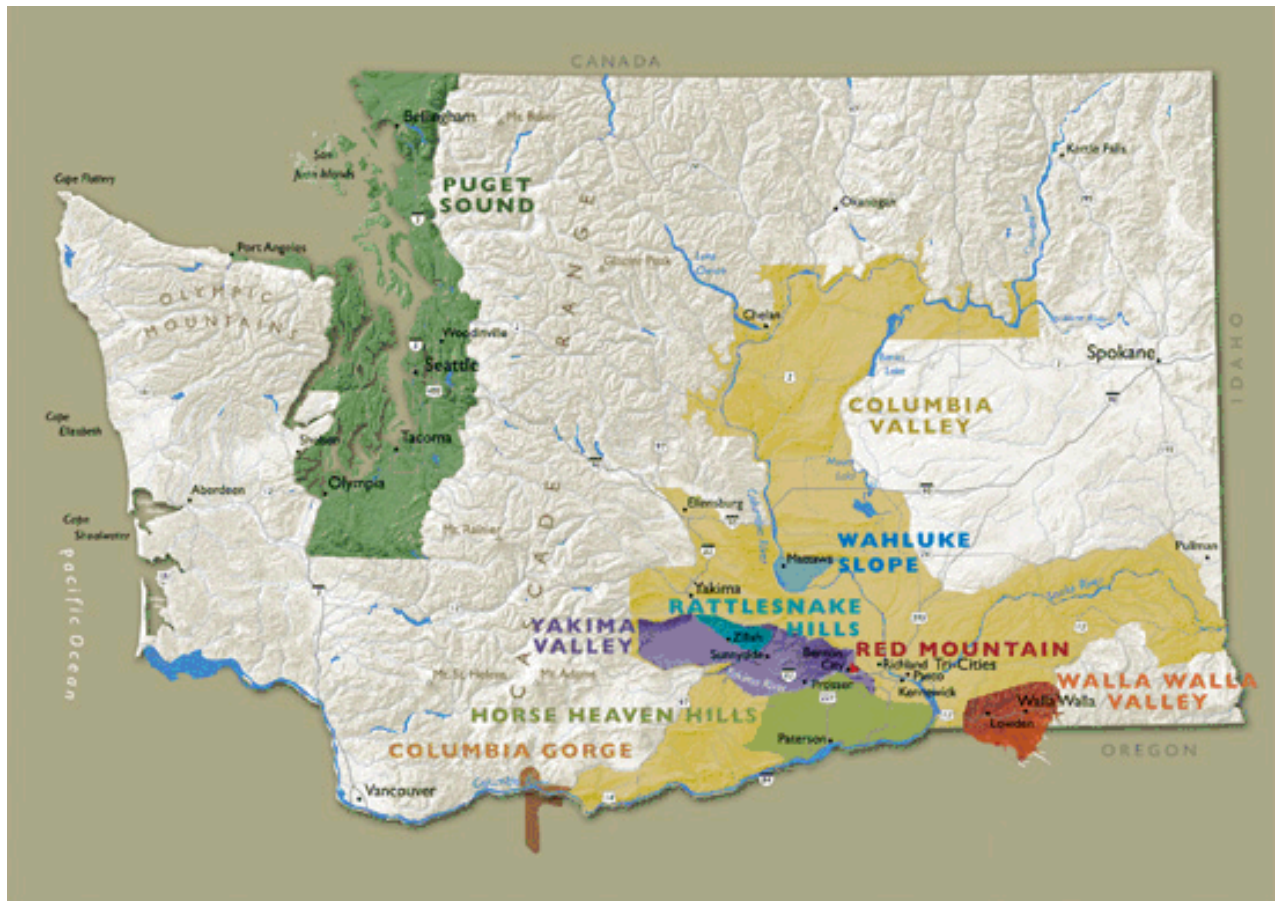


Washington Vineyard Acreage Report 2006



Posted online February 9, 2007

Acknowledgments

It is a challenging task to compile information detailed in this publication. This project would not have been possible without the assistance and support of many people and organizations. We would like to thank all of the fruit organizations in the state that supported the survey work and helped to publicize the importance of the work. We would like to thank Vicky Scharlau and Susan Pheasant for their partnership on the Risk Management Agency grant. We would like to thank the Washington Wine Commission for permission to publish the graphic on the cover.

Most importantly we would like to thank the participants who took the time from their busy schedules to provide the data compiled in this publication. Their responses provide the information for sound decision making.

Washington Vineyard Acreage Report 2006

Compiled by USDA/NATIONAL AGRICULTURAL STATISTICS SERVICE
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The Washington Wine Industry Foundation, with funding from USDA Risk Management Agency sponsored the 2006 Washington Vineyard Acreage Report as a part of a larger risk management grant partnership awarded to WWIF by the USDA. The partnership is striving to produce user-friendly, timely, basic industry information for the wine and grape industry to assist their decision-making with production, renewal, expansion, consolidation, and entry/exit. The three year grant runs until February 2007.



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Note – The original version of this document was posted February 7, 2007. Several very small changes were made in the minor variety table and the footnote to the table on page 14. For example, other white varieties changed from 167 acres to 164 acres and other red varieties changed from 315 to 317 acres. These changes also affected the other white, all white, other red and all red totals throughout the report. The updated report was re-issued February 9, 2007.

Remarks About These Data

The 2006 Grape and Tree Fruit Acreage by Variety Study was designed to measure the details about the Washington Grape and Tree Fruit industries. The data contained herein details the grape segment of the study. This is the fourth time a survey of this type has been conducted to provide detailed grape acreage information. Previous surveys were conducted in 1993, 1999 and 2002. Comparisons to previous data are shown in the publication. Grape information in the 1993 and 2006 surveys were collected as part of a larger survey detailing fruit tree and grape acreage in the state. This report is a companion to the “Washington Fruit Survey 2006” issued in December 2006.

The survey was supported by all of the major fruit organizations and publicized in many newsletters and industry publications. Orchard and vineyard operators were sent presurvey letters explaining the intent and need to report. In addition to the existing list of orchard and vineyard operations, several lists of fruit producers were obtained and matched to the existing list to maximize the coverage of the list portion of the survey. Lists from commissions, associations, county assessors, marketing orders, and others were reviewed for this effort.

The list portion of the survey included all those operations thought to have one or more acres of tree fruit or grapes. The list sample included over 4,400 operations. Nearly all operations were given an opportunity to respond by mail beginning in April 2006. A copy of the questionnaire and respondent booklet are included in this report. The beginning date of data collection was April 24, 2006. The median date of data collection was June 2. Over 90 percent of responding operations had reported by August 4. Follow-up mailings were conducted. All medium and some smaller operations were contacted for follow up by telephone. Large operations, defined as those thought to have greater than 500 acres of fruit or those with significant amounts of less prevalent fruit, were followed up with face-to-face interviews. When possible, efforts were made to use grower’s electronic records. Nearly 20,000 individual blocks of fruit information from approximately 2,600 growers who reported one or more blocks of tree fruit or grapes were tabulated. Approximately 350 reports were collected from operations reporting no longer having fruit. Most of these were operations that had very modest amounts of fruit in the past. Just over 350 additional operations from the original sample were no longer farming or had turned over management of the orchard to another entity. The remainder of the sample were nonrespondents. Most of the nonrespondents were smaller-sized operations as less efforts were made to follow-up with growers expected to report very small fruit acreages.

To evaluate the completeness of the list portion of the survey, an area study was conducted. One hundred square miles, or sections, of land containing tree fruit or grapes were statistically sampled and screened for tree fruit or grape producers. Orchard or vineyard operators in the chosen sections were recorded and compared to the names in the list portion of the sample. Those area records not present on the list represent the incompleteness of the list portion of the survey. The list portion of the survey covered 94 percent of the total acreage. Much of the acreage missed by the list portion of the survey had recently changed ownership or management. Most of the operations not present on the list were very small operations.

There were several measures employed to assure data quality. Telephone data collection was conducted using a computerized survey instrument. The survey instrument included prompts to the interviewer when unusual situations were encountered. An example would be an extremely high or low planting density. All records, including those collected by mail and face-to-face interviews, were reviewed within a computerized interactive editing system. This process ensured that records were internally consistent (e.g. acres in blocks of fruit add up to total fruit acres reported). Some data inconsistencies can best be identified by reviewing all records meeting a particular criterion. For example, a review of all Merlot grape blocks planted in the past

five years, sorted by vines per acre, would highlight blocks with usually high or low planting densities. The data in this survey were reviewed in an interactive analysis system that would facilitate these types of reviews.

A small number of operations were able to provide only partial block level information. In these cases, the averages from the reported data were used to complete the block level data. For example, a partially responding ten acre block of Chardonnay grapes planted in 2001 would have been given the vines per acre average from responding blocks of the same characteristics to estimate the total number of vines for the block.

Block level data from responding vineyards represented approximately 87 percent of the published totals for total grapes. The survey data totals were analyzed by American Viticultural Area (AVA) for reasonableness. Also, grape acreage totals from county assessor offices, data from the 2002 Census of Agriculture, the previous grape acreage survey, vineyard data from WSDA's GIS layer, and other industry data at the AVA level were considered in setting grape acreage "targets" at the state level and by AVA. Grape crush data by variety served as another measure to ensure acreage estimates were reasonable.

Once the targets were set, the adjustments were carried through to each individual responding block of data. The same adjustment process utilized in the Census of Agriculture, known as calibration, where the weights of responding blocks of fruit are adjusted within tolerance ranges of the targets, was used. Before adjustment, responding wine grape blocks had weights of one; after adjustment the average wine grape weight was 1.05.

The data in this publication are shown to the nearest acre and vine. Published items should be considered to approximate the true values. Some totals may not add due to rounding. Vines per acre were calculated before any rounding took place.

A few areas of the state are not included in an AVA. For example, wine grape growing areas in Stevens county area are not part of an AVA. The total acreage outside an established AVA is relatively small and these areas were collapsed into the Columbia Valley AVA. The Walla Walla and Columbia Gorge AVA's include parts of Oregon. The data in this report detail the Washington portions of these AVA's. For Oregon data see the companion publication on NASS's Oregon Field Office website.

Approximately, 15 acres of table grapes were reported in the survey.

Intentions for 2006

Vineyard operators were asked their intentions to remove or plant both wine and juice type grapes. Most operations indicated no change. Some firms that supplied acreage information did not provide a response to the intentions questions. Similar to the adjustments made to the block level data, adjustments were made to compensate for those not responding to any part of the survey. However, no adjustments were made for those not responding or for those that were unsure of their intentions for 2006. Data users should evaluate the intentions information considering the factors mentioned above and consider the data shown as minimum amounts.

Approximately, 1,100 acres of wine grapes were indicated to be planted in 2006. Just over 150 acres were intended for removal. In the 2005 harvest, about 250 tons of grapes were indicated not harvested due to economic reasons and another 250 tons due to bird or animal damage. Disease damage prevented the harvest of approximately 100 tons of wine grapes, while weather made nearly 1,400 tons not available for harvest. All losses of juice grapes were approximately 2,500 tons. Approximately 80 acres of juice grapes were indicated for removal and 200 were intended to be planted in 2006.

**Wine Grapes: Acreage, by Variety
Historical Comparisons
Washington**

Variety by Color	Total Acres			
	Jan. 1, 1993	July 1, 1999	Jan. 1, 2002	Jan. 1, 2006
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
White Varieties				
Chardonnay	2,600	6,100	6,640	5,992
Chenin Blanc	600	400	450	233
Gewurztraminer	300	400	670	632
Muscat Canelli	-	110	100	146
Pinot Gris	-	150	330	488
Sauvignon Blanc	800	700	710	993
Semillon	700	600	550	235
Viognier	-	60	230	362
White Riesling	2,000	1,900	2,200	4,404
Other White	100	80	120	164
Total White Varieties	7,100	10,500	12,000	13,649
Red Varieties				
Cabernet Franc	150	700	750	1,157
Cabernet Sauvignon	1,400	5,000	6,050	5,959
Grenache	-	-	-	145
Lemberger	150	150	230	79
Malbec	-	50	90	196
Merlot	1,800	5,600	5,980	5,853
Mouvedre	-	-	-	96
Petit Verdot	-	-	-	131
Pinot Noir	250	200	290	314
Sangiovese	-	100	220	206
Syrah	-	1,500	2,100	2,831
Zinfandel	-	50	70	67
Other Red	250	150	220	317
Total Red Varieties	4,000	13,500	16,000	17,351
Washington	11,100	24,000	28,000	31,000

(-) Withheld to avoid disclosing data for individual farms or no data reported.

**Wine Grapes: Acres by Variety
and American Viticultural Area
Washington, 2006**

Variety by Color	American Viticultural Area				
	Columbia Gorge	Columbia Valley	Horse Heaven Hills	Puget Sound	Rattle- snake Hills
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
White Varieties					
Chardonnay	8	1,362	1,134	8	134
Chenin Blanc	-	-	122	-	-
Gewurztraminer	26	108	64	-	15
Muscat Canelli	-	-	41	-	-
Pinot Gris	12	90	-	5	35
Sauvignon Blanc	-	160	372	-	38
Semillon	-	23	-	-	-
Viognier	-	162	82	-	10
White Riesling	62	631	904	-	275
Other White	2	25	16	48	-
Total White Varieties	114	2,620	2,803	64	519
Red Varieties					
Cabernet Franc	-	363	218	-	192
Cabernet Sauvignon	-	1,518	1,598	-	176
Grenache	-	-	50	-	-
Lemberger	-	16	22	-	-
Malbec	-	30	43	-	14
Merlot	-	1,299	1,167	-	299
Mouverdre	-	-	22	-	-
Petit Verdot	-	-	34	-	4
Pinot Noir	29	46	-	57	-
Sangiovese	-	37	37	-	-
Syrah	-	692	618	-	144
Zinfandel	-	-	-	-	-
Other Red	16	49	39	7	14
Total Red Varieties	96	4,073	3,864	66	861
Washington	210	6,693	6,667	130	1,380

(-) Withheld to avoid disclosing data for individual farms or no data reported.

**Wine Grapes: Acres by Variety
and American Viticultural Area
Washington, 2006**

Variety by Color	American Viticultural Area				
	Red Mountain	Wahluke Slope	Walla Walla Valley	Yakima Valley	State
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
White Varieties					
Chardonnay	32	516	120	2,680	5,992
Chenin Blanc	-	-	-	79	233
Gewurztraminer	-	37	-	369	632
Muscat Canelli	-	-	-	-	146
Pinot Gris	-	-	-	328	488
Sauvignon Blanc	-	59	-	332	993
Semillon	24	-	-	102	235
Viognier	-	-	15	72	362
White Riesling	-	383	-	2,146	4,404
Other White	7	13	2	-	164
Total White Varieties	94	1,059	163	6,213	13,649
Red Varieties					
Cabernet Franc	24	176	38	142	1,157
Cabernet Sauvignon	277	1,370	366	642	5,959
Grenache	-	-	-	65	145
Lemberger	-	-	-	30	79
Malbec	9	45	16	39	196
Merlot	139	1,330	225	1,381	5,853
Mouvedre	-	46	-	22	96
Petit Verdot	5	44	13	-	131
Pinot Noir	-	-	-	166	314
Sangiovese	14	24	10	75	206
Syrah	80	527	145	602	2,831
Zinfandel	-	28	-	-	67
Other Red	16	78	18	80	317
Total Red Varieties	586	3,696	837	3,272	17,351
Washington	680	4,755	1,000	9,485	31,000

(-) Withheld to avoid disclosing data for individual farms or no data reported.

**Wine Grapes: Vines by Variety
and American Viticultural Area
Washington, 2006**

Variety by Color	American Viticultural Area				
	Columbia Gorge	Columbia Valley	Horse Heaven Hills	Puget Sound	Rattle- snake Hills
	<i>Vines</i>	<i>Vines</i>	<i>Vines</i>	<i>Vines</i>	<i>Vines</i>
White Varieties					
Chardonnay	5,177	1,150,753	950,190	3,713	99,050
Chenin Blanc	-	-	88,009	-	-
Gewurztraminer	18,126	92,085	46,681	-	10,900
Muscat Canelli	-	-	30,883	-	-
Pinot Gris	9,205	80,220	-	5,910	27,920
Sauvignon Blanc	-	105,308	283,028	-	25,273
Semillon	-	14,104	-	-	-
Viognier	-	143,111	69,503	-	7,893
White Riesling	55,296	453,827	637,496	-	222,110
Other White	1,947	25,343	14,304	49,626	-
Total White Varieties	91,952	2,103,903	2,171,200	60,697	401,709
Red Varieties					
Cabernet Franc	-	297,880	204,622	-	147,640
Cabernet Sauvignon	-	1,198,866	1,362,973	-	158,600
Grenache	-	-	39,078	-	-
Lemberger	-	14,429	18,235	-	-
Malbec	-	27,398	41,141	-	12,626
Merlot	-	1,057,266	986,628	-	259,802
Mouverdre	-	-	16,432	-	-
Petit Verdot	-	-	26,026	-	3,670
Pinot Noir	18,098	63,600	-	54,961	-
Sangiovese	-	31,963	31,032	-	-
Syrah	-	591,552	527,900	-	123,099
Zinfandel	-	-	-	-	-
Other Red	10,245	37,629	31,253	2,537	10,085
Total Red Varieties	71,032	3,337,950	3,298,103	58,777	730,946
Washington	162,984	5,441,854	5,469,303	119,474	1,132,655

(-) Withheld to avoid disclosing data for individual farms or no data reported.

**Wine Grapes: Vines by Variety
and American Viticultural Area
Washington, 2006**

Variety by Color	American Viticultural Area				
	Red Mountain	Wahluke Slope	Walla Walla Valley	Yakima Valley	State
	<i>Vines</i>	<i>Vines</i>	<i>Vines</i>	<i>Vines</i>	<i>Vines</i>
White Varieties					
Chardonnay	26,611	423,221	159,146	2,170,462	4,988,323
Chenin Blanc	-	-	-	52,317	170,214
Gewurztraminer	-	35,667	-	299,889	513,091
Muscat Canelli	-	-	-	-	111,197
Pinot Gris	-	-	-	242,624	382,148
Sauvignon Blanc	-	47,315	-	274,086	761,322
Semillon	17,612	-	-	71,711	165,059
Viognier	-	-	13,132	52,906	304,674
White Riesling	-	399,461	-	1,825,414	3,596,940
Other White	4,489	14,815	1,540	-	146,574
Total White Varieties	73,013	966,459	199,494	5,071,115	11,139,542
Red Varieties					
Cabernet Franc	20,279	149,200	43,118	126,572	992,391
Cabernet Sauvignon	226,513	1,229,284	405,233	493,529	5,083,709
Grenache	-	-	-	57,454	123,877
Lemberger	-	-	-	22,833	63,190
Malbec	9,712	37,410	17,550	29,589	175,426
Merlot	117,758	1,166,933	229,400	1,078,106	4,904,464
Mouvedre	-	43,621	-	17,700	82,975
Petit Verdot	3,470	44,592	14,233	-	119,366
Pinot Noir	-	-	-	119,989	266,563
Sangiovese	13,006	21,945	9,483	66,436	181,696
Syrah	66,442	482,144	131,498	522,912	2,468,825
Zinfandel	-	25,161	-	-	59,779
Other Red	12,341	72,692	18,208	51,742	246,734
Total Red Varieties	489,085	3,294,589	875,287	2,613,226	14,768,994
Washington	562,097	4,261,049	1,074,780	7,684,341	25,908,536

(-) Withheld to avoid disclosing data for individual farms or no data reported.

**Wine Grapes: Vines per Acre by Variety
and American Viticultural Area
Washington, 2006**

Variety by Color	American Viticultural Area				
	Columbia Gorge	Columbia Valley	Horse Heaven Hills	Puget Sound	Rattle- snake Hills
	<i>Vines/Acre</i>	<i>Vines/Acre</i>	<i>Vines/Acre</i>	<i>Vines/Acre</i>	<i>Vines/Acre</i>
White Varieties					
Chardonnay	685	845	838	490	739
Chenin Blanc	-	-	719	-	-
Gewurztraminer	685	854	734	-	709
Muscat Canelli	-	-	746	-	-
Pinot Gris	773	887	-	1,198	801
Sauvignon Blanc	-	660	760	-	667
Semillon	-	613	-	-	-
Viognier	-	885	846	-	812
White Riesling	897	719	705	-	808
Other White	974	1,014	894	1,034	-
Total White Varieties	804	803	775	952	774
Red Varieties					
Cabernet Franc	-	820	941	-	769
Cabernet Sauvignon	-	790	853	-	902
Grenache	-	-	786	-	-
Lemberger	-	892	812	-	-
Malbec	-	911	948	-	926
Merlot	-	814	845	-	869
Mouverdre	-	-	743	-	-
Petit Verdot	-	-	767	-	874
Pinot Noir	632	1,393	-	965	-
Sangiovese	-	872	835	-	-
Syrah	-	854	855	-	855
Zinfandel	-	-	-	-	-
Other Red	640	768	801	362	720
Total Red Varieties	742	820	854	887	849
Washington	776	813	820	919	821

(-) Withheld to avoid disclosing data for individual farms or no data reported.

**Wine Grapes: Vines per Acre by Variety
and American Viticultural Area
Washington, 2006**

Variety by Color	American Viticultural Area				
	Red Mountain	Wahluke Slope	Walla Walla Valley	Yakima Valley	State
	<i>Vines/Acre</i>	<i>Vines/Acre</i>	<i>Vines/Acre</i>	<i>Vines/Acre</i>	<i>Vines/Acre</i>
White Varieties					
Chardonnay	828	820	1,331	810	832
Chenin Blanc	-	-	-	665	731
Gewurztraminer	-	973	-	813	812
Muscat Canelli	-	-	-	-	762
Pinot Gris	-	-	-	739	782
Sauvignon Blanc	-	800	-	825	767
Semillon	745	-	-	703	704
Viognier	-	-	891	738	841
White Riesling	-	1,044	-	851	817
Other White	641	1,140	770	-	894
Total White Varieties	777	912	1,221	816	816
Red Varieties					
Cabernet Franc	837	847	1,125	892	857
Cabernet Sauvignon	818	897	1,108	768	853
Grenache	-	-	-	881	852
Lemberger	-	-	-	751	804
Malbec	1,136	829	1,089	765	897
Merlot	846	878	1,018	781	838
Mouvedre	-	952	-	819	862
Petit Verdot	707	1,007	1,128	-	911
Pinot Noir	-	-	-	723	849
Sangiovese	945	921	935	889	883
Syrah	827	915	909	868	872
Zinfandel	-	908	-	-	894
Other Red	771	932	1,012	647	778
Total Red Varieties	835	891	1,046	799	851
Washington	827	896	1,075	810	836

(-) Withheld to avoid disclosing data for individual farms or no data reported.

**Wine Grapes: Acres by Year Planted and Variety
Washington, 2006**

Variety	Year Planted							Total
	Prior to 1986	1986-1990	1991-1995	1996-2000	2001-2002	2003-2004	2005	
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
White Varieties								
Chardonnay	1,244	939	845	2,640	259	31	34	5,992
Chenin Blanc	220	-	-	-	-	-	-	233
Gewurztraminer	168	30	85	216	38	79	16	632
Muscat Canelli	86	-	-	-	-	-	-	146
Pinot Gris	61	8	111	168	18	37	86	488
Sauvignon Blanc	521	27	59	240	31	77	39	993
Semillon	154	26	-	19	-	11	7	235
Viognier	-	-	10	226	59	27	32	362
White Riesling	1,909	77	234	394	647	736	408	4,404
Other White	-	17	-	62	16	18	25	164
Total White Varieties	4,392	1,123	1,370	3,972	1,071	1,063	657	13,649
Red Varieties								
Cabernet Franc	165	65	125	726	25	43	9	1,157
Cabernet Sauvignon	915	399	511	3,126	728	227	52	5,959
Grenache	-	-	-	63	6	-	22	145
Lemberger	21	-	-	38	-	-	-	79
Malbec	-	-	24	71	28	32	13	196
Merlot	710	491	1,154	3,096	219	148	35	5,853
Mouvedre	-	-	-	10	42	33	10	96
Petit Verdot	-	-	-	23	48	32	18	131
Pinot Noir	133	48	15	38	63	12	-	314
Sangiovese	-	-	13	123	35	30	-	206
Syrah	95	36	251	1,821	185	341	103	2,831
Zinfandel	-	-	7	37	-	10	-	67
Other Red	55	3	21	93	58	50	38	317
Total Red Varieties	2,155	1,071	2,140	9,264	1,442	967	312	17,351
Washington	6,547	2,194	3,511	13,236	2,513	2,030	969	31,000

(-) Withheld to avoid disclosing data for individual farms or no data reported.

**Wine Grapes: Vines by Year Planted and Variety
Washington, 2006**

Variety	Year Planted							Total
	Prior to 1986	1986-1990	1991-1995	1996-2000	2001-2002	2003-2004	2005	
	<i>Vines</i>	<i>Vines</i>	<i>Vines</i>	<i>Vines</i>	<i>Vines</i>	<i>Vines</i>	<i>Vines</i>	<i>Vines</i>
White Varieties								
Chardonnay	866,471	717,220	669,578	2,402,059	274,933	28,444	29,618	4,988,323
Chenin Blanc	163,245	-	-	-	-	-	-	170,214
Gewurztraminer	118,987	21,431	63,987	194,583	35,179	67,295	11,628	513,091
Muscat Canelli	59,488	-	-	-	-	-	-	111,197
Pinot Gris	46,153	7,644	82,866	115,970	18,481	34,303	76,731	382,148
Sauvignon Blanc	358,830	17,588	52,146	207,475	23,416	67,828	34,039	761,322
Semillon	110,174	18,330	-	10,908	-	11,403	4,740	165,059
Viognier	-	-	8,286	194,790	41,934	22,140	31,715	304,674
White Riesling	1,322,509	48,636	173,341	321,321	682,292	678,670	370,171	3,596,940
Other White	-	19,692	-	55,458	12,335	17,947	24,284	146,574
Total White Varieties	3,064,749	850,541	1,065,488	3,505,165	1,091,535	970,200	591,864	11,139,542
Red Varieties								
Cabernet Franc	121,005	39,980	102,110	660,293	29,034	31,813	8,156	992,391
Cabernet Sauvignon	589,096	304,859	432,598	2,820,367	656,812	228,945	51,031	5,083,709
Grenache	-	-	-	57,962	3,304	-	19,702	123,877
Lemberger	15,481	-	-	32,365	-	-	-	63,190
Malbec	-	-	21,709	65,495	23,919	31,173	12,978	175,426
Merlot	485,695	356,003	956,018	2,719,770	210,358	146,744	29,876	4,904,464
Mouvedre	-	-	-	5,668	36,599	31,004	8,611	82,975
Petit Verdot	-	-	-	16,297	48,294	32,626	13,990	119,366
Pinot Noir	88,845	35,358	11,844	56,386	56,206	15,670	-	266,563
Sangiovese	-	-	11,751	104,513	32,849	28,317	-	181,696
Syrah	75,066	26,226	216,123	1,548,071	181,504	329,114	92,721	2,468,825
Zinfandel	-	-	6,306	31,491	-	10,409	-	59,779
Other Red	27,415	1,952	17,570	71,865	46,079	49,881	31,971	246,734
Total Red Varieties	1,446,325	786,004	1,793,004	8,190,545	1,329,323	943,993	279,800	14,768,994
Washington	4,511,074	1,636,545	2,858,492	11,695,710	2,420,858	1,914,193	871,664	25,908,536

(-) Withheld to avoid disclosing data for individual farms or no data reported.

**Wine Grapes: Vines per Acre by Year Planted and Variety
Washington, 2006**

Variety	Year Planted							Total
	Prior to 1986	1986- 1990	1991- 1995	1996- 2000	2001- 2002	2003- 2004	2005	
	<i>Vines/Acre</i>	<i>Vines/Acre</i>	<i>Vines/Acre</i>	<i>Vines/Acre</i>	<i>Vines/Acre</i>	<i>Vines/Acre</i>	<i>Vines/Acre</i>	<i>Vines/Acre</i>
White Varieties								
Chardonnay	697	764	792	910	1,061	923	872	832
Chenin Blanc	742	-	-	-	-	-	-	731
Gewurztraminer	707	719	752	901	921	853	741	812
Muscat Canelli	690	-	-	-	-	-	-	762
Pinot Gris	754	995	746	689	1,034	936	896	782
Sauvignon Blanc	689	663	889	865	766	875	876	767
Semillon	714	699	-	568	-	1,030	726	704
Viognier	-	-	792	862	715	810	995	841
White Riesling	693	631	742	816	1,055	922	907	817
Other White	-	1,158	-	894	771	997	971	894
Total White Varieties	698	757	778	882	1,019	913	901	816
Red Varieties								
Cabernet Franc	731	618	818	909	1,184	739	917	857
Cabernet Sauvignon	644	763	847	902	902	1,008	987	853
Grenache	-	-	-	918	584	-	901	852
Lemberger	726	-	-	861	-	-	-	804
Malbec	-	-	917	919	868	982	982	897
Merlot	684	725	828	879	960	994	849	838
Mouvedre	-	-	-	580	867	935	868	862
Petit Verdot	-	-	-	710	1,001	1,012	790	911
Pinot Noir	667	738	790	1,471	886	1,262	-	849
Sangiovese	-	-	924	849	940	953	-	883
Syrah	794	736	860	850	981	964	902	872
Zinfandel	-	-	891	863	-	1,000	-	894
Other Red	498	651	837	773	794	998	841	778
Total Red Varieties	671	734	838	884	922	976	897	851
Washington	689	746	814	884	963	943	900	836

(-) Withheld to avoid disclosing data for individual farms or no data reported.

**Wine Grapes: Acres, Vines, Vines per Acre by Year Planted and AVA
Washington, 2006**

AVA	Year Planted							
	Prior to 1986	1986-1990	1991-1995	1996-2000	2001-2002	2003-2004	2005	Total
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Columbia Gorge	111	-	-	28	-	14	14	210
Columbia Valley	1,671	179	372	3,650	586	152	82	6,693
Horse Heaven Hills	1,975	227	488	3,544	-	205	124	6,667
Puget Sound	-	15	-	22	45	-	-	130
Rattlesnake Hills	559	74	36	362	120	102	127	1,380
Red Mountain	76	229	123	146	81	-	-	680
Wahluke Slope	445	-	805	2,143	798	431	-	4,755
Walla Walla Valley	-	-	44	585	164	170	18	1,000
Yakima Valley	1,680	1,371	1,626	2,757	590	928	532	9,485
Washington	6,547	2,194	3,511	13,236	2,513	2,030	969	31,000
	<i>Vines</i>	<i>Vines</i>	<i>Vines</i>	<i>Vines</i>	<i>Vines</i>	<i>Vines</i>	<i>Vines</i>	<i>Vines</i>
Columbia Gorge	83,392	-	-	13,731	-	20,559	14,648	162,984
Columbia Valley	1,129,271	136,825	295,157	3,096,981	582,582	133,810	67,227	5,441,854
Horse Heaven Hills	1,376,774	181,408	391,773	3,161,815	-	161,696	108,484	5,469,303
Puget Sound	-	18,778	-	20,839	38,152	-	-	119,474
Rattlesnake Hills	411,939	70,524	33,544	335,495	99,055	87,869	94,229	1,132,655
Red Mountain	60,131	169,714	95,508	121,231	85,035	-	-	562,097
Wahluke Slope	327,567	-	683,437	1,929,857	801,230	409,984	-	4,261,049
Walla Walla Valley	-	-	43,291	617,428	190,398	189,888	18,384	1,074,780
Yakima Valley	1,099,104	983,900	1,303,351	2,398,334	519,969	876,382	503,301	7,684,341
Washington	4,511,074	1,636,545	2,858,492	11,695,710	2,420,858	1,914,193	871,664	25,908,536
	<i>Vines/Acre</i>	<i>Vines/Acre</i>	<i>Vines/Acre</i>	<i>Vines/Acre</i>	<i>Vines/Acre</i>	<i>Vines/Acre</i>	<i>Vines/Acre</i>	<i>Vines/Acre</i>
Columbia Gorge	750	-	-	495	-	1,465	1,043	776
Columbia Valley	676	763	793	848	994	881	823	813
Horse Heaven Hills	697	799	803	892	-	789	874	820
Puget Sound	-	1,273	-	952	844	-	-	919
Rattlesnake Hills	737	953	942	926	823	865	740	821
Red Mountain	791	741	777	832	1,049	-	-	827
Wahluke Slope	737	-	849	901	1,005	951	-	896
Walla Walla Valley	-	-	993	1,055	1,163	1,114	1,022	1,075
Yakima Valley	654	718	801	870	881	945	945	810
Washington	689	746	814	884	963	943	900	836

(-) Withheld to avoid disclosing data for individual farms or no data reported.

**Wine Grapes: Minor Varieties by Acres, Vines and Vines per Acre
Washington, 2006**

Variety by Color	Acres	Vines	Vines per Acre
Other White Varieties			
Aligote	5	3,569	698
Madeleine Angevine	15	16,864	1,132
Madeleine Sylvaner	6	5,681	1,011
Muller-Thurgau	12	12,698	1,046
Pinot Blanc	11	9,741	851
Rousanne	53	48,831	929
Siegerrebe	18	20,365	1,102
Other Minor White ¹	45	28,825	648
Total Other White Varieties	164	146,574	894
Other Red Varieties			
Barbera	59	41,923	708
Campbell Early	8	2,857	377
Carmenere	12	10,239	823
Cinsault	44	30,448	692
Cournoise	21	18,348	855
Dolcetto	9	8,130	904
Marechal Foch	9	7,261	849
Nebbiolo	15	12,177	794
Tempranillo	37	33,426	897
Other Minor Red ²	102	81,924	806
Total Other Red Varieties	317	246,734	778

¹ Includes white varieties: Aurore, Cascade, Chasselas, Golden Muscat, Muscat of Alexandria, Muscat Ottonel, New York Muskat, Okanagan Riesling, Orange Muscat, and other unspecified white varieties.

² Includes red or blush varieties: Gamay Beaujolais, Gamay Noir, Joffre, Leon Milot, Royalty, Souzao, Tinta Maderia, Tinto Cao, Touriga, and other unspecified red or blush varieties.

(-) Withheld to avoid disclosing data for individual farms or no data reported.

**Juice Grapes: Acres, Vines, Vines per Acre by Year Planted
Washington, 2006**

Variety	Year Planted							
	Prior to 1986	1986-1990	1991-1995	1996-2000	2001-2002	2003-2004	2005	Total
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Concord	15,694	1,601	2,450	2,434	1,399	-	-	23,989
Niagara	460	1,013	126	353	24	-	-	2,000
Washington	16,154	2,614	2,576	2,788	1,423	330	105	25,989
	<i>Vines</i>	<i>Vines</i>	<i>Vines</i>	<i>Vines</i>	<i>Vines</i>	<i>Vines</i>	<i>Vines</i>	<i>Vines</i>
Concord	10,412,650	1,111,139	1,808,400	1,618,427	1,051,501	-	-	16,352,602
Niagara	331,795	687,285	91,741	270,476	15,544	-	-	1,411,066
Washington	10,744,445	1,798,423	1,900,141	1,888,903	1,067,045	293,113	71,598	17,763,668
	<i>Vines/Acre</i>	<i>Vines/Acre</i>	<i>Vines/Acre</i>	<i>Vines/Acre</i>	<i>Vines/Acre</i>	<i>Vines/Acre</i>	<i>Vines/Acre</i>	<i>Vines/Acre</i>
Concord	663	694	738	665	752	-	-	682
Niagara	721	679	729	765	641	-	-	706
Washington	665	688	738	678	750	889	683	683

(-) Withheld to avoid disclosing data for individual farms or no data reported.



Grape & Tree Fruit Acreage Inventory by Variety Study January 1, 2006



Washington Field Office
P.O. Box 609
1111 Washington St SE
Olympia, WA 98504
Phone 1-800-435-5883, Fax 360-902-2091
nass-wa@nass.usda.gov

Information is being gathered for an inventory of Washington fruit acreage by variety and rootstock as of January 1, 2006. Your voluntary response is needed for accurate estimates. All reports will be kept confidential. Survey results will be published and available to you on Internet or by mail.

Please make corrections to name, address, and zip code, if necessary.

1. Is the operation listed on the label known by any OTHER NAME?
() NO () YES - Secondary Name(s) _____

Segment	Tract
801	802

2. Are you involved as THE OPERATOR of fruit acreage under another operation name?
() NO - skip to item 3 () YES - enter information for other orchard(s) you operate below.

Operation Name	County	Total Acres of Fruit
_____	_____	_____
_____	_____	_____

3. Is there any other operator that could report the same acreage for the operation on the label?
() NO - Skip to item 4 () YES - Who might also report this acreage? _____

Note: Information recorded in this questionnaire should be for the operation as printed or corrected on the label as of January 1, 2006. Information for additional operations listed in item 2 should be reported on separate questionnaires.

ACRES OPERATED – JANUARY 1, 2006

4. Total Acres in Operation (include roads, waste areas, other crops, etc.)	201	.____
5. Total Cropland.....	202	.____
6. Total Fruit Acreage (including grapes)	203	.____

SUMMARY OF GRAPE & TREE FRUIT ACREAGE – JANUARY 1, 2006

7. As of January 1, 2006, record the acres of fruit (excluding roads, waste areas, abandoned orchards/vineyards) to the nearest tenth acre.

TREE FRUIT	TOTAL ACRES (Tenths)	TREE FRUIT	TOTAL ACRES (Tenths)
Apples	204 .____	Nectarines	211 .____
Pears, Bartlett	205 .____	Plums/Prunes	212 .____
Pears, Winter	206 .____	GRAPES	
Cherries, Sweet	207 .____	Grapes, Wine	213 .____
Cherries, Tart	208 .____	Grapes, Juice	214 .____
Apricots	209 .____	Grapes, Table	215 .____
Peaches	210 .____		

INSTRUCTIONS FOR RECORDING DETAILED INFORMATION

Information should be recorded by **COUNTY, BLOCK NAME, FRUIT TYPE, VARIETY, ROOTSTOCK** (only for apples, cherries, and pears), **YEAR PLANTED OR TOPWORKED**, and **AMERICAN VITICULTURAL AREA** (for Wine Grapes). The reference date is **January 1, 2006**.

(Columns 1-2) The county where the fruit is located should be recorded on the first line for each fruit. Use a separate line for each variety, rootstock (for apples, cherries, and pears), and year planted or topworked.

(Column 3, Optional) Record block name, for our reference.

(Columns 4-7) Record the type and variety of the fruit. Enclosed is a listing of the major varieties.

(Column 8) For apples, pears, and cherries, record the root stock code.

(Column 9) Enter the year of planting or year topworked for each line.

(Column 10) Record the acres of fruit (excluding roads, waste areas, abandoned orchards/vineyards) to the nearest tenth acre.

(Columns 11-12) Record the number of trees/vines for each line by bearing age and non-bearing age. The operator makes the determination in classifying trees/vines as bearing age. Exclude non-harvested pollenizers in tree count.

(Column 13) For wine grapes only, record the most definitive American Viticultural Area code for each block.

Include additional or clarifying information for unusual situations (irregular tree spacing patterns or interplant designs, multiple row plantings, etc.) in the comments section or on a separate enclosure.

EXCLUDE:
Non-Harvested Pollenizers
2006 Plantings

Grape and Tree Fruit Acreage for

L i n e	1	2	3	4	5	6	7
	County Name	County Code <i>[Enter code from box above]</i> CODE	Block Name (Optional)	Fruit Type	Fruit Code <i>[Enter code from box above]</i> CODE	Variety Name	Variety Code <i>[Enter code from Respondent Booklet]</i> CODE
001		301			302		303
002		301			302		303
003		301			302		303
004		301			302		303
005		301			302		303
006		301			302		303
007		301			302		303
008		301			302		303
009		301			302		303
010		301			302		303

County Codes for Column 2	
01 Adams	41 Lewis
03 Asotin	43 Lincoln
05 Benton	45 Mason
07 Chelan	47 Okanogan
09 Clallam	49 Pacific
11 Clark	51 Pend Oreille
13 Columbia	53 Pierce
15 Cowlitz	55 San Juan
17 Douglas	57 Skagit
19 Ferry	59 Skamania
21 Franklin	61 Snohomish
23 Garfield	63 Spokane
25 Grant	65 Stevens
27 Grays Harbor	67 Thurston
29 Island	69 Wahkiakum
31 Jefferson	71 Walla Walla
33 King	73 Whatcom
35 Kitsap	75 Whitman
37 Kittitas	77 Yakima
39 Klickitat	

Fruit Type Codes for Column 5
420 Apples
456 Pears, Bartlett
457 Pear, Winter
430 Cherries, Sweet
432 Cherries, Tart
421 Apricots
450 Peaches
439 Nectarines
449 Plums/Prunes
444 Grapes, Juice
443 Grapes, Wine
445 Grapes, Table

Rootstock Codes For Column 8
1 Dwarf
2 Semi-dwarf
3 Standard

Year Codes for Column 9
1 Prior to 1986
2 1986-1990
3 1991-1995
4 1996-2000
5 2001
6 2002
7 2003
8 2004
9 2005

American Viticultural Area Codes for Column 13
1 Columbia Gorge
2 Columbia Valley
3 Horse Heaven Hills
4 Puget Sound
5 Rattlesnake Hills
6 Red Mountain
7 Wahluke Slope
8 Walla Walla Valley
9 Yakima Valley

Operation on Label - January 1, 2006

L I N e	8 Rootstock Code <i>[Record code only for apples, pears and cherries.]</i> CODE	9 YearPlanted/ Topworked Code <i>[Enter code from table above]</i> CODE	10 Total Acres In Block (Tenths) ACRES	Number of Trees/Vines		13 American Viticultural Area Code <i>[For wine grapes, enter the most definitive code from table above.]</i> CODE	14 Notes
	11 Number of Bearing Age Trees/Vines	12 Number of Non-Bearing Age Trees/Vines					
001	304	305	306	307	308	309	
002	304	305	306	307	308	309	
003	304	305	306	307	308	309	
004	304	305	306	307	308	309	
005	304	305	306	307	308	309	
006	304	305	306	307	308	309	
007	304	305	306	307	308	309	
008	304	305	306	307	308	309	
009	304	305	306	307	308	309	
010	304	305	306	307	308	309	

Based on your plans now, please record your intentions to topwork (tree fruit), remove, or plant acreage by fruit from January 1 to December 31, 2006 in the first half of the table below. (Record acres in tenths for each activity.) Also, record the quantity of grapes not harvested and losses of 2005 crop grapes in the second half of the table.

FRUIT	Intentions to Topwork, Plant or Remove Acreage			Tons of grapes not harvested due to economic reasons (market conditions, labor, etc.)	Losses of Grapes in 2005 [Not available for harvest due to:]		
	TOPWORK	REMOVE	PLANT		Bird/Animal Damage (Tons)	Disease Damage (Tons)	Weather Damage (Tons)
Apples	222 .__	223 .__	263 .__				
Pears, Bartlett	280 .__	224 .__	264 .__				
Pears, Winter	281 .__	225 .__	265 .__				
Cherries, Sweet	282 .__	226 .__	266 .__				
Cherries, Tart	283 .__	227 .__	267 .__				
Apricots	284 .__	228 .__	268 .__				
Peaches	285 .__	229 .__	269 .__				
Nectarines	286 .__	230 .__	270 .__				
Plums/Prunes	287 .__	231 .__	271 .__				
Grapes, Wine		232 .__	272 .__	288	291	294	297
Grapes, Juice		233 .__	273 .__	289	292	295	298
Grapes, Table		234 .__	274 .__	290	293	296	299

COMMENTS about unusual situations that would be helpful in understanding your operation would be appreciated.

Social Security Number: Employment Identification Number:

Disclosure of your social security number (SSN) and employer identification number (EIN) is voluntary and is collected under the General Authority of Title 7, Section 2204 of the U.S. Code. Your number(s) will be used only to identify and remove duplication from lists of farm operators.

If you would like to receive a copy of the survey results by mail, please check here. **CODE**

Survey results will be available on the Internet at <http://www.nass.usda.gov/wa/>.

If additional help is needed, please call (360)902-1940 or 1-800-435-5883.

Reported by _____ Date _____ Phone _____

R. Unit	Resp.	Resp. Code	Enum.	Eval.	Julian Date	Key Julian Dates		
						April 01 - 091	June 25 - 145	August 15 - 196
921	101	910	098	100	987	15 - 105	1 - 152	25 - 206
			POID for Additional Questionnaires			25 - 115	15 - 166	01 - 213
S/E Name			789			May 01 - 121	25 - 176	15 - 227
						15 - 135	July 01 - 182	25 - 237

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The time required to complete this information collection is estimated to average 15 minutes per response.

Respondent Booklet

2006 Grape and Fruit Tree Acreage Study

COUNTY CODES - Column 2

1	Adams
3	Asotin
5	Benton
7	Chelan
9	Clallam
11	Clark
13	Columbia
15	Cowlitz
17	Douglas
19	Ferry
21	Franklin
23	Garfield
25	Grant
27	Grays Harbor
29	Island
31	Jefferson
33	King
35	Kitsap
37	Kittitas
39	Klickitat
41	Lewis
43	Lincoln
45	Mason
47	Okanogan
49	Pacific
51	Pend Oreille
53	Pierce
55	San Juan
57	Skagit
59	Skamania
61	Snohomish
63	Spokane
65	Stevens
67	Thurston
69	Wahkiakum
71	Walla Walla
73	Whatcom
75	Whitman
77	Yakima

FRUIT TYPE CODES - Column 5

420	Apples
421	Apricots
430	Cherries, Sweet
432	Cherries, Tart
444	Grapes, Juice
443	Grapes, Wine

445	Grapes, Table
439	Nectarines
450	Peaches
456	Pears, Bartlett
457	Pears, Winter
449	Plums & Prunes

VARIETY CODES - Column 7

APPLE VARIETIES

103	Akane
104	Ambrosia
105	Braeburn
107	Cameo
109	Chehalis
110	Crimson Gold
149	Cripps Pink (Pink Lady)
113	Criterion
114	Earligold
116	Elstar (Valstar)
117	Fuji / Red Fuji
102	Gala
119	Ginger Gold
121	Golden Delicious (Standard)
120	Golden Delicious (Smoother / Gibson)
122	Golden Supreme
123	Granny Smith
125	Gravenstein
127	Honeycrisp
131	Jonagold
133	Jonathan (Ruby Jon)
139	McIntosh
158	Prime Gold
101	Red Delicious
156	Rome (Red Rome)
155	Spartan
157	Winesap
198	Other

APRICOT VARIETIES

202	Blenheim
221	Casselbrite
220	Chinese
201	Goldbar
206	Goldcot
203	Goldrich
204	Goldstrike
222	Moorpark
207	Patterson

209	Perfection
210	Puget Gold
211	Riland
213	Rival
215	Sun-glo
217	Tilton
219	Tomcot
205	Wenatchee Moorpark
298	Other

CHERRY (All) VARIETIES

301	Attika
302	Balaton (Tart Cherry)
304	Benton
303	Bing (excl Sunset Bing)
305	Black Republican
310	Black Tartarian
306	Brooks
308	Casmer
307	Chelan
309	Chinook
312	Cristalina
332	Dnoex
314	Early Robin
316	Emperor Francis
318	Gold
328	Index
311	Lambert
313	Lapins
320	Montmorency (Tart Cherry)
315	Rainier
317	Regina
319	Royal Ann
322	Sam
324	Sandra Rose
326	Santina
330	Schneider
333	Selah (Liberty Bell)
321	Skeena
323	Sonata
325	Stella
334	Sumleta
335	Sumnue
338	Sunset Bing
327	Sweetheart
329	Tieton
336	Ulster
331	Van
337	Zing
398	Other

GRAPES, JUICE VARIETIES

901 Concord
 902 Niagara
 908 Other

GRAPES, TABLE VARIETIES

918 All Varieties

GRAPES, WINE VARIETIES

920 Aligote
 921 Aureore
 922 Barbera
 923 Cabernet Franc
 924 Cabernet Sauvignon
 925 Campbell Early (Island Belle)
 926 Carmenere
 927 Cascade
 928 Chardonnay
 929 Chasselas
 930 Chenin Blanc
 931 Cinsaut
 932 Cournoise
 933 Dolcetto
 934 Gamay Beaujolais
 935 Gamay Noir
 936 Gewurztraminer
 937 Golden Muscat
 938 Grenache
 939 Joffre
 940 Lemberger
 941 Leon Milot
 942 Madeline Angevine
 943 Madeline Sylvaner
 944 Malbec
 945 Marechal Foch
 946 Merlot
 947 Mouverdre
 948 Mueller-Thurgau
 949 Muscat Canelli
 950 Muscat of Alexandria
 951 Muscat Ottonel
 952 Nebbiolo
 953 New York Muscat
 954 Okanogan Riesling
 955 Orange Muscat
 956 Petit Verdot
 957 Pinot Blanc
 958 Pinot Gris
 959 Pinot Noir
 960 Riesling
 961 Rousanne
 962 Royalty
 963 Sangiovese
 964 Sauvignon blanc
 965 Semillon
 966 Siegerrebe
 967 Souzao

968 Syrah
 969 Tempranillo
 970 Tinta Madeira
 971 Tinto Cao
 972 Touriga
 973 Viognier
 974 White Zinfandel
 975 Zinfandel
 998 Other

NECTARINE VARIETIES

406 Arctic Glo
 402 Arctic Pride
 401 Arctic Queen
 408 Arctic Rose
 427 August Red
 428 Autumn Red
 403 Bright Pearl
 429 Byrd
 404 Crystal Rose
 416 Early Red
 430 Fairlane
 405 Fantasia
 418 Fire Sweet
 407 Firebrite
 431 Fireburst
 432 First Red
 433 Flame
 409 Flavortop
 410 Independence
 434 Laurie Red
 411 Red Gold
 413 Scarlet Sun
 435 September Red
 436 Sparkling Red
 412 Spring Brite
 414 Spring Diamond
 437 Summer Beaut
 417 Summer Blush
 415 Summer Bright
 419 Summer Fire
 438 Summer Grand
 439 Sunfree
 423 Sun Glo
 421 Supreme Red
 424 Sweet Scarlet
 425 Western Pride
 426 Zee Gold
 498 Other

PEACH VARIETIES

570 Allstar
 501 Angelus
 571 Arctic Gem
 510 August Lady
 572 Avalon
 573 Baby Gold 5
 574 Blazingstar

502 Blushing Star
 532 Brendasun
 575 Canadian Harmony
 576 Coral Star
 504 Cresthaven
 530 Crimson Lady
 508 David Sun
 503 Delta
 505 Diamond Princess
 507 Elberta
 509 Elegant Lady
 580 Encore
 511 Fancy Lady
 513 Flamecrest
 514 Flaming Fury
 515 Flavorcrest
 581 Glohaven
 517 Glory
 582 Glowingstar
 516 Gold Medal
 518 Golden Alberta
 583 Golden Jubilee
 584 Goldnine (Arkansas 9)
 519 Hale
 521 John Henry
 534 June Lady
 520 July Sun
 523 June Pride
 524 Jupiter
 525 Lady Nancy
 585 Loring
 586 M A Blake
 587 Madison
 588 Newhaven
 527 NJ252
 529 O'Henry
 531 PF series (PF Lucky 13)
 590 Red Freemont
 589 Red Freemont
 533 Red Glove
 519 Red Hale
 535 Red Haven
 591 Red Lady
 536 Red Top
 592 Redglobe
 593 Redskin
 594 Redstar
 537 Regal
 539 Regina
 541 Rich Lady
 542 Rio oso Gem
 543 Risingstar
 545 Rosa
 547 Ryan Sun
 548 Saturn
 538 Scarlet Lady
 568 Sierra Lady
 549 Sierra Gem

550 Snow Fire
 551 Snow Giant
 553 Snow King
 555 Snowbrite
 512 Starfire
 557 Sugar Lady
 559 Summer Lady
 561 Summer Prince
 563 Summer Sweet
 564 Suncrest
 526 Tiffany Rose
 528 Veteran
 540 White Hale
 506 White Donut
 565 White Lady
 567 Zee Lady
 598 Other

PEAR (BARTLETT) VARIETIES

601 Bartlett (other)
 605 Bartlett (red strains, Red Sensation)
 698 Other

PEAR (WINTER) VARIETIES

701 Asian
 703 Bosc
 720 Bosc, Golden
 704 Cascade
 705 Comice
 707 Concorde
 709 D'Anjou
 711 D'Anjou, Red
 712 Kalle
 713 Packham
 715 Red Clapp
 717 Seckel
 719 Taylors Gold
 798 Other

PLUM & PRUNE VARIETIES

801 Autumn Sweet
 803 Black Amber
 802 Bluefre
 804 Castleton
 812 Catalina
 806 Damson
 805 Duarte
 807 Early Italian
 808 Elephant Heart
 811 Empress
 813 Friar
 809 Late Italian (Standard Italian)

814 NY 6
 816 NY 9
 815 President
 819 Santa Rosa
 821 Shiro
 822 Simka
 823 Stanley
 810 Yellow Egg
 898 Other

ROOTSTOCK CODES FOR APPLES, PEARS AND CHERRIES - Column 8

1 Dwarf
 2 Semi-dwarf
 3 Standard

YEAR CODES - Column 9

1 Prior to 1986
 2 1986-1990
 3 1991-1995
 4 1996-2000
 5 2001
 6 2002
 7 2003
 8 2004
 9 2005

AMERICAN VITICULTURAL AREA CODES - Column 13

1 Columbia Gorge
 2 Columbia Valley
 3 Horse Heaven Hills
 4 Puget Sound
 5 Rattlesnake Hills
 6 Red Mountain
 7 Wahluke Slope
 8 Walla Walla Valley
 9 Yakima Valley