360	893	680	756	380	423

Note: Corn silage, grass and legume seeds, haylage and sugar beets are no longer a part of the National Agriculture Statistics Service annual estimating program.

Table: NT13

VEGETABLE CROPS: TOTAL CROP VALUE

National Agricultural Statistics Service | 360-890-3300 | <http://www.nass.usda.gov>

\$ in Thousands

Harvest Year	2011	2012	2013	2014	2015	2016	2017	2018
Onions, Non-Storage	17,556	36,475	24,660	27,680	34,808	NA	NA	NA
Onions, Storage	104,130	147,619	140,940	106,444	177,698	NA	NA	NA
Onions, Total	NA	NA	NA	NA	212,506	230,564	161,495	177,767
Sweet Corn, Processing	85,212	96,946	77,915	74,693	76,306	77,760	66,084	64,452
Market	78,474	58,311	70,596	49,059	21,678	10,931	28,688	19,628
Asparagus ¹	17,358	18,180	17,872	13,721	15,584	24,102	26,832	26,195
Green Peas, Processing	24,116	35,250	35,131	29,433	38,580	(D)	(D)	(D)
Green Peas, Total	NA	NA	NA	NA	NA	27,593	28,772	22,766
Carrots, Processing	10,380	7,975	13,279	(D)	(D)	(D)	(D)	(D)
Carrots, Total	NA	NA	NA	NA	NA	34,528	31,966	19,982

¹Fresh Market and Processing combined.

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

NA - Not Available

Table: NT14

FRUIT, NUT AND BERRY CROP: TOTAL CROP VALUE

National Agricultural Statistics Service | 360-890-3300 | <http://www.nass.usda.gov>

\$ in Thousands

Crop	2011	2012	2013	2014	2015	2016	2017	2018
Apples	1,932,260	2,482,350	2,133,995	1,896,218	2,319,210	2,350,703	2,430,353	2,185,875
Cherries, Sweet	526,986	491,148	379,034	502,370	436,918	491,111	474,579	426,470
Grapes, All	185,568	249,088	277,508	301,845	288,777	360,060	318,890	360,910
Pears, Other	115,002	131,210	144,945	150,885	145,880	150,475	142,178	NA
Pears, Bartlett	66,074	74,524	80,447	92,987	93,870	85,353	104,284	NA
Apricots	7,132	8,371	7,767	9,721	(D)	8,473	9,686	10,410
Peaches	7,809	8,153	9,937	10,855	13,644	13,567	12,232	9,099
Cherries, Tart	6,521	8,000	6,164	7,290	11,000	9,536	5,030	(D)
Nectarines	3,533	5,046	8,173	10,215	8,068	11,047	9,918	NA
Prunes & Plums	1,051	1,427	1,124	1,760	1,802	NA	NA	NA
Blueberries	122,000	85,400	71,556	117,224	146,847	94,008	114,882	139,177
Red Raspberries	44,336	37,871	57,296	59,096	89,000	67,577	57,120	NA
Strawberries	8,971	10,331	9,226	11,093	7,840	14,077	12,025	9,167
Cranberries	6,361	8,706	6,636	6,959	8,749	7,742	6,264	NA

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

NA - Not available.

Table: NT15

LIVESTOCK AND RELATED PRODUCTS: TOTAL VALUENational Agricultural Statistics Service | 360-890-3300 | <http://www.nass.usda.gov>*\$ in Thousands*

Year	2011	2012	2013	2014	2015	2016	2017	2018
Milk	1,276,983	1,159,524	1,298,880	1,624,272	1,136,232	1,097,250	1,188,642	1,131,648
Cattle & Calves	587,179	658,787	715,458	805,951	848,509	704,488	671,506	652,062
Eggs	140,429	137,149	147,516	176,951	331,830	117,086	141,321	240,515
Trout	9,557	11,143	15,129	20,735	19,453	18,792	19,603	(D)
Honey	5,207	6,050	6,189	7,809	5,782	5,851	8,455	6,986
Hogs	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4,270
Wool	569	419	325	486	494	525	494	557

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

Table: NT16

WASHINGTON'S RANK IN THE NATION'S AGRICULTURE

National Agricultural Statistics Service | 360-890-3300 | <http://www.nass.usda.gov>

Year	Rank ¹					Percent of U.S. ¹				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<u>Crops</u>										
Wrinkled Seed Peas	1	1	1	1	1	60.0	77.7	59.9	64.2	69.7
Hops	1	1	1	1	1	79.2	78.7	75.4	75.1	75.4
Spearmint Oil	1	1	1	1	1	72.9	69.6	72.2	72.2	75.1
Peppermint Oil	1	3	3	3	3	31.4	26.4	26.2	26.2	24.9
Potatoes, Fall	2	2	2	2	2	24.3	25.1	24.8	23.9	24.8
Lentils	3	3	3	3	3	18.5	16.3	8.4	7.6	8.5
Dry Edible Peas	3	3	3	3	3	11.6	9.7	7.8	7.7	8.5
Barley	4	6	7	6	7	6.5	3.5	2.3	3.6	3.2
Wheat, All	4	5	4	4	3	6.8	5.4	5.4	6.8	8.2
Dry Edible Beans	6	6	6	5	6	8.8	6.6	5.3	9.2	7.9
<u>Fruit</u>										
Apples, All	1	1	1	1	1	57.0	63.9	59.5	64.9	65.8
Sweet Cherries	1	1	1	1	1	50.9	65.1	65.8	60.1	60.0
Pears, All	1	1	1	1	1	49.5	50.0	46.3	47.2	42.9
Grapes, Concord	1	1	1	1	1	36.5	51.5	43.6	43.1	41.9
Grapes, Niagara	3	1	2	2	3	19.3	35.6	25.9	33.2	25.2
Apricots	2	2	2	2	2	10.6	14.3	17.2	12.6	18.9
Grapes, All	2	2	2	2	2	4.5	6.6	5.5	6.4	5.7
Nectarines	2	2	2	2	2	7.5	6.0	5.8	5.8	6.2
Tart Cherries	3	3	3	3	3	6.1	8.0	9.9	8.5	9.6
Prunes and Plums	3	2	2	NA	NA	17.5	18.2	27.9	NA	NA
Peaches, Freestone	7	7	6	NA	NA	1.5	1.5	1.5	NA	NA
<u>Vegetables</u>										
Carrots, Processing	1	(D)	(D)	NA	NA	36.5	(D)	(D)	NA	NA
Asparagus	3	3	3	2	2	24.7	24.5	24.4	29.9	34.6
Green Peas, Processing	1	1	1	NA	NA	34.4	32.6	35.8	NA	NA
Sweet Corn, Processing	2	2	2	NA	NA	25.1	27.0	29.0	NA	NA
Dry Onions, Summer	2	3	2	2	2	20.7	21.3	23.8	25.1	21.6
<u>Berries</u>										
All Raspberries	1	2	2	2	2	92.7	31.6	28.2	26.4	33.4
Cranberries	5	5	5	5	5	1.7	1.9	2.3	1.8	1.8
Strawberries, All	5	5	5	5	5	0.3	0.3	0.2	0.2	0.2
Blueberries	3	3	1	1	1	15.4	16.4	18.6	20.2	22.5
<u>Livestock</u>										
Milk Production	10	10	10	10	10	3.1	3.2	3.2	3.1	3
Milk Cows ²	11	10	10	10	10	2.9	2.9	3.0	2.9	2.9
Egg Production	16	16	17	16	14	2.0	2.0	2.2	2	2
Farm Chickens ³	17	18	18	17	18	17.3	1.8	2.0	1.7	1.7
Honey Production	14	14	12	14	11	1.8	1.7	2.1	1.8	2.3
Sheep and Lambs ²	27	27	29	27	30	1.0	1.0	1.0	0.9	0.9
All Cattle and Calves ²	27	29	29	29	28	1.3	1.3	1.3	1.2	1.2

¹Ranking and Percent of U.S. are not recalculated subject to annual or final revisions.

²January 1 inventory.

³December 1 inventory.

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

NA - Not Available

Table: NT17

FOOD FISH PRODUCTION: VOLUME AND HARVEST VALUE
 Department of Fish and Wildlife | 360-902-2200 | <http://www.wdfw.wa.gov>

Non-Tribal Harvest and Aquaculture¹
All Numbers in Thousands

Calendar Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
<u>Salmon Non-Treaty</u>										
Fish	3,280	1,330	3,007	792	4,292	1,080	1,121	562	828	857
Volume - lbs.	14,588	9,914	15,604	7,264	22,955	9,714	7,990	5,392	8,126	6,510
Value - \$	8,082	15,216	15,182	9,435	16,426	12,710	9,366	8,296	11,575	11,604
<u>Fish²</u>										
Fish	4,228	3,940	3,122	2,292	2,037	1,787	2,163	3,841	3,686	1,957
Volume - lbs.	18,154	19,002	17,640	20,069	17,130	14,258	23,183	18,467	16,002	18,613
Value - \$	25,887	26,889	33,257	38,298	31,347	26,473	45,321	34,614	30,460	33,597
<u>Shellfish</u>										
Volume - lbs.	46,468	51,553	54,734	46,589	60,052	69,764	77,286	57,311	51,996	49,616
Value - \$	117,521	124,566	164,851	154,785	182,263	188,148	188,777	207,604	209,968	204,296
<u>Other Marine Fish</u>										
Volume - lbs.	69,396	115,511	91,653	147,561	141,376	91,034	56,987	99,011	136,459	121,500
Value - \$	31,557	35,168	46,056	55,464	48,523	42,025	33,976	41,496	43,736	30,604
<u>Total</u>										
Volume - lbs.	148,607	195,980	179,631	221,483	241,513	184,770	165,446	180,182	212,583	196,240
Value - \$	183,046	201,840	259,346	257,983	278,559	269,356	277,441	292,009	295,739	280,101

¹Tribal harvest and values not included. Tribal values are exempt from disclosure under RCW 42.56.430(7)

²Anadromous Fish: Saltwater fish that return to freshwater to spawn (e.g., sturgeon, shad, smelt, aquaculture fish).

Note: Totals may not add due to rounding.

Table: NT18

HATCHERY TROUT RELEASES

Department of Fish and Wildlife | 360-902-2200 | <http://www.wdfw.wa.gov>

Calendar Year	2011	2012	2013	2014	2015	2016	2017	2018
<u>Brown</u>								
Pounds	67,019	51,860	43,449	44,838	41,044	58,961	53,816	43,830
Number	552,604	532,838	277,877	418,567	440,976	555,888	540,321	527,701
<u>Cutthroat (Resident)¹</u>								
Pounds	60,418	54,001	58,297	67,170	79,537	75,894	92,081	82,404
Number	1,393,314	1,185,931	1,306,635	1,223,130	1,271,021	1,568,374	1,215,617	885,040
<u>Eastern Brook</u>								
Pounds	5,163	2,133	11,255	5,796	7,176	6,324	8,101	3,316
Number	143,884	105,529	110,739	147,685	144,119	124,452	154,083	140,598
<u>Golden</u>								
Pounds	9	87	2	30	10	4	8	9
Number	4,730	21,026	1,301	14,308	7,609	4,570	8,632	4,766
<u>Kokanee</u>								
Pounds	56,196	47,594	43,959	36,251	29,736	35,115	35,488	32,731
Number	8,330,148	8,451,101	8,481,807	8,401,038	8,337,179	8,016,710	8,113,233	7,854,841
<u>Rainbow</u>								
Pounds	1,241,910	1,395,643	1,460,479	1,435,901	1,448,603	1,362,225	1,336,977	1,435,601
Number	7,794,381	7,793,402	7,679,394	7,870,850	8,265,214	6,868,140	6,482,162	7,267,406
<u>Tiger</u>								
Pounds	4,714	7,669	884	581	3,396	6,393	5,585	4,438
Number	107,864	172,306	27,927	32,225	89,937	114,410	181,464	165,582
<u>Total</u>								
Pounds	1,435,429	1,558,986	1,618,326	1,590,567	1,609,501	1,544,915	1,532,055	1,602,328
Number	18,326,925	18,262,133	17,885,680	18,107,803	18,556,055	17,252,544	16,695,512	16,845,934

¹Resident Coastal Cutthroat and Anadromous Coastal Cutthroat.

Note: Data are for Department of Fish and Wildlife hatcheries only. Data do not include Triploid fish purchased and released by DFW.

Table: NT19

RETURNS OF ADULT SALMON TO HATCHERIES AND EGGS TAKEN

Department of Fish and Wildlife | 360-902-2200 | <http://www.wdfw.wa.gov>

Years	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
<u>Chinook</u>									
Returns to Hatcheries	135,186	166,859	146,073	150,359	193,066	183,892	237,697	194,772	210,467
Eggs Taken	96,456,610	99,246,101	95,509,294	91,387,907	97,496,888	97,887,926	93,924,169	94,364,589	100,520,017
<u>Chum</u>									
Returns to Hatcheries	50,042	61,514	82,187	89,807	135,217	79,446	123,713	142,739	160,647
Eggs Taken	30,341,898	31,744,500	35,069,509	42,293,363	38,506,765	40,212,376	40,210,143	35,089,209	35,928,056
<u>Coho</u>									
Returns to Hatcheries	365,835	303,681	232,901	170,020	205,750	465,108	97,915	237,969	171,657
Eggs Taken	34,021,996	33,738,769	33,791,699	32,111,631	35,173,002	33,584,166	32,958,401	35,503,902	33,938,806
<u>Cutthroat (Anadromous)</u>									
Returns to Hatcheries	2,543	843	423	1,318	2,144	1,367	777	1,028	1,221
Eggs Taken	247,643	290,810	230,702	224,759	185,833	148,086	193,655	197,244	186,891
<u>Pink¹</u>									
Returns to Hatcheries	27,637	5	19,848	NA	61,980	31	26,180	4	4,427
Eggs Taken	699,179	NA	722,979	NA	684,412	NA	615,258	NA	597,710
<u>Sockeye</u>									
Returns to Hatcheries	26,501	45,378	14,847	20,050	12,504	13,459	11,487	12,271	12,844
Eggs Taken	6,701,486	15,456,307	17,224,255	27,788,295	15,981,886	14,305,837	13,007,852	14,713,544	19,285,096
<u>Steelhead</u>									
Returns to Hatcheries	56,729	56,431	49,380	44,693	27,783	60,891	54,267	43,583	31,088
Eggs Taken	11,375,210	10,965,487	10,668,428	10,076,236	10,188,523	10,608,736	11,016,953	9,485,745	9,400,110
<u>Total</u>									
Returns to Hatcheries	664,473	634,711	545,659	476,247	638,444	804,194	552,036	632,366	592,351
Eggs Taken	179,844,022	191,441,974	193,216,866	203,882,191	198,217,309	196,747,127	191,926,431	189,354,233	199,856,686

¹Pink salmon generally return to Washington state only on odd years and occasionally on even years.

Note: Data are for Department of Fish and Wildlife hatcheries only.

Note: Totals may not add due to rounding.

NA - Not Available

Table: NT20

HATCHERY SALMON RELEASES

Department of Fish and Wildlife | 360-902-2200 | <http://www.wdfw.wa.gov>

Calendar Yea	2010	2011	2012	2013	2014	2015	2016	2017	2018
<u>Chinook</u>									
Pounds	1,987,807	1,890,018	1,901,625	1,883,183	1,725,720	1,692,558	1,477,527	1,500,066	1,599,365
Number	72,071,538	73,434,398	72,472,132	70,857,427	71,492,556	70,859,844	62,875,906	66,399,225	70,493,512
<u>Chum</u>									
Pounds	64,164	63,159	77,699	75,382	78,129	80,090	77,394	79,059	71,301
Number	28,938,038	29,648,511	32,556,877	33,027,046	32,637,914	34,854,167	33,990,028	35,948,668	32,276,528
<u>Coho</u>									
Pounds	1,160,067	1,150,829	1,084,753	1,118,852	1,093,133	1,080,210	1,022,133	1,077,647	1,105,634
Number	20,671,265	21,261,344	22,327,134	20,493,139	22,611,555	20,970,596	19,025,422	19,824,224	20,839,675
<u>Pink¹</u>									
Pounds	1,886	NA	1,722	NA	1,457	NA	1,322	NA	1,717
Number	888,658	NA	673,706	NA	571,171	NA	498,835	NA	545,938
<u>Steelhead</u>									
Pounds	1,164,074	1,041,179	985,254	1,026,899	1,086,720	951,493	814,271	899,513	835,763
Number	6,739,322	6,677,710	6,142,041	6,247,516	6,497,719	5,987,880	5,373,888	6,115,162	5,452,501
<u>Sockeye</u>									
Pounds	24,628	26,525	29,485	15,053	15,074	14,434	11,219	12,500	13,934
Number	9,943,091	14,500,257	14,033,168	24,043,191	13,768,842	10,919,208	10,941,506	12,536,107	15,493,784
<u>Total</u>									
Pounds	4,402,627	4,171,711	4,080,538	4,119,369	4,000,232	3,818,784	3,403,866	3,568,786	3,627,714
Number	139,251,912	145,522,220	148,205,058	154,668,319	147,579,757	143,591,695	132,705,585	140,823,386	145,101,938

¹Pink salmon released in Washington state only in even years.

Note: Data are for Department of Fish and Wildlife hatcheries only.

NA - Not Available

Table: NT21