



## **AGRICULTURAL LABOR EMPLOYMENT AND WAGE TRENDS**

**DECEMBER 2006**



Prepared by

John Wines, Economic Analyst  
Judy Anderson, Data Compiler

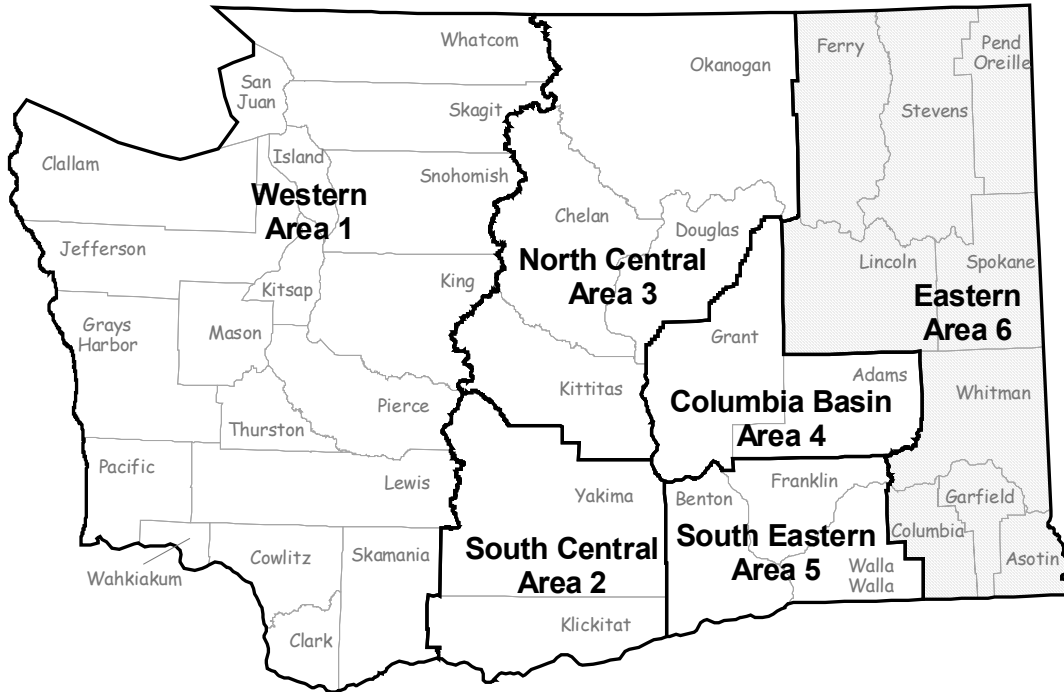
Labor Market and Economic Analysis Branch  
Greg Weeks, Director  
Washington State Employment Security Department

For More Information Contact: John Wines Telephone: (360) 438-4843  
E-mail: [jwines@esd.wa.gov](mailto:jwines@esd.wa.gov) or call the Labor Market  
Information Center toll free: 1-800-215-1617

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DECEMBER 2006

## Agricultural Reporting Areas in Washington State



### Counties Within Agricultural Reporting Areas

**Area 1** = Clallam, Clark, Cowlitz, Grays Harbor, Island, Jefferson, King, Kitsap, Lewis, Mason, Pacific, Pierce, San Juan, Skagit, Skamania, Snohomish, Thurston, Wahkiakum and Whatcom

**Area 2** = Klickitat and Yakima

**Area 3** = Chelan, Douglas, Kittitas and Okanogan

**Area 4** = Adams and Grant

**Area 5** = Benton, Franklin and Walla Walla

**Area 6** = Asotin, Columbia, Ferry, Garfield, Lincoln, Pend Oreille, Spokane, Stevens and Whitman

## EXECUTIVE SUMMARY

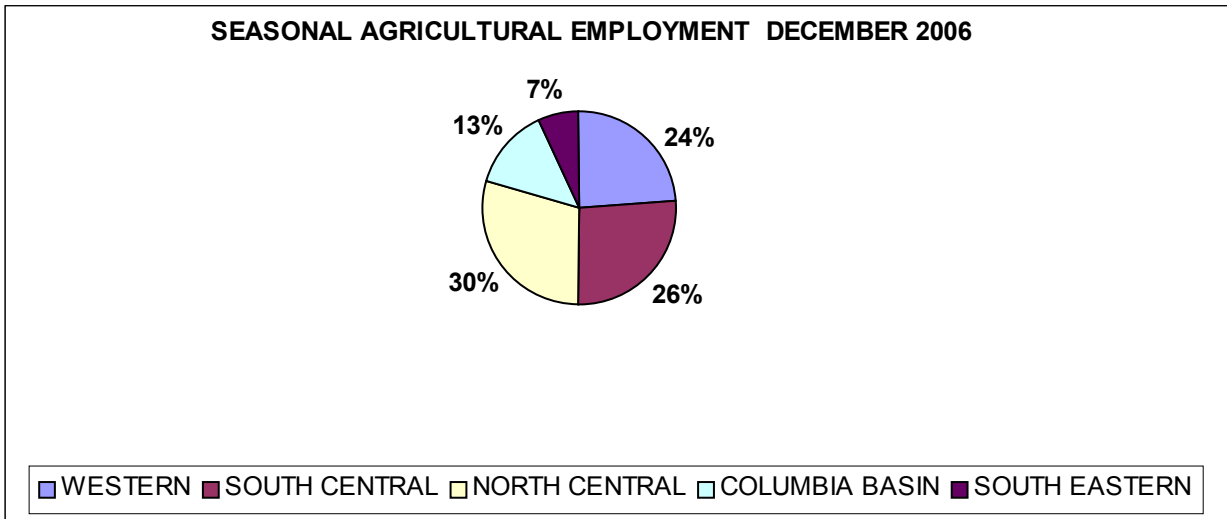
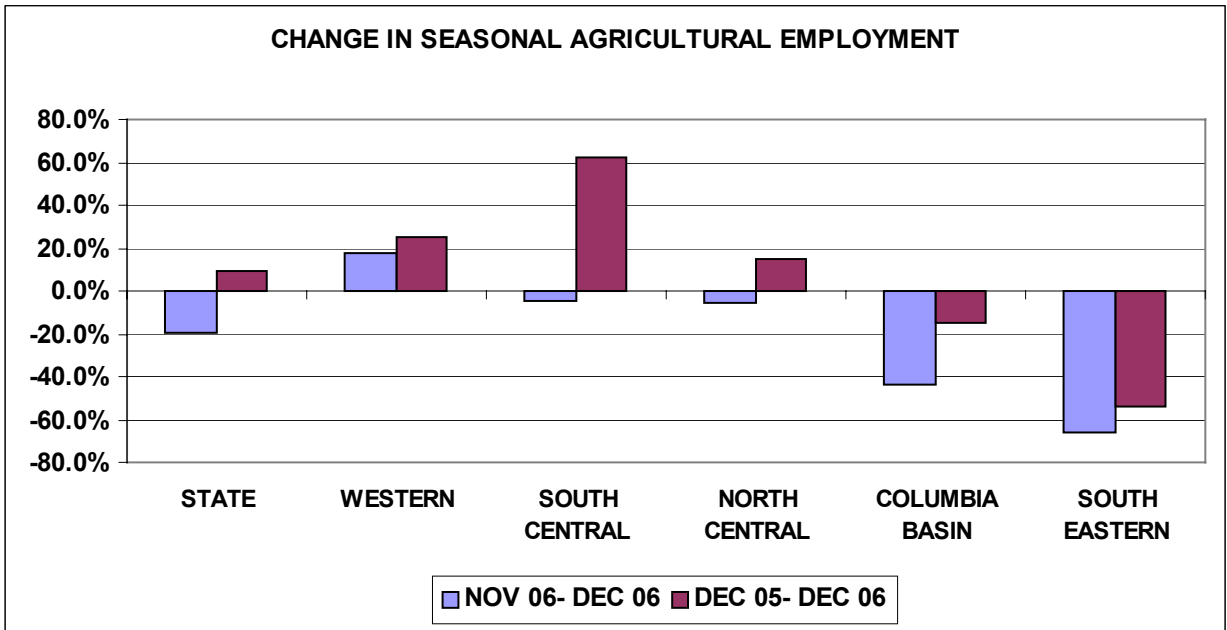
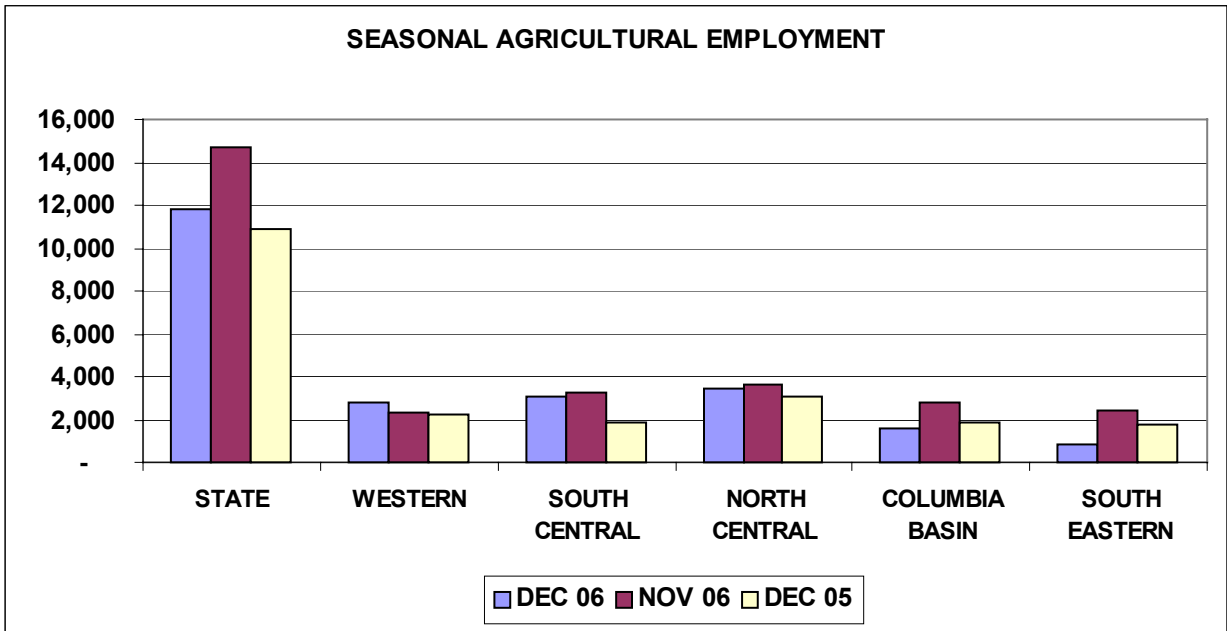
Statewide seasonal employment grew by 9.3% from December 2005 to December 2006. Agricultural activities displaying over-the-year gains were apple work (808), potato work (527), nursery work (354), cherry work (139), other seasonal work (91), miscellaneous vegetables work (73), wheat/grain work (40), grapes work (23), and bulb work (6). Activities displaying loses were onion work (-556), other tree fruit work (-152), hops work (-104), blueberry work (-99), pear work (-87), and raspberry work (-52). Across the state, Western (Area 1) seasonal employment moved forward by 25.1%, thanks to an increase in potato work (455). South Central (Area 2) seasonal employment bounded ahead by a large 62.0%, due to a bump in apple work (1,264). North Central (Area 3) seasonal employment grew by 14.6%, courtesy of an increase in apple work (318). Columbia Basin (Area 4) seasonal employment fell by 14.9%, caused by a decline in apple work (-354). South Eastern (Area 5) seasonal employment contracted by 54.0%, forced down by a drop in onion work (-450). Eastern (Area 6) seasonal employment ramped up by 240.0%, due to a growth in nursery work (44).

## ECONOMIC FACTORS IMPACTING AGRICULTURE

The wine grape industry looks promising in Washington State as well as throughout the U.S. While worldwide wine supplies far outstrip demand, growth continues in the premium wine segment. Last year, U.S. sales of premium table wines, those priced over \$7 per 750-ml bottle, accounted for 32 percent of the sales volume, but 64 percent of total revenues. Premium wines are the fastest growing market segment in terms of sales, and the most profitable. Since 1991, wine sales in the United States have increased by slightly more than 50 percent. Washington, the nation's No. 2 wine-producing state, has nearly 500 wineries. About 350 growers produce wine grapes on 28,000 acres in Washington State. This year's crop production forecast was for 120,000 tons, up 9 percent from 2005, according to the Washington Agricultural Statistics Service in Olympia. The statewide harvest was about 110,000 tons last year.

In a recent vote, asparagus growers lost the vote on the Peruvian trade agreement. A controversial six-month extension of the Andean Trade Preferences Act, vigorously opposed by the Washington asparagus industry, was a provision in a series of bills given final approval by a single vote in the U.S. Senate. The act was due to expire at the end of the year. U.S. asparagus growers have long criticized the act, which gives duty free access to the U.S. market for Peruvian asparagus growers in hopes they will export asparagus instead of drugs. In comments on the House floor, Rep. Doc Hastings, a Pasco Republican who voted against the bill, chastised the act for failing to reduce Peruvian drug imports while crippling Washington growers.

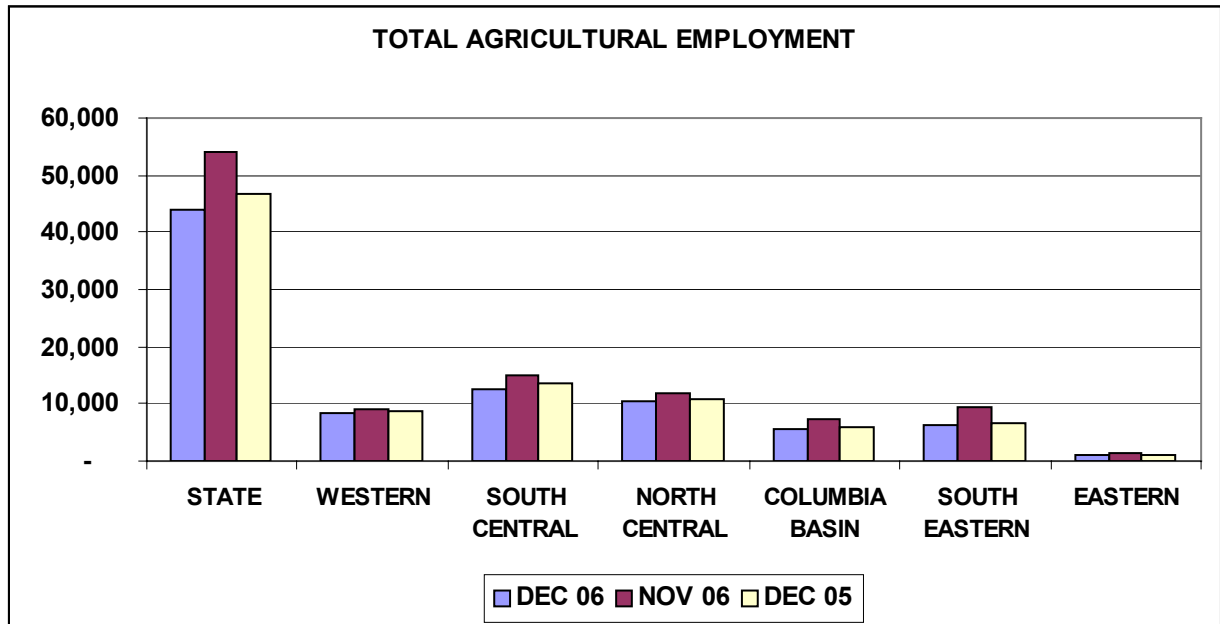
SEASONAL AGRICULTURAL EMPLOYMENT							
	<u>DEC 06</u>	<u>NOV 06</u>	<u>DEC 05</u>	CHANGE		PERCENT CHANGE	
				<u>NOV 06- DEC 06</u>	<u>DEC 05- DEC 06</u>	<u>NOV 06- DEC 06</u>	<u>DEC 05- DEC 06</u>
STATE	11,855	14,673	10,845	(2,818)	1,010	-19.2%	9.3%
WESTERN	2,790	2,372	2,231	418	559	17.6%	25.1%
SOUTH CENTRAL	3,066	3,222	1,893	(156)	1,173	-4.8%	62.0%
NORTH CENTRAL	3,470	3,674	3,029	(204)	441	-5.6%	14.6%
COLUMBIA BASIN	1,584	2,793	1,862	(1,209)	(278)	-43.3%	-14.9%
SOUTH EASTERN	826	2,433	1,795	(1,607)	(969)	-66.1%	-54.0%
EASTERN	119	179	35	(60)	84	-33.5%	240.0%



## TOTAL AGRICULTURAL EMPLOYMENT SUMMARY

Statewide total agricultural employment fell by 5.7% from December 2005 to December 2006. Over-the-month total employment contracted by 18.8%. Over-the-year regionally, Western (Area 1) total employment decreased by 5.7%. South Central (Area 2) total employment contracted by 5.5%. North Central (Area 3) total employment softened by 5.3%. Columbia Basin (Area 4) total employment slowed by 6.2%. South Eastern (Area 5) total employment scaled back by 6.5%. Eastern (Area 6) total employment dipped by 3.6%.

	TOTAL AGRICULTURAL EMPLOYMENT							
				CHANGE		PERCENT CHANGE		
	<u>DEC 06</u>	<u>NOV 06</u>	<u>DEC 05</u>	<u>NOV 06- DEC 06</u>	<u>DEC 05- DEC 06</u>	<u>NOV 06- DEC 06</u>	<u>DEC 05- DEC 06</u>	
STATE	44,041	54,210	46,692	(10,169)	(2,651)	-18.8%	-5.7%	
WESTERN	8,215	9,200	8,714	(985)	(499)	-10.7%	-5.7%	
SOUTH CENTRAL	12,700	15,136	13,439	(2,436)	(739)	-16.1%	-5.5%	
NORTH CENTRAL	10,384	11,900	10,970	(1,516)	(586)	-12.7%	-5.3%	
COLUMBIA BASIN	5,438	7,301	5,796	(1,863)	(358)	-25.5%	-6.2%	
SOUTH EASTERN	6,224	9,450	6,654	(3,226)	(430)	-34.1%	-6.5%	
EASTERN	1,080	1,222	1,120	(142)	(40)	-11.6%	-3.6%	

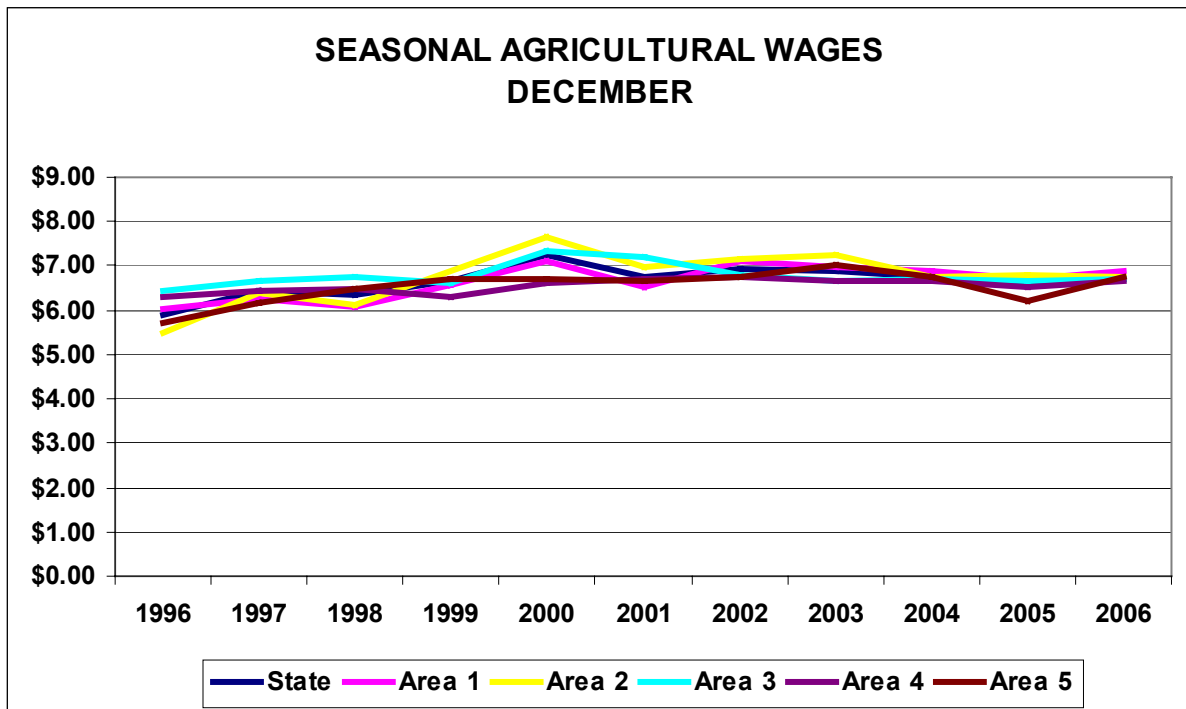


## STATEWIDE AND REGIONAL WAGE TRENDS

Statewide real seasonal agricultural wages expanded by 13.3% from December 1996 to December 2006. Washington State real minimum wages grew by 21.5% during this same time period. Statewide real agricultural seasonal wages rose by 1.3% from December 2005 to December 2006. The state minimum wage increased by 1.2% during this same time period. Western (Area 1) seasonal wages moved forward by 2.5% from December 2005 to December 2006. South Central (Area 2) seasonal wages slipped by 0.7% for that same time period. North Central (Area 3) seasonal wages advanced by 1.0% for that same time period. Columbia Basin (Area 4) seasonal wages nudged ahead by 1.6% for that same time period. South Eastern (Area 5) seasonal wages moved forward by 8.7% during that same time period.

SEASONAL AGRICULTURAL WAGES*											
DECEMBER											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
<b>State</b>	\$5.91	\$6.41	\$6.35	\$6.68	\$7.23	\$6.75	\$6.94	\$6.91	\$6.73	\$6.60	\$6.69
<b>Area 1</b>	\$6.04	\$6.28	\$6.09	\$6.58	\$7.11	\$6.54	\$7.10	\$6.97	\$6.90	\$6.70	\$6.87
<b>Area 2</b>	\$5.49	\$6.39	\$6.11	\$6.90	\$7.65	\$6.96	\$7.16	\$7.22	\$6.73	\$6.80	\$6.75
<b>Area 3</b>	\$6.44	\$6.67	\$6.77	\$6.62	\$7.32	\$7.18	\$6.81	\$6.65	\$6.69	\$6.66	\$6.73
<b>Area 4</b>	\$6.29	\$6.43	\$6.47	\$6.32	\$6.60	\$6.71	\$6.77	\$6.67	\$6.65	\$6.55	\$6.65
<b>Area 5</b>	\$5.71	\$6.17	\$6.46	\$6.71	\$6.71	\$6.67	\$6.76	\$7.03	\$6.73	\$6.23	\$6.77

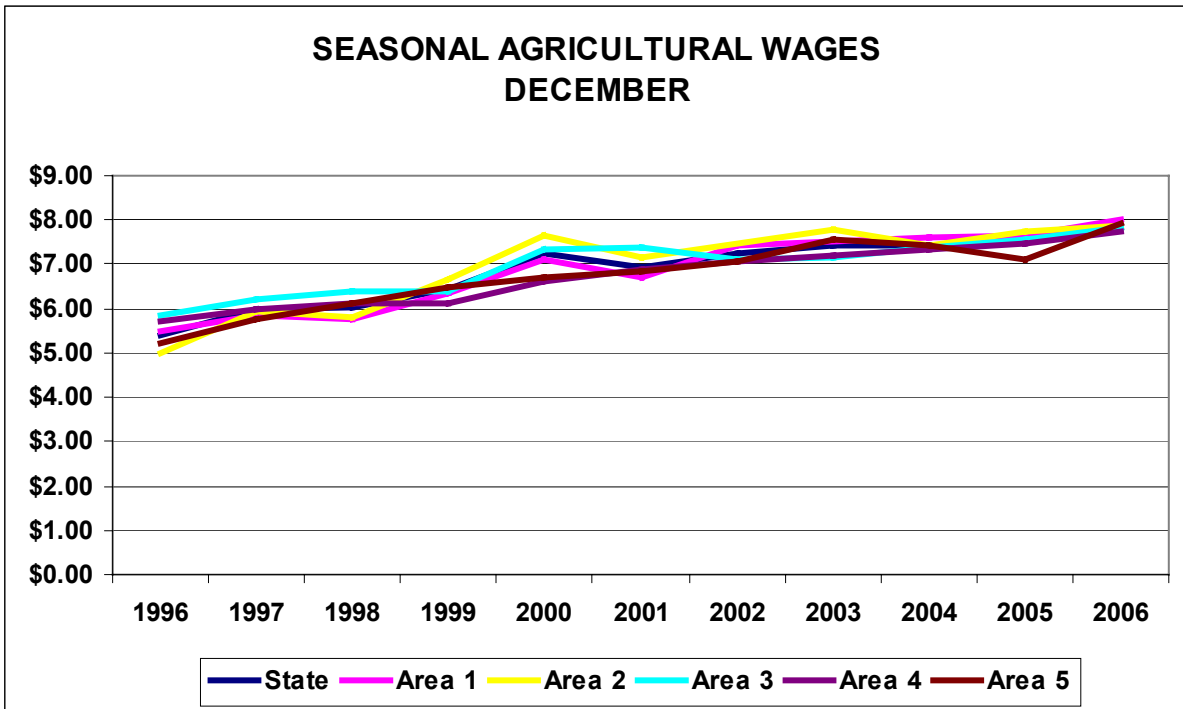
\*Real 2000 Adjusted Dollars



Statewide non-adjusted seasonal agricultural wages increased by 45.1% from December 1996 to December 2006. Washington State non-adjusted minimum wages expanded by 55.7% during this same time period. Statewide non-adjusted agricultural seasonal wages grew by 3.9% from December 2005 to December 2006. The state minimum wage expanded by 3.8% during this same time period. Western (Area 1) seasonal wages moved ahead by 5.1% from December 2005 to December 2006. South Central (Area 2) seasonal wages advanced by 1.8% for that same time period. North Central (Area 3) seasonal wages grew by 3.6% for that same time period. Columbia Basin (Area 4) seasonal wages expanded by 4.2% for that same time period. South Eastern (Area 5) seasonal wages rose by 11.4% during that same time period.

<b>SEASONAL AGRICULTURAL WAGES**</b>											
<b>DECEMBER</b>											
	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>
<b>State</b>	\$5.38	\$5.98	\$6.02	\$6.46	\$7.23	\$6.94	\$7.24	\$7.44	\$7.43	\$7.52	\$7.81
<b>Area 1</b>	\$5.50	\$5.85	\$5.77	\$6.36	\$7.11	\$6.72	\$7.41	\$7.51	\$7.62	\$7.63	\$8.02
<b>Area 2</b>	\$5.00	\$5.96	\$5.79	\$6.67	\$7.65	\$7.15	\$7.48	\$7.78	\$7.43	\$7.74	\$7.88
<b>Area 3</b>	\$5.87	\$6.22	\$6.41	\$6.40	\$7.32	\$7.38	\$7.11	\$7.16	\$7.39	\$7.58	\$7.85
<b>Area 4</b>	\$5.73	\$5.99	\$6.13	\$6.11	\$6.60	\$6.90	\$7.07	\$7.18	\$7.34	\$7.45	\$7.76
<b>Area 5</b>	\$5.20	\$5.75	\$6.12	\$6.49	\$6.71	\$6.86	\$7.06	\$7.57	\$7.43	\$7.09	\$7.90

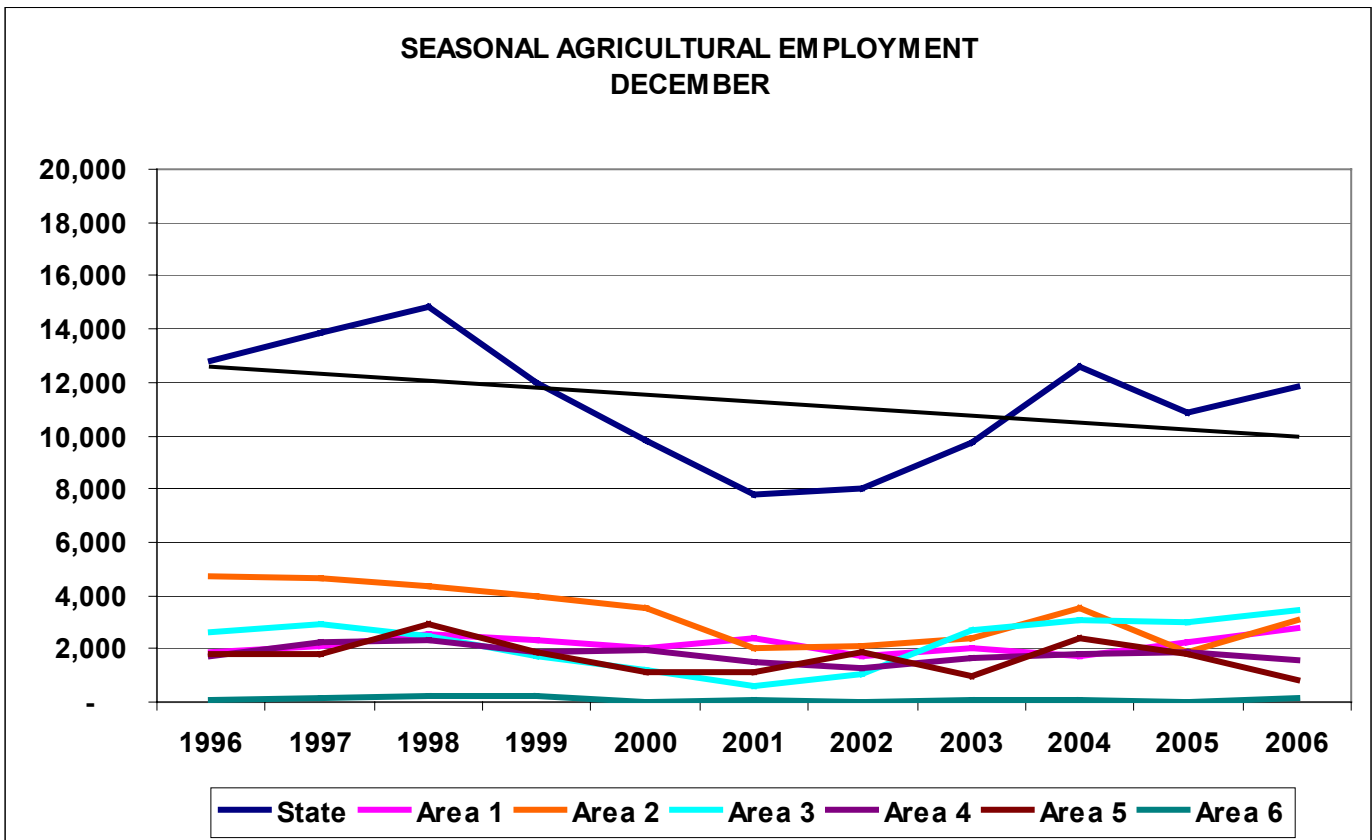
**\*\*Non-Adjusted Dollars**



## STATEWIDE AND REGIONAL EMPLOYMENT TRENDS

Statewide seasonal agricultural employment fell by 7.3% from December 1996 to December 2006. Statewide seasonal agricultural employment expanded by 9.3% from December 2005 to December 2006. Western (Area 1) seasonal employment increased 25.1% from December 2005 to December 2006. South Central (Area 2) seasonal employment advanced by 62.0% during that same time period. North Central (Area 3) seasonal employment increased by 14.6% for that same time period. Columbia Basin seasonal employment fell by 14.9% during that same time period. South Eastern (Area 5) seasonal employment declined by 54.0% over that same time period. Eastern (Area 6) seasonal employment grew by 240.0% during that same time period.

SEASONAL AGRICULTURAL EMPLOYMENT DECEMBER											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
<b>State</b>	12,783	13,823	14,853	11,954	9,786	7,780	8,045	9,758	12,585	10,845	11,855
<b>Area 1</b>	1,843	2,077	2,556	2,297	2,017	2,383	1,760	2,039	1,722	2,231	2,790
<b>Area 2</b>	4,684	4,648	4,378	4,005	3,528	2,056	2,060	2,377	3,556	1,893	3,066
<b>Area 3</b>	2,641	2,918	2,474	1,735	1,162	616	1,076	2,670	3,051	3,029	3,470
<b>Area 4</b>	1,737	2,267	2,303	1,877	1,945	1,530	1,245	1,634	1,784	1,862	1,584
<b>Area 5</b>	1,788	1,787	2,951	1,849	1,106	1,153	1,902	992	2,386	1,795	826
<b>Area 6</b>	90	126	191	191	28	42	2	46	86	35	119





## STATEWIDE AND REGIONAL TRENDS

**Statewide** seasonal employment increased by 9.3% from December 2005 to December 2006. Seasonal employment fell by 19.2% statewide from November 2006 to December 2006. The crop adding the most jobs from December 2005 to December 2006 was apple work (808). Onion work displayed the greatest decline in employment (-556) for that same time period. Raspberry work gained the largest amount of employment (231) from November 2006 to December 2006. Apple work showed the largest downturn in employment (-2,724) during that same time period. The statewide weighted seasonal average wage for hourly paid farm workers for December 2006 was \$7.90 per hour.

STATEWIDE SEASONAL AGRICULTURAL EMPLOYMENT**							
STATE	CHANGE			PERCENT CHANGE			
	DEC 06	NOV 06	DEC 05	NOV 06- DEC 06	DEC 05- DEC 06	NOV 06- DEC 06	DEC 05- DEC 06
Apples	6,917	9,641	6,109	(2,724)	808	-28.3%	13.2%
Blueberry	24	5	123	19	(99)	380.0%	-80.5%
Bulb	115	0	109	115	6	NA	5.5%
Cherries	300	157	161	143	139	91.1%	86.3%
Grapes	254	457	231	(203)	23	-44.4%	10.0%
Hops	3	60	107	(57)	(104)	-95.0%	-97.2%
Misc Vegetables	211	312	138	(101)	73	-32.4%	52.9%
Nursery	972	823	618	149	354	18.1%	57.3%
Onion	94	260	650	(166)	(556)	-63.8%	-85.5%
Other Seasonal	408	428	317	(20)	91	-4.7%	28.7%
Other Tree Fruit	280	351	432	(71)	(152)	-20.2%	-35.2%
Pears	355	182	442	173	(87)	95.1%	-19.7%
Potato	925	1,213	398	(288)	527	-23.7%	132.4%
Raspberry	923	692	975	231	(52)	33.4%	-5.3%
Wheat/Grain	75	86	35	(11)	40	-12.8%	114.3%

\*\*Crop detail may not add due to rounding

**Western (Area 1)** seasonal employment moved ahead by 25.1% from December 2005 to December 2006. Seasonal employment advanced by 17.6% from November 2006 to December 2006. Potato work expanded by the largest amount of employment (455) from December 2005 to December 2006. Blueberry work displayed the largest over-the-year loss in jobs (-99) for that same time period. Raspberry work exhibited the greatest employment gain (231) from November 2006 to December 2006. Potato work showed the largest loss in jobs (-70) during that same time period. The weighted seasonal average wage for hourly paid farm workers for December 2006 in Area 1 was \$8.02 per hour. (See pages 19 -20 for Area 1 detail)

**AREA 1 SEASONAL AGRICULTURAL EMPLOYMENT**

WESTERN				CHANGE		PERCENT CHANGE	
	<u>DEC 06</u>	<u>NOV 06</u>	<u>DEC 05</u>	<u>NOV 06- DEC 06</u>	<u>DEC 05- DEC 06</u>	<u>NOV 06- DEC 06</u>	<u>DEC 05- DEC 06</u>
<b>CROP</b>							
Blueberry	24	5	123	19	(99)	380.0%	-80.5%
Bulb	115	0	109	115	6	NA	5.5%
Misc Vegetables	166	168	98	(2)	68	-1.2%	69.4%
Nursery	735	641	598	94	137	14.7%	22.9%
Other Seasonal	188	153	143	35	45	22.9%	31.5%
Potato	640	710	185	(70)	455	-9.9%	245.9%
Raspberry	923	692	975	231	(52)	33.4%	-5.3%
**Crop detail may not add due to rounding							

**South Central (Area 2)** seasonal employment jumped forward by 62.0% from December 2005 to December 2006. Seasonal employment pulled back by 4.8% from November 2006 to December 2006. Apple work displayed the largest increase in jobs (1,264) from December 2005 to December 2006. Pear work posted the largest over-the-year decline in employment (-178) for that same time period. Pear work registered the largest over-the-month gain in jobs (85) from November 2006 to December 2006. Apple work lost the largest amount of employment (-197) for that same time period. The weighted seasonal average wage for hourly paid farm workers for December 2006 in Area 2 was \$7.88 per hour. (See pages 21 -22 for Area 2 detail)

**AREA 2 SEASONAL AGRICULTURAL EMPLOYMENT**

SOUTH CENTRAL				CHANGE		PERCENT CHANGE	
	<u>DEC 06</u>	<u>NOV 06</u>	<u>DEC 05</u>	<u>NOV 06- DEC 06</u>	<u>DEC 05- DEC 06</u>	<u>NOV 06- DEC 06</u>	<u>DEC 05- DEC 06</u>
<b>CROP</b>							
Apples	2,642	2,839	1,378	(197)	1,264	-6.9%	91.7%
Cherries	18	16	21	2	(3)	12.5%	-14.3%
Grapes	242	215	154	27	88	12.6%	57.1%
Hops	0	60	0	(60)	0	NA	NA
Misc Vegetables	27	40	40	(13)	(13)	-32.5%	-32.5%
Other Seasonal	37	37	16	0	21	NA	131.3%
Other Tree Fruit	0	0	5	0	(5)	NA	NA
Pears	101	16	279	85	(178)	531.3%	-63.8%
**Crop detail may not add due to rounding							

**North Central (Area 3)** seasonal employment advanced by 14.6% from December 2005 to December 2006. However, seasonal employment declined by 5.6% from November 2006 to December 2006. Apple work grew by the largest amount of employment (318) from December 2005 to December 2006. Other tree fruit work showed the greatest loss in jobs (-83) for that same time period. Other tree fruit added the largest number of jobs (89) from November 2006 to December 2006. Apple work exhibited the largest over-the-month decline in employment (-427) during that same time period. The weighted seasonal average wage for hourly paid farm workers for December 2006 in Area 3 was \$7.85 per hour. (See pages 23 - 24 for Area 3 detail)

<b>AREA 3 SEASONAL AGRICULTURAL EMPLOYMENT</b>							
<b>NORTH CENTRAL</b>							
<b>CROP</b>				<b>CHANGE</b>		<b>PERCENT CHANGE</b>	
	<b>DEC 06</b>	<b>NOV 06</b>	<b>DEC 05</b>	<b>NOV 06- DEC 06</b>	<b>DEC 05- DEC 06</b>	<b>NOV 06- DEC 06</b>	<b>DEC 05- DEC 06</b>
Apples	3,007	3,434	2,689	(427)	318	-12.4%	11.8%
Cherries	29	29	39	0	(10)	NA	-25.6%
Other Seasonal	108	42	8	66	100	157.1%	1250.0%
Other Tree Fruit	92	3	175	89	(83)	2966.7%	-47.4%
Pears	235	166	118	69	117	41.6%	99.2%
**Crop detail may not add due to rounding							

**Columbia Basin (Area 4)** seasonal employment contracted by 14.9% from December 2005 to December 2006. Seasonal employment fell by 43.3% from November 2006 to December 2006. Nursery work displayed the greatest increase in employment (173) from December 2005 to December 2006. Apple work shed the largest number of jobs (-354) during that same time period. Nursery work logged the greatest gain in employment (93) from November 2006 to December 2006. Apple work lost the largest number of jobs (-757) during that same time period. The weighted seasonal average wage for hourly paid farm workers for December 2006 in Area 4 was \$7.76 per hour. (See pages 25 - 26 for Area 4 detail)

<b>AREA 4 SEASONAL AGRICULTURAL EMPLOYMENT</b>							
<b>COLUMBIA BASIN</b>							
<b>CROP</b>				<b>CHANGE</b>		<b>PERCENT CHANGE</b>	
	<b>DEC 06</b>	<b>NOV 06</b>	<b>DEC 05</b>	<b>NOV 06- DEC 06</b>	<b>DEC 05- DEC 06</b>	<b>NOV 06- DEC 06</b>	<b>DEC 05- DEC 06</b>
Apples	808	1,565	1,162	(757)	(354)	-48.4%	-30.5%
Cherries	113	70	9	43	104	61.4%	1155.6%
Misc Vegetables	0	8	0	(8)	0	NA	NA
Nursery	190	97	17	93	173	95.9%	1017.6%
Onion	84	242	190	(158)	(106)	-65.3%	-55.8%
Other Seasonal	6	55	91	(49)	(85)	-89.1%	-93.4%
Other Tree Fruit	96	334	178	(238)	(82)	-71.3%	-46.1%
Pears	19	0	45	19	(26)	NA	-57.8%
Potato	269	406	170	(137)	99	-33.7%	58.2%
Wheat	0	14	0	(14)	0	NA	NA
**Crop detail may not add due to rounding							

**South Eastern (Area 5)** seasonal employment softened by 54.0% from December 2005 to December 2006. Seasonal employment also declined by 66.1% from November 2006 to December 2006. Cherry work advanced with the largest employment gain (48) from December 2005 to December 2006. Onion work lost the largest number of jobs (-450) during that same time period. Cherry work added the most jobs (98) from November 2006 to December 2006. Apple work experienced the largest monthly job loss (-1,343) for that same time period. The weighted seasonal average wage for hourly paid farm workers for December 2006 in Area 5 was \$7.90 per hour. (See pages 27 - 28 for Area 5 detail)

<b>AREA 5 SEASONAL AGRICULTURAL EMPLOYMENT</b>							
<b>SOUTH EASTERN</b>							
<b>CROP</b>				<b>CHANGE</b>		<b>PERCENT CHANGE</b>	
	<b>DEC 06</b>	<b>NOV 06</b>	<b>DEC 05</b>	<b>NOV 06- DEC 06</b>	<b>DEC 05- DEC 06</b>	<b>NOV 06- DEC 06</b>	<b>DEC 05- DEC 06</b>
Apples	460	1,803	880	(1,343)	(420)	-74.5%	-47.7%
Cherries	140	42	92	98	48	233.3%	52.2%
Grapes	12	242	77	(230)	(65)	-95.0%	-84.4%
Hops	3	0	107	3	(104)	NA	-97.2%
Misc Vegetables	18	96	0	(78)	18	-81.3%	NA
Onion	10	18	460	(8)	(450)	-44.4%	-97.8%
Other Seasonal	60	117	50	(57)	10	-48.7%	20.0%
Other Tree Fruit	92	14	74	78	18	557.1%	24.3%
Potatoes	16	97	43	(81)	(27)	-83.5%	-62.8%
Wheat/Grain	12	2	12	10	0	500.0%	NA
**Crop detail may not add due to rounding							

**Eastern (Area 6)** seasonal employment did not meet the criterion of 500 seasonal employees and therefore is not published for the month of December.

## **LABOR SUPPLY**

New survey questions were inserted into the December survey. The first question asked growers if they failed to complete some work due to lack of available seasonal labor. For November, 400 questionnaires were sent to the employers in the survey. Of these 400, 305 were returned. Of the 305 returned, 305 provided usable answers to the question of labor shortage. These report their rate of labor shortage in the panel below. These statistics are unweighted.

### **RESPONSE RATES TO LABOR SHORTAGE QUESTION INDICATING A POSITIVE**

<b>REPORTED LABOR SHORTAGE</b>	
<b>State</b>	2.0%
<b>Area 1</b>	2.2%
<b>Area 2</b>	2.1%
<b>Area 3</b>	5.7%
<b>Area 4</b>	1.4%
<b>Area 5</b>	1.3%
<b>Area 6</b>	0.0%

## Methodology

The "Agricultural Workforce Report" uses data from the monthly Seasonal Farm Labor Survey. This is a survey of 600 agricultural growers in the state. They report monthly the number of total and seasonal workers by crop, activity, and wage. Both hourly and piece rates are used. "Seasonal" workers for the purpose of the survey are those working less than 150 days per year. The state is grouped into six areas based on agricultural economic similarity. The tables and charts presented compare the seasonal agricultural employment for the state and the six areas for the current month, previous month and year ago. Percentage increases as well as raw numbers are given. The weighted monthly wage for seasonal employment is given for the state and the six areas. Each crop activity having significant employment is noted as a percentage change for previous month and year ago. The crops having the highest gain and highest decline in employment are highlighted in the narrative. The Farm Labor Abstract is also included. This contains the top four crop activities by employment and wage for each of the six areas. Piece rates are given in addition to hourly wages when available and disclosable. Some variation in the reporting of the seasonal data can be attributed to the requirement that employment be reported in the pay period including the 12<sup>th</sup> of the month. Due to the fact that the timing of a given crop's harvest and other activities can be affected by weather and other conditions, periods of peak employment do not always fit precisely within this reporting period. This can lead to some variation of estimated employment by crop when comparing activity in similar time periods. The report is used by economists, growers' associations, educators, state agencies, labor unions and outreach workers.

### Related Ag Links:

Click on <http://www.nass.usda.gov/wa> for Washington crop harvest and weather information. Click on <http://www.usda.gov/oce/oce/labor-affairs/whatsnew.htm> for What's New in Agricultural Employment.

# DOMESTIC AGRICULTURAL LABOR REPORT

Washington State Employment Security, Labor Market and Economic Analysis

## SEASONAL LABOR ABSTRACT DECEMBER 2006

A mid-month survey of farm labor employment and wages is conducted by the Washington State Employment Security Department. At least five percent of all growers are surveyed for employment data about seasonal workers, type of crop, work activity, wages and their residence. Based on that data, the Washington employment Security Department develops estimates on the size of the workforce, average wages for each crop activity, and whether workers commute, live within the state, or come in from outside of Washington State. These data are reported for each agricultural area identified as having similar farm labor characteristics and a significant supply/demand for seasonal hired workforce.

### **WESTERN (Clallam, Clark, Cowlitz, Grays Harbor, Island, Jefferson, King, Kitsap, Lewis, Mason, Pacific, Pierce, San Juan, Skagit, Skamania, Snohomish, Thurston, Wahkiakum and Whatcom Counties)**

Estimated seasonal workforce: 2,790 (2,556 local, 0 intrastate, 35 interstate, 0 foreign, 199 unknown origin)

Potato Sorter/Grader/Packer	640	\$ 7.79/hr
Raspberry Pruner	390	\$ 7.63/hr
Nursery Sorter/Grader/Packer	352	\$ 7.68/hr
Raspberry Worker	333	\$ 7.63/hr

### **SOUTH CENTRAL (Klickitat and Yakima Counties)**

Estimated seasonal workforce: 3,066 (2,433 local, 75 intrastate, 0 interstate, 558 foreign, 0 unknown origin)

Apple Pruner	2,506	\$ 7.74/hr or \$ 0.60 - \$ 4.50 per tree
Grapes Pruner	221	\$ 7.90/hr
Apple Sorter/Grader/Packer	127	\$ 8.44/hr
Pear Pruner	101	\$ 7.63/hr

### **NORTH CENTRAL (Chelan, Douglas, Kittitas and Okanogan Counties)**

Estimated seasonal workforce: 3,470 (3,177 local, 3 intrastate, 3 interstate, 93 foreign, 194 unknown origin)

Apple Pruner	2,532	\$ 7.65/hr
Apple Sorter/Grader/Packer	345	\$ 8.13/hr
Pear Sorter/Grader/Packer	129	\$ 8.96/hr
Misc Fruit Trees Sorter/Grader/Packer	84	\$ 8.35/hr

### **COLUMBIA BASIN (Adams and Grant Counties)**

Estimated seasonal workforce: 1,584 (1,423 local, 0 intrastate, 8 interstate, 45 foreign, 108 unknown origin)

Apple Pruner	783	\$ 7.70/hr or \$ 0.25 - \$ 2.25 per tree
Potato Sorter/Grader/Packer	171	\$ 7.68/hr
Nursery Harvester	168	\$ 7.63/hr
Cherry Pruner	105	\$ 7.65/hr

### **SOUTH EASTERN (Benton, Franklin and Walla Walla Counties)**

Estimated seasonal workforce: 826 (519 local, 0 intrastate, 14 interstate, 201 foreign, 92 unknown origin)

Apple Pruner	438	\$ 7.81/hr
Cherry Pruner	133	\$ 7.85/hr or \$ 0.25 - \$ 3.25 per tree
Pear Pruner	91	\$ 7.68/hr
Alfalfa Mechanized Harvester	33	\$ 8.83/hr

### **EASTERN (Asotin, Columbia, Ferry, Garfield, Lincoln, Pend Oreille, Spokane, Stevens and Whitman Counties)**

Estimated seasonal workforce: 119 (119 local, 0 intrastate, 0 interstate, 0 foreign, 0 unknown origin)

Nursery Worker	47	\$ 9.98/hr
Wheat Mechanic	47	\$ 8.67/hr
Wheat Tractor Operator	16	\$ 9.50/hr
Contract Aerial Chemical Applicator	3	Not Available

## Washington State Agricultural Crop Areas Harvest Periods

Washington State crop harvest timetables are listed below by agricultural areas. The dates may vary considerably due to weather or other conditions.

Note that the five area groupings in the following five timeline charts do not directly match with the six agricultural area groupings that are used in the Seasonal Farm Labor Survey data used in this report.

Washington State Agricultural Crop Areas												
Major Crops	Okanogan and Wenatchee Crop Areas											
	J	F	M	A	M	J	J	A	S	O	N	D
Apples												
Cherries												
Pears												
Golden Delicious												
Red Delicious												

Washington State Agricultural Crop Areas												
Major Crops	Bellingham and Mount Vernon Crop Areas											
	J	F	M	A	M	J	J	A	S	O	N	D
Flowers												
Cucumbers												
Broccoli												
Cauliflower												
Spinach												
Blueberries												
Raspberries												
Strawberries												



Washington State Agricultural Crop Areas												
Major Crops	Tri-Cities and Walla Walla Crop Areas											
	J	F	M	A	M	J	J	A	S	O	N	D
Asparagus												
Apples												
Cherries												
Apricots												
Peaches												
Pears												
Onions												
Strawberries												

Washington State Agricultural Crop Areas												
Major Crops	Bingen, Sunnyside and Yakima Areas											
	J	F	M	A	M	J	J	A	S	O	N	D
Asparagus												
Apples												
Cherries												
Peaches												
Pears												
Grapes												
Hops												
Vegetables												

Washington State Agricultural Crop Areas												
Major Crops	Moses Lake Crop Area											
	J	F	M	A	M	J	J	A	S	O	N	D
Asparagus												
Apples												
Cherries												
Peaches												
Potatoes												

**AGRICULTURAL LABOR SURVEY**  
**EMPLOYMENT AND WAGE DETAIL BY CROP ACTIVITY**  
**DECEMBER 2006**

**TABLE 1**

**DECEMBER 2006**

**Agricultural Farm Labor Report, Washington State**  
**Estimated Number of Domestic Seasonal Hired Workers**  
**by Place of Origin**

<b>Agricultural Reporting Area</b>	<b>Local</b>	<b>Intra-state</b>	<b>Inter-state</b>	<b>Foreign</b>	<b>Unknown</b>	<b>Area Total</b>
1. Western	2,556	0	35	0	199	2,790
2. South Central	2,433	75	0	558	0	3,066
3. North Central	3,177	3	3	93	194	3,470
4. Columbia Basin	1,423	0	8	45	108	1,584
5. South Eastern	519	0	14	201	92	826
6. Eastern	119	0	0	0	0	119
<b>State Totals</b>	<b>10,228</b>	<b>78</b>	<b>60</b>	<b>897</b>	<b>593</b>	<b>11,855</b>
<b>% State Total</b>	<b>86.3%</b>	<b>0.7%</b>	<b>0.5%</b>	<b>7.6%</b>	<b>5.0%</b>	<b>100%</b>

**DOMESTIC AGRICULTURAL LABOR REPORT**

Period: DECEMBER 2006  
State: WASHINGTON

Area Name: **WESTERN** (Clallam, Clark, Cowlitz, Grays Harbor, Island, Jefferson, King, Kitsap, Lewis, Mason, Pacific, Pierce, San Juan, Skagit, Skamania, Snohomish, Thurston, Wahkiakum, Whatcom)

SECTION A. (see attachments)

SECTION B. DOMESTIC SEASONAL HIRED FARM WORKERS

1. Total domestic seasonal hired workers .....	2,390
a. Local .....	2,556
b. Intrastate migratory .....	0
c. Interstate migratory .....	35
d. Foreign .....	0
e. Unknown .....	199
2. Origin of nonlocal domestic seasonal hired workers	
a. Intrastate: None	
b. Interstate: California, Texas	
c. Foreign: None	

SECTION C. REGULAR HIRED FARM WORKERS

1. Supply and demand for regular hired farm workers:  
The December 2006 estimate for regular hired farm workers in this agricultural area was 5,666.
2. Factors affecting the farm labor supply and demand situation:
  - a. Crop, market, and weather conditions: Weather conditions were wetter and colder than normal for the reporting period. Gale force winds with gusts exceeding 65 miles per hour roared through the counties on December 14<sup>th</sup>, leaving a path of destruction across rural landscape that had not been seen since the historical Columbus Day storm of October 12, 1962. Primary agricultural activities were potato warehouse work, raspberry pruning and nursery warehouse work.
  - b. Wages, housing, and transportation:  
The weighted seasonal wage for hourly paid farm workers during the pay period in December averaged \$8.02 per hour. Hourly wages ranged from \$7.63 for raspberry pruner, nursery sorter/grader/packer, raspberry worker, bulbs sorter/grader/packer, raspberry trainer, blackberry pruner, miscellaneous vegetables planter, nursery weeder, and blackberry trainer to \$18.70 for chicken eggs worker. No piece rates were reported. Housing was limited. Transportation was provided by the workers.
  - c. Recruitment and composition of seasonal hired work force:  
The labor force was estimated at 91.6% local, 0.0% intrastate, 1.3% interstate, foreign 0.0% and 7.1% unknown.
  - d. Changes in production practices: None reported.
  - e. Explanation of differences in employment from same period last year: None.

**DOMESTIC AGRICULTURAL LABOR REPORT**

Period: DECEMBER 2006

State: WASHINGTON

**Area 1: WESTERN (Clallam, Clark, Cowlitz, Grays Harbor, Island, Jefferson, Lewis, King, Kitsap, Mason, Pacific, Pierce, San Juan, Skagit, Skamania, Snohomish, Thurston, Wahkiakum, and Whatcom Counties)**

SECTION A. ALL SEASONAL HIRED FARM WORKERS		
EMPLOYMENT AND WAGES BY CROP ACTIVITY		
CROP ACTIVITY	ALL SEASONAL HIRED WORKERS	HOURLY WAGES and/or PIECE RATES FOR DOMESTIC SEASONAL WORKERS
	TOTAL 2,790	* = piece rate
Potato Sorter/Grader/Packer	640	\$ 7.79
Raspberry Pruner	390	\$ 7.63
Nursery Sorter/Grader/Packer	352	\$ 7.68
Raspberry Worker	333	\$ 7.63
Nursery Harvester	188	\$ 7.83
Nursery Planter	142	\$ 7.67
Bulbs Sorter/Grader/Packer	115	\$ 7.63
Raspberry Sorter/Grader/Packer	102	\$ 8.00
Raspberry Trainer	98	\$ 7.63
Misc Vegetables Sorter/Grader/Packer	78	\$ 9.80
Blackberry Pruner	49	\$ 7.63
Misc Vegetables Planter	42	\$ 7.63
Nursery Weeder	40	\$ 7.63
Chicken Eggs Worker	36	\$18.70
Misc Field Crops Harvester	28	\$ 8.95
Misc Vegetables Worker	25	\$10.04
Blackberry Trainer	24	\$ 7.63
Blueberry Pruner	24	Not Available
Chicken Eggs Sorter/Grader/Packer	16	\$ 9.55
Nursery Worker	13	\$ 8.10
Apple Sorter/Grader/Packer	11	\$ 9.00
Dairy Sorter/Grader/Packer	10	\$11.82
Misc Onion Harvester	7	\$ 8.20
Misc Vegetables Tractor Operator	7	\$12.40
Beets Harvester	7	\$ 8.20
Misc Berries Worker	5	\$11.00
Misc Under Cover Crop Sorter/Grader/Packer	5	\$ 8.25
Misc Grain & Seed Crops Worker	2	\$12.00
Misc Grain & Seed Crops Sorter/Grader/Packer	2	\$15.00

AVERAGE WAGE RATE FOR SEASONAL WORKERS  
 EARNING HOURLY WAGES AS REPORTED BY AG  
 PRODUCERS IN WESTERN AREA 1 ..... \$ 8.02/hr (weighted average)

**DOMESTIC AGRICULTURAL LABOR REPORT**

Period: DECEMBER 2006  
State: WASHINGTON

Area Name: **SOUTH CENTRAL** (Klickitat, Yakima)

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SECTION A. (see attachments)

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SECTION B. DOMESTIC SEASONAL HIRED FARM WORKERS

1. Total domestic seasonal hired workers . . . . .	3,066
a. Local . . . . .	2,433
b. Intrastate migratory . . . . .	75
c. Interstate migratory . . . . .	0
d. Foreign . . . . .	558
e. Unknown . . . . .	0
2. Origin of nonlocal domestic seasonal hired workers	
a. Intrastate: Kennewick, Pasco	
b. Interstate: None	
c. Foreign: Mexico	

---

SECTION C. REGULAR HIRED FARM WORKERS

1. Supply and demand for regular hired farm workers:  
The December 2006 estimate for regular hired farm workers in this agricultural reporting area was 9,376.
  2. Factors affecting the farm labor supply and demand situation:
    - a. Crop, market, and weather conditions:  
Weather conditions were wetter and colder than normal for the reporting period. Primary agricultural activities were apple pruning, grapes pruning, apple warehouse work and pear pruning.
    - b. Wages, housing, and transportation:  
The weighted seasonal wage for hourly paid farm workers during the pay period in December averaged \$7.88 per hour. Hourly wages ranged from \$7.63 for pear pruner to \$10.75 for nursery planter. Typical piece rates were: \$0.60 to \$4.50 per tree for apple pruning. Housing was limited. Transportation was provided by the workers.
    - c. Recruitment and composition of seasonal hired work force:  
The labor force was estimated to be 79.4% local, 2.4% intrastate, 0.0% interstate, foreign 18.2% and unknown 0.0%.
    - d. Changes in production practices: None reported.
    - e. Explanation of differences in employment from same period last year: None.
-

**DOMESTIC AGRICULTURAL LABOR REPORT**

Period: DECEMBER 2006

State: WASHINGTON

Area 2: SOUTH CENTRAL (Klickitat and Yakima Counties)

SECTION A. ALL SEASONAL HIRED FARM WORKERS		
EMPLOYMENT AND WAGES BY CROP ACTIVITY		
CROP ACTIVITY	ALL SEASONAL HIRED WORKERS	HOURLY WAGES and/or PIECE RATES FOR DOMESTIC SEASONAL WORKERS
	TOTAL 3,066	* = piece rate
Apple Pruner	2,506	\$ 7.74 or * \$ 0.60 - \$ 4.50 per tree
Grapes Pruner	221	\$ 7.90
Apple Sorter/Grader/Packer	127	\$ 8.44
Pear Pruner	101	\$ 7.63
Nursery Sorter/Grader/Packer	34	\$ 8.00
Misc Vegetables Mechanic	27	\$10.00
Grapes Trainer	21	\$ 9.38
Cherry Pruner	18	Not Available
Apple Vehicle Operator	9	\$10.04
Nursery Pruner	3	\$10.75

AVERAGE WAGE RATE FOR SEASONAL WORKERS  
 EARNING HOURLY WAGES AS REPORTED BY AG  
 PRODUCERS IN SOUTH CENTRAL AREA 2 ..... \$ 7.88/hr (weighted average)

# DOMESTIC AGRICULTURAL LABOR REPORT

Period: DECEMBER 2006

State: WASHINGTON

Area Name: **NORTH CENTRAL** (Chelan, Douglas, Kittitas, and Okanogan)

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## SECTION A. (see attachments)

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### SECTION B. DOMESTIC SEASONAL HIRED FARM WORKERS

1.	Total domestic seasonal hired workers .....	3,470
	a. Local .....	3,177
	b. Intrastate migratory .....	3
	c. Interstate migratory .....	3
	d. Foreign .....	93
	e. Unknown .....	194
2.	Origin of nonlocal domestic seasonal hired workers	
	a. Intrastate: Wenatchee	
	b. Interstate: California	
	c. Foreign: Mexico	

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### SECTION C. REGULAR HIRED FARM WORKERS

1. Supply and demand for regular hired farm workers:  
The December 2006 estimate for regular hired farm workers in this agricultural reporting area was 7,071.
  2. Factors affecting the farm labor supply and demand situation:
    - a. Crop, market, and weather conditions:  
Weather conditions were wetter and colder than normal for the reporting period. Primary agricultural activities were apple pruning, apple warehouse work, and pear warehouse work.
    - b. Wages, housing, and transportation:  
The weighted seasonal wage for hourly paid farm workers during the pay period in December averaged \$7.85 per hour. Hourly wages ranged from \$7.63 for nursery worker and miscellaneous fruit trees pruner to \$25.00 for horse and equines manager. No piece rates were reported. Housing was limited. Transportation was provided by the workers.
    - c. Recruitment and composition of seasonal hired work force:  
The labor force was estimated to be 91.5% local, 0.1% intrastate, 0.1% interstate, 2.7% foreign and 5.6% unknown.
    - d. Changes in production practices: None reported.
    - e. Explanation of differences in employment from same period last year: None.
-

**DOMESTIC AGRICULTURAL LABOR REPORT**

Period: DECEMBER 2006  
State: WASHINGTON

**Area 3: NORTH CENTRAL (Chelan, Kittitas, Douglas and Okanogan Counties)**

<b>SECTION A. ALL SEASONAL HIRED FARM WORKERS</b>		
<b>EMPLOYMENT AND WAGES BY CROP ACTIVITY</b>		
<b>CROP ACTIVITY</b>	<b>ALL SEASONAL HIRED WORKERS</b>	<b>HOURLY WAGES and/or PIECE RATES FOR DOMESTIC SEASONAL WORKERS</b>
	<b>TOTAL</b>	<b>3,470</b>
		* = piece rate
Apple Pruner	2,532	\$ 7.65
Apple Sorter/Grader/Packer	345	\$ 8.13
Pear Sorter/Grader/Packer	129	\$ 8.96
Misc Fruit Trees Sorter/Grader/Packer	84	\$ 8.35
Apple Preparation	78	\$ 7.75
Pear Pruner	66	\$ 7.70
Nursery Sorter/Grader/Packer	57	\$ 7.93
Nursery Worker	48	\$ 7.63
Apple Forklift Driver	35	\$ 9.35
Pear Preparation	27	\$ 7.75
Cherry Pruner	26	\$ 9.00
Pear Forklift Driver	13	\$ 9.25
Apple Worker	11	\$11.00
Misc Fruit Trees Mechanic	5	\$13.75
Misc Fruit Trees Pruner	3	\$ 7.63
Horse and Equines Manager	3	\$25.00
Cherry Worker	3	\$14.00
Apple Vehicle Operator	3	\$15.00
Apple Loader	3	\$ 9.50

AVERAGE WAGE RATE FOR SEASONAL WORKERS  
EARNING HOURLY WAGES AS REPORTED BY AG  
PRODUCERS IN NORTH CENTRAL AREA 3 ..... \$ 7.85/hr (weighted average)



# DOMESTIC AGRICULTURAL LABOR REPORT

Period: DECEMBER 2006

State: WASHINGTON

Area Name: **COLUMBIA BASIN** (Adams and Grant)

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## SECTION A. (see attachments)

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### SECTION B. DOMESTIC SEASONAL HIRED FARM WORKERS

1. Total domestic seasonal hired workers .....	1,584
a. Local .....	1,423
b. Intrastate migratory .....	0
c. Interstate migratory .....	8
d. Foreign .....	45
e. Unknown .....	108
2. Origin of nonlocal domestic seasonal hired workers	
a. Intrastate: None	
b. Interstate: California	
c. Foreign: Mexico	

---

### SECTION C. REGULAR HIRED FARM WORKERS

1. Supply and demand for regular hired farm workers:  
The December 2006 estimate for regular hired farm workers in this agricultural reporting area was 3,956.
  2. Factors affecting the farm labor supply and demand situation:
    - a. Crop, market, and weather conditions:  
Weather conditions were wetter and colder than normal for the reporting period. Primary agricultural activities were apple pruning, potato warehouse work, nursery harvest and cherry planting.
    - b. Wages, housing, and transportation:  
The weighted seasonal wage for hourly paid farm workers during the pay period in December averaged \$7.76 per hour. Hourly wages ranged from \$7.63 for nursery harvester, nursery sorter/grader/packer and miscellaneous fruit trees worker to \$14.50 for potato manager. Typical piece rates were: \$0.25 to \$2.25 per tree for apple pruning. Housing was limited. Transportation was provided by the workers.
    - c. Recruitment and composition of seasonal hired work force:  
The labor force was estimated to be 88.9% local, 0.0% intrastate, 0.5% interstate 2.8% foreign and 6.8% unknown.
    - d. Changes in production practices: None reported.
    - e. Explanation of differences in employment from same period last year: None.
-

**DOMESTIC AGRICULTURAL LABOR REPORT**

Period: DECEMBER 2006  
State: WASHINGTON

**Area 4: COLUMBIA BASIN (Adams and Grant Counties)**

<b>SECTION A. ALL SEASONAL HIRED FARM WORKERS</b>		
<b>EMPLOYMENT AND WAGES BY CROP ACTIVITY</b>		
<b>CROP ACTIVITY</b>	<b>ALL SEASONAL HIRED WORKERS</b>	<b>HOURLY WAGES and/or PIECE RATES FOR DOMESTIC SEASONAL WORKERS</b>
	<b>TOTAL</b> 1,584	* = piece rate
Apple Pruner	783	\$ 7.70 or * \$ 0.25 - \$ 2.25 per tree
Potato Sorter/Grader/Packer	171	\$ 7.68
Nursery Harvester	168	\$ 7.63
Cherry Pruner	105	\$ 7.65
Misc Fruit Trees Sorter/Grader/Packer	81	Not Available
Misc Onion Worker	60	\$ 7.75
Potato Worker	38	\$ 9.50
Potato Vehicle Operator	26	\$ 8.76
Misc Onion Sorter/Grader/Packer	24	\$ 7.75
Nursery Sorter/Grader/Packer	22	\$ 7.63
Pear Pruner	19	\$ 8.44
Apple Cultivator	17	\$ 8.00
Misc Fruit Trees Worker	15	\$ 7.63
Potato Mechanic	12	\$ 9.50
Apple Worker	8	\$ 8.24
Cherry Fertilizer Applicator	8	\$ 9.00
Potato Forklift Driver	8	\$ 9.12
Potato Manager	7	\$14.50
Potato Loader	7	\$ 8.00
General Farm Worker	6	\$10.00

AVERAGE WAGE RATE FOR SEASONAL WORKERS  
EARNING HOURLY WAGES AS REPORTED BY AG  
PRODUCERS IN COLUMBIA BASIN AREA 4 ..... \$ 7.76/hr (weighted average)

# DOMESTIC AGRICULTURAL LABOR REPORT

Period: DECEMBER 2006

State: WASHINGTON

Area Name: **SOUTHEASTERN** (Benton, Franklin, & Walla Walla)

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## SECTION A. (see attachments)

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### SECTION B. DOMESTIC SEASONAL HIRED FARM WORKERS

1. Total domestic seasonal hired workers .....	826
a. Local .....	519
b. Intrastate migratory .....	0
c. Interstate migratory .....	14
d. Foreign .....	201
e. Unknown .....	92
2. Origin of nonlocal domestic seasonal hired workers	
a. Intrastate: None	
b. Interstate: California, Oregon	
c. Foreign: Mexico	

---

### SECTION C. REGULAR HIRED FARM WORKERS

1. Supply and demand for regular hired farm workers:

The December 2006 estimate for regular hired farm workers in this agricultural reporting area was 4,942.

2. Factors affecting the farm labor supply and demand situation:

a. Crop, market, and weather conditions:

Weather conditions were wetter and colder than normal for the reporting period. Primary agricultural activities were apple pruning, cherry pruning, and pear pruning.

b. Wages, housing, and transportation:

The weighted seasonal wage for hourly paid farm workers during the pay period in December averaged \$7.90 per hour. Hourly wages ranged from \$7.63 for apple trainer, grapes pruner, miscellaneous onion sorter/grader/packer, potato irrigator, carrot irrigator, and hops trainer to \$12.00 for wheat vehicle operator. Typical piece rates were: \$0.15 to \$3.25 per tree for cherry pruning. Housing was limited. Transportation was provided by the workers.

c. Recruitment and composition of seasonal hired work force:

The labor force was estimated to be 62.9% local, 0.0% intrastate, 1.7% interstate, 24.3% foreign and 11.1% unknown.

d. Changes in production practices: None reported.

e. Explanation of differences in employment from same period last year: None.

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**DOMESTIC AGRICULTURAL LABOR REPORT**

Period: DECEMBER 2006  
State: WASHINGTON

**Area 5: SOUTH EASTERN (Benton, Franklin and Walla Walla Counties)**

<b>SECTION A. ALL SEASONAL HIRED FARM WORKERS</b>		
<b>EMPLOYMENT AND WAGES BY CROP ACTIVITY</b>		
<b>CROP ACTIVITY</b>	<b>ALL SEASONAL HIRED WORKERS</b>	<b>HOURLY WAGES and/or PIECE RATES FOR DOMESTIC SEASONAL WORKERS</b>
	<b>TOTAL</b>	<b>* = piece rate</b>
Apple Pruner	438	\$ 7.81
Cherry Pruner	133	\$ 7.85 or * \$ 0.25 - \$ 3.25 per tree
Pear Pruner	91	\$ 7.68
Alfalfa Mechanized Harvester	33	\$ 8.83
Apple Trainer	22	\$ 7.63
Carrot Mechanic	12	\$ 8.48
Grapes Pruner	12	\$ 7.63
Chicken Eggs Sorter/Grader/Packer	11	\$ 8.00
Potato Mechanic	10	\$ 8.48
Misc Onion Sorter/Grader/Packer	10	\$ 7.63
Wheat Vehicle Operator	8	\$12.00
Field Corn Vehicle Operator	7	\$10.00
Potato Irrigator	6	\$ 7.63
Carrot Irrigator	6	\$ 7.63
Cherry Worker	6	\$ 7.65
Wheat Tractor Operator	4	\$ 9.00
Misc Grain & Seed Crops Sorter/Grader/Packer	3	\$ 8.20
Hops Trainer	3	\$ 7.63
Alfalfa Tractor Operator	2	\$10.50
Field Corn Loader	1	\$10.00
Field Corn Mechanized Harvester	1	\$10.00
General Farm Worker	1	\$12.00
Cherry Fertilizer Applicator	1	\$ 9.00
Nectarine Fertilizer Applicator	1	\$ 9.00

AVERAGE WAGE RATE FOR SEASONAL WORKERS  
EARNING HOURLY WAGES AS REPORTED BY AG  
PRODUCERS IN SOUTH EASTERN AREA 5 ..... \$ 7.90/hr (weighted average)