Farm Labor



United States
Department of
Agriculture

Washington, D.C.

Released November 16, 1993, by the Agricultural Statistics Board. Estimates refer to the week of October 10-16, 1993.

Annual Wage Rates Up

Annual average wage rates paid by farm operators during 1993 were \$6.25 per hour. This compares to \$6.06 during 1992 and \$5.79 during 1991.

There were 3.25 million people working on the Nation's farms and ranches during the week of October 10-16, 1993. This is the same as the October 1992 survey week. Self-employed farm operators accounted for 1.54 million of the total, along with 503,000 unpaid workers, and 928,000 workers hired directly by farm operators. Agricultural service employees working on farms and ranches made up the remaining 283,000 workers.

Farm operators paid their hired workers an average wage of \$6.26 per hour during the October 1993 survey week. This rate was up 17 cents from a year earlier. Workers paid on an hourly basis earned \$5.94 per hour compared with \$5.83 in October 1992. Field workers received an average of \$5.91 per hour, up 17 cents from the October 1992 survey week. Livestock workers earned \$5.67 per hour compared with \$5.57 a year earlier.

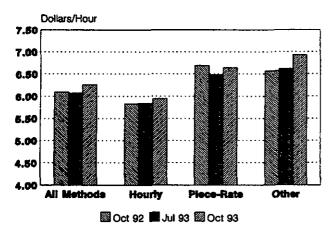
Benefits, such as housing and meals, were provided to 38 percent of the hired workers during the survey week, compared to 39 percent in October 1992.

During the survey week of October 10-16, 1993, an early-week freeze ended the growing season across much of the Corn Belt. The week ended with a warmer, stormier pattern across the United States. Soybean harvest progressed across the Midwest, with Iowa and Minnesota harvesting at least one-third of their crops. Excessive moisture in the corn crop slowed harvest in the upper Midwest. From Illinois to Ohio, producers were planting winter wheat, but excessively dry soil delayed winter wheat planting in the Southeast. Rain delayed the cotton harvest in parts of Arizona and northern Texas. Producers harvested grain sorghum in the South. Rain slowed rice harvest in California. Dry beans were harvested in New York and cranberries were harvested in Massachusetts. The sugar cane harvest was active in Louisiana. In California, the Valencia orange crop harvest continued. Heavy rains in Florida delayed vegetable planting in the Everglades and delayed harvest progress along the Florida east coast. In Texas and California, vegetable planting and harvest continued. The apple harvest advanced across the nation. The pecan harvest was underway in Louisiana and increased in Texas. Peanut harvest continued in Texas.

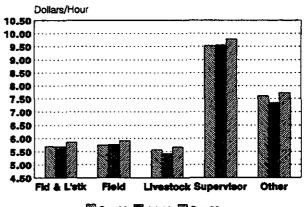
For information call Dean Groskurth at (202) $690 \cdot 3228$. Office hours are 8:00 a.m. to 4:30 p.m. ET.

Sp Sy 8 (11-93)

U.S. Wage Rates by Method of Pay

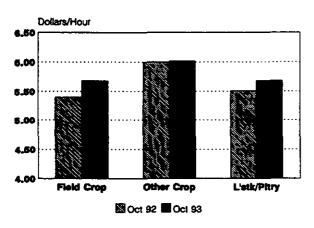


U.S. Wage Rates by Type of Worker

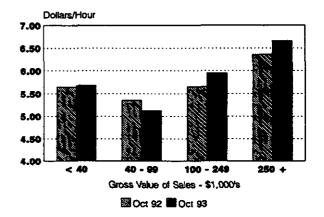


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Wage Rate of Field & L'stk Wkrs Combined By Type of Farm



Wage Rates of All Hired Workers by Economic Class of Farm



Farm Labor: Employment, Wage Rates, and Indexes, United States, October 10-16, 1993, with Comparisons $\underline{1}/$

Farm Employment	October 11-17, : 1992	: July 11-17, : : 1993 :	October 10-16, 1993			
		1,000				
Farm Workers	2,950	*3,225	2,966			
Self-Employed Unpaid Hired Expected to be Employed	:	1.604 559 *1.062	1.535 503 928			
150 Days or More 149 Days or Less	: 600 : 292	*688 *374	626 302			
Agricultural Services Workers Working on Farms	: : : 295	358	283			
Total Farm & Service Workers						
Index - 1977=100 All Farm Workers Hired Workers	: : 70	64	70 68			
	: :	Dollars per Hour				
Wage Rates for All Hired Workers <u>2</u> / <u>3</u> /	: : 6.09	*6.07	6.26			
Method of Pay Hourly Piece-Rate Other	5.83 5.69 6.57		5.94 6.64 6.93			
Type of Worker Field & Livestock Combined Field Livestock Supervisory Other	: 5.74 : 5.57 : 9.53 : 7.61	*5.68 *5.77 5.42 *9.55 *7.35	7.73			
Index - 1977=100 All Hired Workers Wage Rate	:		206			

^{*} Revised.

^{1/} Excludes AK. 2/ Benefits, such as housing and meals, are provided some workers but the values are not included in the wage rates.

^{3/} Excludes Agricultural Service Workers.

Workers on Farms: Number by Region, State, and United States, October 10-16, 1993 $\underline{1}/$

		· · · · · · · · · · · · · · · · · · ·	· • • • • • • • • • • • • • • • • • • •	 :	Hired	
State and	: All : Farm	: : Self- : Employed:	Unnaid	: Number	:Expected to : 150 Days	be Employed
Region <u>2</u> /	: Workers	<u>3</u> /	<u>3</u> /	: Workers :	: 150 Days : or More <u>3</u> /	: 149 Days :or Less <u>3</u> /
			1,(000	•••	• • • • • • • • • • • • • • • • • • • •
NY Other <u>4</u> / Northeast I	74 52 126	49	20	31 26 57	37	20
PA Other <u>4</u> / Northeast II	97 35 132	67	33	19 13 32	23	9
NC VA Appalachian I	83 49 132	65	15	32 20 52	25	27
Appalachian II Southeast FL	200 122 93	138 71 26	28 12 4	34 39 63	19 30 59	15 9 4
MI MN WI Lake	80 134 120 334	176	81	28 24 25 77	52	25
Cornbelt I Cornbelt II Delta Northern Plains:	309 234 141 255	178 149 82 158	74 54 18 51	57 31 41 46	36 20 30 31	21 11 11 15
OK TX Southern Plains	82 217 299	199	41	13 46 59	41	18
Mountain I :	79 53	37 23	16 7	26 23	19 16	7 7
AZ NM Mountain III	25 27 52	11	25	11 5 16	13	3
OR WA Pacific	52 71 123	53	14	17 39 56	28	28
CA HI	270 12	50 3	9 1	211 8	140 7	71 1
US <u>5</u> /	2966	1535	503	928	626	302

Excludes Agricultural Service Workers. Region map on page 21. Published at regional and U.S. level only. Other States in the same region. Excludes AK.

Workers on Farms: Hours Worked and Wage Rates for All Hired Workers, by Region, State, and United States, October 10-16, 1993 $\underline{1}/$

C+2+0	: Ho	urs Worked	:	Wasa Pates for
and Region <u>2</u> /	: Self- :Employed <u>3</u> /	: : Unpaid <u>3</u> /	: Hired :	Wage Rates for All Hired Workers
	: Ho	urs per Week		Dollars per Hour
NY Other <u>4</u> / Northeast I	45.3	32.0	42.2 40.0 41.2	6.20 7.10 6.62
PA Other <u>4</u> / Northeast II	42.7	32.5	42.0 39.5 41.0	6.09 6.73 6.34
NC VA Appalachian I				5.79 5.76 5.78
Appalachian II Southeast FL	25.8 25.8 23.0	29.7 29.5 26.0	34.9 36.4 33.0	5.23 6.01 6.64
MI MN WI Lake		34.3		6.20 7.59 5.38 6.45
Cornbelt I Cornbelt II Delta Northern Plains	42.6 42.7 32.9 48.0	35.0 32.1 34.6 38.8	43.8 39.8 47.9 47.4	6.01 6.02 5.39 6.40
OK TX Southern Plains	29.9	29.9	43.0 41.5 41.8	6.23 5.28 5.51
Mountain I Mountain II	43.2 46.4	37.0 33.3	49.9 38.3	5.60 6.31
AZ NM Mountain III	38.1	29.1	43.0 52.9 46.1	6.18 5.80 6.04
OR WA Pacific	28:6	28.4	44.7 36.0 38.6	7.22 7.60 7.47
CA HI	31.0 30.2	32.5 31.3	40.0 36.7	6.41 9.40
US <u>5</u> /	: : 38.1	33.1	40.1	6.26

 $[\]frac{1}{2}$ Excludes Agricultural Service Workers. $\frac{2}{2}$ Region map on page 21. $\frac{3}{4}$ Published at regional and U.S. level only. $\frac{4}{5}$ Excludes AK.

Hired Workers: Wage Rates by Region, State, and United States, October 10–16, 1993 $\underline{1}/$

State	:	Туре	of Worker	<u>5</u> /		: Metho	d of Pay	6/
and Region <u>2</u> /	: :Field :	•	Field &	·Suner-	•		Piece .	
	: :		Do11	ars per	Hour			
NY Other <u>4</u> / Northeast I	5.85 6.60 6.17	5.43	5.64 6.24 5.92	10.63	7.60	6.10 6.95 6.53	6.35	6.94
PA Other <u>4</u> / Northeast II	6.36 6.41 6.38	5.36	5.98 6.13 6.03	<u>3</u> /	8.84	6.10 6.50 6.28	6.41	6.41
NC VA Appalachian I		5.71	5.59 5.62 5.60	8.08	<u>3</u> /		6.89	6.25
Appalachian II Southeast FL	5.16 5.69 5.90	4.85 5.62 6.50	5.07 5.67 5.95	$\frac{3}{3}$ /11.70	3/ 5.51 9.85	5.07 5.76 5.80	3/ 3/ 7.30	3/ 6.54 10.30
MN WI	5.95 7.48 5.85 6.52	5.04	5.99 6.74 5.01 5.92	10.47	7.08	6.15 7.43 5.74	6.26	6.37
Cornbelt I Cornbelt II Delta Northern Plains	: 5.61 : 5.12	5.84 5.54 5.62 6.25	5.82 5.58 5.19 6.22	7.71 9.24 8.35 8.93	3/ 3/ 6.58 5.75	5.99 5.70 5.24 6.38	6.30 3/ 3/ 3/	6.03 6.49 5.92 6.41
OK TX Southern Plains	5.45 4.82 4.93	5.19	5.45 4.93 5.04	8.14	6.80	5.90 4.94 5.18	<u>3</u> /	6.04
Mountain I Mountain II	5.53 5.79	5.20 5.45	5.40 5.63	7.11 9.05	<u>3</u> / <u>3</u> /	5.36 5.88	<u>3</u> / <u>3</u> /	5.83 6.74
AZ NM Mountain III	5.30 5.02 5.20	6.01	5.43 5.55 5.48	<u>3</u> /	<u>3</u> /	5.40 5.15 5.32	<u>3</u> /	<u>3</u> /
OR WA Pacific	: 6.80 : 7.15 : 7.04	7.07	6.72 7.21 7.04	10.85	9.03	6.52 6.70 6.62	7.89	9.58
CA HI	5.90 : 8.37	7.12 <u>3</u> /	5.99 8.32	10.93 15.14	9.00 <u>3</u> /	5.98 8.69	6.00 <u>3</u> /	8.56 14.09
US <u>7</u> /	: : 5.91	5.67	5.85	9.79	7.73	5.94	6.64	6.93

Excludes Agricultural Service Workers.

Region map on page 21.
Insufficient data.
Other States in the same region.
Livestock, Supervisory, and Other published at Regional and U. S. level only.
Piece Rate and Other published at regional and U. S. level only.
Excludes AK.

Workers on Farms: Number by Region, State, and United States, July 11-17, .1993 $\underline{1}/$

State and Farm Employed Unpaid Of Or More 3 1.000	Days
	ess <u>3</u> /
NY	15
Other 4/ Northeast I 58 135 56 26 53 38 PA Other 4/ A2 Northeast II 103 42 18 18 18 18 18 18 18 18 18 18 18 18 18	15
Other 4/ Northeast II 42	12
VA 51 18 18 67 25 Appalachian II 219 141 37 41 25 Southeast 154 77 22 55 34 FL *77 25 4 *48 *43 MI 98 29 98 29 84 *43 MI 146 25 32 25 32 32 32 32 32 32 32 32 32 32 32 32 32 33 32 33 32 33 33 33 33 33 33 33 33 33 33 33 33 33 33 33 34 </td <td>10</td>	10
Southeast 154 77 22 55 34 FL *77 25 4 *48 *43 MI 98 29 98 29 98 25 98 25 98 32 98 25 98 32 98 32 98 32 98 32 98 32 98 32 98 32 98 32 98 32 98 32 33 33 33 34 34 34 38 34 38 <td>42</td>	42
MN : 146 25 WI : 142 Lake : 386 206 94 86 51 Cornbelt I : 310 186 58 66 49 Cornbelt II : 239 150 58 31 25 Delta : 168 89 22 57 45	16 21 *5
Cornbelt II : 239 150 58 31 25 Delta : 168 89 22 57 45	35
NOT CHICK IT THE THIS. 200 149 40 40 20	17 6 12 15
OK : 88 : 15 TX : 250 : 70 Southern Plains: 338 : 195 : 58 : 85 : 53	32
Mountain I : 89 42 18 29 20 Mountain II : 63 27 12 24 16	9 8
AZ : 25 11 NM : 29 8 Mountain III : 54 11 24 19 16	3
OR : 78 38 38 38 44 9acific : 167 58 17 92 35	57
CA : 275 50 10 215 145 HI : 13 3 1 9 8 AK : .8 <u>6</u> / <u>6</u> / .3 <u>6</u> /	70 1 <u>6</u> /
US <u>5</u> / : *3225 1604 559 *1062 *688	*374

Revised.
Excludes Agricultural Service Workers.
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Other States in the same region.
Excludes AK.
Insufficient data.

Workers on Farms: Hours Worked and Wage Rates for All Hired Workers, by Region, State, and United States, July 11-17, 1993 <u>1</u>/

C+ + o	: H	ours Worked	:	Wage Rates for		
and Region <u>2</u> /	: Self- :Employed <u>3</u>	: /: Unpaid <u>3</u> /	: Hired :	Wage Rates for All Hired Workers		
	:	lours per Wee	k	Dollars per Hour		
NY Other <u>4</u> / Northeast I	: : 47.6	38.9	45.3 39.8 42.4	5.80 7.07 6.43		
PA Other <u>4</u> / Northeast II	44.2	34.5	43.0 42.5 42.8	6.04 6.98 6.44		
NC VA Appalachian I	32.1	31.1	31.8 42.0 34.5	5.07 5.64 5.26		
Appalachian II Southeast FL	27.6 30.1 22.0	29.8 28.9 28.0	31.9 33.2 37.0	5.39 5.68 *6.99		
MI MN WI Lake	45.9	36.3	32.1 32.1 41.0 35.4	6.11 6.22 5.10 5.71		
Cornbelt I Cornbelt II Delta Northern Plains	37.7 40.0 32.8 42.0	31.4 36.7 31.9 31.9	35.7 34.4 39.0 47.0	5.93 6.15 5.68 5.79		
OK TX Southern Plains	34.6	31.2	41.0 40.3 40.4	5.30 5.16 5.19		
Mountain I Mountain II	46.0 49.7	33.6 33.4	47.7 46.1	5.66 5.86		
AZ NM Mountain III	40.7	28.9	52.0 49.6 51.0	5.88 6.00 5.93		
OR WA Pacific	30.3	32.4	39.7 44.0 42.2	6.19 6.17 6.18		
CA HI AK	32.0 29.2 46.0	33.0 31.0 35.0	43.0 38.1 35.0	6.64 9.52 7.10		
US <u>5</u> /	37.6	33.2	39.9	*6.07		

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Other States in the same region.
Excludes AK.

Hired Workers: Wage Rates by Region, State, and United States, July 11-17, 1993 $\underline{1}/$

Chaha	 :	Туре	of Worker	. <i></i>		: Metho	od of Pa	y <u>6</u> /
State and Region <u>2</u> /	: :Field	: :Livestock:	Field & Livestock	:Super-	: v:Othe	: r:Hourly	: Piece : Rate	: : Other
	 :		Doll	lars per	Hour			
NY Other <u>4</u> / Northeast I	5.66 6.50 6.00	5.34	5.40 6.16 5.76	9.95	7.62	6.07 7.05 6.56	<u>3</u> /	6.14
PA Other <u>4</u> / Northeast II	6.55 6.02 6.30	5.05	5.75 6.07 5.88	10.28	8.49	6.46 6.24 6.35	7.03	6.47
NC VA Appalachian I	4.95 5.38 5.07	5.67	4.99 5.44 5.12	<u>3</u> /	6.08	4.76 5.50 4.96	6.12	<u>3</u> /
Appalachian II Southeast FL	5.42 5.28 *6.35	4.94 5.72 6.00	5.22 5.39 *6.31		<u>3</u> / 6.22 9.50	5.36 5.41 *6.30	3/ 5.38 *7.55	5.33 6.35 10.10
MT	5.83 6.51 5.43 5.90	4.66	5.70 5.84 4.70 5.30		7.45	5.75 5.96 5.65 5.75	7.53	5.38
Cornbelt I Cornbelt II Delta Northern Plains	: 5.61 : 5.07	5.66 5.88 5.75 5.64	5.76 5.76 5.30 5.66	8.05 8.68 9.01 7.39	5.78 3/ 6.83 5.67	5.85 5.96 5.47 5.80	$\frac{\frac{3}{3}}{\frac{3}{2}}$ 6.94 $\frac{3}{3}$	6.11 6.56 6.19 5.77
OK TX Southern Plains	5.25 4.72 4.80	4.98	5.22 4.80 4.88	8.28	6.26	5.20 4.96 5.02	4.99	5.44
Mountain I Mountain II	5.71 5.60	5.23 5.18	5.54 5.39	6.58 7.93	3/ 3/	5.73 5.72	<u>3</u> / <u>3</u> /	5.55 6.04
AZ NM Mountain III	5.30 5.60 5.41	5.75	5.40 5.67 5.52	<u>3</u> /	<u>3</u> /	5.30 5.60 5.43	<u>3</u> /	<u>3</u> /
OR WA Pacific	6.00 5.87 5.92	7.07	5.99 6.01 6.00	8.29	7.62	5.89 5.95 5.93	6.42	7.84
CA HI AK	6.06 8.54 6.65	7.12 <u>3</u> / <u>3</u> /	6.11 8.54 <u>3</u> /	11.63 14.88 <u>3</u> /	8.21 <u>3</u> / <u>3</u> /	6.07 8.60 7.35	6.92 <u>3</u> / <u>3</u> /	10.94 13.58 <u>3</u> /
US <u>7</u> /	*5.77	5.42	*5.68	*9.55	*7.35	5.84	*6.48	*6.62

Revised.
Excludes Agricultural Service Workers.
Region map on page 21.
Insufficient Data.
Other States in the same region.
Livestock, Supervisory, and Other published at Regional and U. S. level

Piece Rate and Other published at regional and U. S. level only. Excludes AK.

Workers on Farms: Number by Region, State, and United States, October 11-17, 1992 $\underline{1}/$

***************************************	:	:	:		Hired	
State and	: : All : Earm	: : Self- : Employed:	Unnaid	Number of	:Expected to	be Employed
Region <u>2</u> /	. Workers	$\frac{3}{2}$	3/	: Workers	: 150 Days : or More <u>3</u> /	: 149 Days :or Less 3/
	: :			000		
NY	: 66			27		
Other <u>4</u> / Northeast I	50 116	49	15	25 52	35	17
PA Other <u>4</u> /	101 48			30 17		
Northeast II	149	71	31	47	32	15
NC VA	65 51			22 19		
Appalachian I :		65	10	41	25	16
Appalachian II : Southeast : FL :	218 146 81	140 88 24	29 16 3	49 42 54	28 29 48	21 13 6
MI MN	90 137			32		
WI Lake	129 356	180	87	25 32 89	44	45
Cornbelt I	306	179	70	57	38	19
Cornbelt II Delta Northern Plains:	260 148 245	164 79 160	59 18 48	37 51 37	28 34 24	9 17 13
OK	85	100	40	15	27	10
TX Southern Plains:	: 197	192	30	45 60	37	23
Mountain I Mountain II	66 57	37 29	10 9	19 19	14 15	5 4
AZ	29			12		
NM Mountain III	28 57	13	26	6 18	12	6
OR WA	54 60			20 30		
Pacific	114	51	13	50	30	20
CA HI	220 13	50 3	9 1	161 9	119 8	42 1
US <u>5</u> /	2,950	1,574	484	892	600	292

Excludes Agricultural Service Workers. Region map on page 21. Published at regional and U.S. level only. Other States in the same region. Excludes AK.

Workers on Farms: Hours Worked and Wage Rates for All Hired Workers, by Region, State, and United States. October 11-17. 1992 $\underline{1}/$

C+2+2	Hours Worked		: Ungo Patos for
and Region <u>2</u> /	Hours Worked Self-: Employed 3/: Unpaid 3/:	Hired	: All Hired Workers
	: Hours per Week		
NY Other <u>4</u> / Northeast I	: : : 41.9 36.0	43.4 38.5 41.0	7.45
PA Other <u>4</u> / Northeast II	: : 45.0 39.3	41.2 40.2 40.8	6.53
NC VA Appalachian I	34.4 33.8	37.6 39.0 38.2	5.61
Appalachian II Southeast FL	26.0 32.3 27.6 25.5 24.0 34.0	31.1 34.0 36.0	5.43 5.64 6.37
MI MN WI Lake	: : : 51.2 43.5	38.9 44.8 39.0 40.6	
Cornbelt I Cornbelt II Delta Northern Plains	.: 42.8 38.3 : 49.8 42.1 : 37.8 34.4 : 51.4 41.0	39.8 42.0 48.4 49.9	5.70 6.12 5.01 6.37
OK TX Southern Plains	: : : 29.2 35.0	38.0 42.7 41.5	5.38
Mountain I Mountain II	40.0 38.4 34.6 35.4	50.9 49.8	5.38 5.58
AZ NM Mountain III	: : 38.0 36.8	52.0 41.1 48.4	5.41 5.92 5.55
OR WA Pacific	29.8 32.6	42.3 43.0 42.7	6.84 7.10 7.00
CA HI	35.4 28.7 31.9 30.2	42.8 37.5	6.63 8.99
US <u>5</u> /	39.6 38.3	41.4	6.09

 $[\]frac{1}{2}$ / Excludes Agricultural Service Workers. $\frac{2}{2}$ / Region map on page 21. $\frac{3}{4}$ / Published at regional and U.S. level or $\frac{4}{5}$ / Excludes AK. Region map on page 21.
Published at regional and U.S. level only.
Other States in the same region.
Excludes AK.

Hired Workers: Wage Rates by Region, State, and United States, October 11-17, 1992 $\underline{1}/$

State	: :	Type	of Worker	<u>5</u> /		: Metho	d of Pay	<u>6</u> /
and	:		Field &	:Super-	:	: :	Piece :	
	• •		Dol	lars pe	r Hour			
NY Other <u>4</u> / Northeast I	5.66 6.80 6.20	5.38	5.53 6.53 5.93	10.29	7.08	5.91 6.90 6.36	6.73	6.91
Other <u>4</u> /	5.80 5.96 5.84	5.20	5.55 5.83 5.64	9.26	8.18	6.00 6.15 6.05	6.08	6.23
NC VA Appalachian I	5.50 5.20 5.37	5.72	5.57 5.30 5.46	8.12	7.05	5.28 5.40 5.33	6.24	6.52
Appalachian II Southeast FL	4.93 5.08 5.74	5.09 5.38 6.55	4.99 5.16 5.84	8.40 10.93 10.30	3/ 6.58 <u>3</u> /	5.10 5.66 5.76	3/ 3/ 5.75	6.75 5.65 9.60
MN WI	6.40 6.44 5.50 6.26	4.88	6.32 6.42 4.73 5.82	9.68	7.09	6.22 6.46 6.53 6.40	6.88	5.66
Cornbelt II	5.52 5.56 4.76 6.28	5.43 6.04 5.43 6.03	5.50 5.74 4.86 6.22	7.13 10.70 <u>3</u> / 8.72	7.20 5.71 6.90 <u>3</u> /	5.62 5.94 5.06 6.40	3/ 3/ 3/ 3/	5.87 6.55 4.89 6.35
OK TX Southern Plains	5.05 4.99 5.01	5.20	5.08 5.08 5.08	8.42	6.68	5.20 5.10 5.13	<u>3</u> /	5.67
Mountain I Mountain II	5.38 5.36	5.10 5.34	5.27 5.35	$\frac{3}{7.20}$	<u>3</u> / <u>3</u> /	5.21 5.37	3/ 3/	5.51 5.77
NM	4.80 5.42 4.95	5.34	4.95 5.35 5.06	<u>3</u> /	<u>3</u> /	5.10 5.42 5.18	<u>3</u> /	6.79
OR WA Pacific	6.50 6.66 6.60	6.95	6.54 6.74 6.66	10.18	<u>3</u> /	6.57 6.71 6.65	<u>3</u> /	8.51
CA HI	6.02 8.09	6.60 <u>3</u> /	6.10 8.06	10.96 <u>3</u> /	9.56 <u>3</u> /	5.91 8.05	7.64 <u>3</u> /	8.80 12.21
US <u>7</u> /	5.74	5.57	5.70	9.53	7.61	5.83	6.69	6.57

Excludes Agricultural Service Workers.

Region map on page 21.
Insufficient data.
Other States in the same region.
Livestock, Supervisory, and Other published at Regional and U. S. level only.

Piece Rate and Other published at regional and U. S. level only. Excludes AK.

Field and Livestock Workers Combined: Wage Rates, by Type of Farm, by Region and 48 States $\underline{1}/$

	* * * * * * * * * * * * * * * * * * * *					_		
	: 0c	tober 1	1-17, 199	October 10-16. 1993				
Region <u>2</u> /			L'stk &: Poultry:					
	:		Do	llars pe	r Hour			
Northeast Appalachian Southeast Lake Cornbelt Delta Northern Plains Southern Plains Mountain Pacific 48 States	5.61 4.56 4.70 6.55 5.49 4.65 6.43 4.90 5.25 5.40	6.26 6.06 5.66 6.29 5.81 5.10 6.19 5.20 4.81 6.00	5.21 4.97 6.00 4.94 5.60 5.69 5.72 5.22 5.43 6.67 5.51	5.79 5.21 5.55 5.60 4.86 6.22 5.08 5.23 6.23	6.32 5.30 5.54 6.38 5.64 5.09 6.32 5.28 6.68	6.26 5.92 5.92 6.81 6.10 4.92 3/ 4.76 5.93 6.01 6.02	5.50 5.16 5.82 5.21 5.69 5.84 6.09 5.17 5.51 7.14 5.68	5.96 5.39 5.84 5.92 5.74 5.19 6.22 5.49 6.18

All Hired Workers: Wage Rates, by Economic Class of Farm, by Region and 48 States $\frac{1}{2}$

Pogion		Octobe	r 11-17.	1992	:	:	Octobe	r 10-16,	1993	
								Sales-\$: 100-24		
					ollars	per Ho	ur			
Appal. S. East Lake Cornbelt	4.81 4.82 6.44	5.10 5.44 5.25 5.40 5.41 4.89 5.97 5.39 4.90 6.03 5.35	5.93 4.92 5.86 5.69 5.12 6.26 5.51 5.90 6.36 5.66	6.68 5.98 6.21 6.89 6.42 5.05 6.54 5.42 5.53 6.81 6.36	6.36 5.56 6.06 6.25 5.88 5.01 6.37 5.36 5.72 6.06	5.86 5.05 6.11 5.13 5.65 5.61 5.85 5.12 4.74 7.24 5.69	5.72 5.12 5.81 5.94 4.79 5.18 5.23 4.84 5.30 4.79 5.12	5.65 5.30 6.70 6.49 6.06 5.51 6.14 5.79 6.12 5.95	7.03 6.12 7.60 6.56 6.28 5.32 6.74 5.86 6.18 6.78 6.66	6.52 5.57 6.39 6.45 6.01 5.39 6.40 5.51 5.92 6.60

^{1/} Excludes Agricultural Service Workers.
2/ Regions Consist of the following States.
Northeast: CT, DE, MD, ME, MA, NH, NJ, NY, PA, RI, VT. Appalachian: KY, NC, TN, VA, WV.
Southeast: AL, FL, GA, SC.
Lake: MI, MN, WI.
Cornbelt: IA II IN MO OH

Cornbelt: IA, IL, IN, MO, OH.
Delta: AR, LA, MS.
Northern Plains: KS, NE, ND, SD.
Southern Plains: OK, TX.
Mountain: AZ, CO, ID, MT, NM, NV, UT, WY.
Pacific: CA, OR, WA.
48 States: All States, excluding AK and HI.

^{3/} Insufficient data.

Field and Livestock Workers: Distribution by Type of Farm, 48 States 1/

Type of	:		: July 11-17.	: October 10-16,
Farm	:		: 1993	: 1993
	:	Percent of	Field and Livestock	Workers <u>2</u> / <u>3</u> /
Field Crops	:	26	26	25
Other Crops	:	41	42	50
Livestock, Dairy, & Poultry	: : :	33 100.0	32 100.0	25 100.0

Hired Workers: Distribution by Economic Class of Farm, 48 States $\underline{1}$ /

Gross Value of Sales	:	October 11-17, 1992	: : :		: : :	
	:	Pe	ercer	nt of Hired Wo	rker	s <u>3</u> /
Less than \$40,000	:	10		10		8
\$40,000-\$99,999	:	12		11		10
	:	21		20		19
\$250,000 and over	:	57		59		63
	:	100.0		100.0		100.0

 ^{1/48} States, excluding AK and HI.
 2/ Field and Livestock Workers combined.
 3/ Excludes Agricultural Service Workers.

Hired Workers:	Distribution by Category,	United States <u>1</u> / <u>2</u> /
	0-4-411 17	

	: October 11-17, : 1992	: July 11-17. : 1993	
	: Perce	nt of Hired Work	ers
Employed on Farms Hiring: 1 Worker 2 Workers 3-6 Workers 7-10 Workers At least 11 Workers	14 12 22 9 43	11 11 23 10 45 100.0	12 10 21 8 49 100.0
Payment Method: Hourly Piece-Rate Other Methods	70 7 23 100.0	72 7 21 100.0	69 8 23 100.0
Benefits: 3/ Housing and Meals Housing (no Meals) Meals (no Housing) Bonus Other Benefits Wages Only	5 : 14 : 4 : 5 : 11 : 61 : 100.0	6 14 3 4 13 60 100.0	5 13 4 5 11 62 100.0

^{1/} Excludes Agricultural Service Workers.

 $[\]frac{2}{3}$ / Excludes AK. $\frac{3}{3}$ / Benefits are in priority from highest to lowest. Each worker is counted one time in the highest category, even though benefits in a lower category may be received. Housing and meals is comparable to room and board used in previous reports. Other benefits include transportation, life and health insurance, utilities, etc.

Agricultural Services

Crew leaders and custom crews provided 283,000 workers for the Nation's farms and ranches during the week of October 10-16, 1993. Service workers in California numbered 75,000 compared with 80,000 during the October 1992 survey week. Florida's number of service workers was 3,500, compared to 3,600 last year.

The average wages received by agricultural service workers in California and Florida were \$6.53 and \$6.68 per hour, respectively. Comparable wages in October 1992 were \$6.33 in California and \$7.09 in Florida.

Agricultural Service Workers: Number, Hours Worked, and Wage Rates, for California, Florida, and United States 1/

Then	:October	11-17.	1992:	July	11-17,	1993:	Octob	er 10-1	6. 1993
Item	: CA :	FL :	US :	CA:	FL :	US :	CA :	FL :	US
	:				1.000				
Number of Workers Working on Farms	: 80.0	3.6	295.0	85.0	3.0 3	58.0	75.0	3.5	283.0
	:				Hours	<u>2</u> /			••••
Hours Worked	: 40.5	31.0	-	41.5	40.0	-	37.5	33.0	-
	:			Do11	ars per	Hour	<u>2</u> /		
Wage Rates <u>3</u> /	: 6.33	7.09	-	6.48	* 6.88	-	6.53	6.68	-
Method of Pay Hourly Piece-Rate	: 5.40 : 7.58				6.05 *7.00				
Type of Work Field	: : : 6.14	6.49	-	6.00	*6.00	-	6.26	5.99	-

^{*} Revised,

^{1/} Data are for Agricultural Services performed on the farm by custom service units such as crew leaders or custom crews. These statistics are not included in the State-Regional tables.

^{2/} United States data not available.

^{3/} Benefits, such as housing and meals, are provided some workers but the values are not included in the wage rates.

^{4/} Insufficient data.

Hired Workers: Annual Average Wage Rates by Region and United States, 1992 1/4/

	:		Type	of Worke	r	: M	lethod (of Pay	
_					:Super-: k:visory:				
	:			Dolla	rs per Ho	our		· · · · · ·	
Northeast II Appalachian I Appalachian II Southeast FL Lake Cornbelt I Cornbelt II Delta Northern Plains Southern Plains Mountain I Mountain II Pacific	: 5.38 : 5.49 : 6.38 : 5.85 : 6.08 : 5.94 : 5.06 : 6.07 : 5.31 : 5.40	5.90 6.02 5.55 4.80 5.85 4.85 5.57 5.30 6.13	5.16 5.33 5.60 5.17 5.46 6.18 4.86 5.53 5.73 5.66 5.22 5.32 7.32 6.72	5.82 5.81 5.07 5.09 5.04 5.91 5.38 5.65 4.87 5.78 5.25 5.44 5.31 6.31	9.87 10.27 8.64 8.60 9.96 10.58 9.19 7.55 8.84 7.70 8.75 8.56 6.59 8.11 8.93 9.61 11.71	8.04 7.62 6.60 3/ 7.42 8.23 7.15 6.40 5.86 5.98 6.30 7.04 5.63 3/ 7.93 8.25 9.13	6.38 6.24 5.07 5.15 5.23 5.87 5.81 5.66 4.98 5.00 5.25 5.47 6.18 6.00	3/ 6.52 5.94 5.98 6.63 3/ 3/ 3/ 6.89	6.46 6.57 5.95 6.20 6.00 8.75 5.80 6.38 6.45 5.23 5.48 6.67 8.20 9.41
HI	: 9.09 : 6.06	8.19	7.30	8.11 5.64	14.57	3/ 3/ 7.48	8.23 5.75	3/ 6.43	12.73

^{1/} Excludes Agricultural Service Workers.
2/ Region map on page 21.
3/ Insufficient data.

 $[\]overline{\underline{4}}/$ Annual rates are averages of the published wage rates for each survey week weighted by the number of hours worked during the week. The annual average for all States, Regions, and the U.S. is based on data collected for January, April, July, and October.

^{5/} Excludes AK.

Hired Workers: Annual Average Wage Rates by Region and United States, 1993 1/4/

	· · · · · · · · · · · · · · · · · · ·		Tyne	of Worker	 ^	M	ethod o	f Dav	
	:			O: WUIKEI		. 17'			
Region <u>2</u> /		:		Field &				Piece:	
	:Hired	:Field	:Stock:	Livestock	c:visory	:Other:	Hourly:	Rate :	Other
•••••	:			Dollar	rs per He	our			
	:								
	: 6.76	6.38	5.41	5.97	10.85	8.22	6.72	6.21	6.89
Northeast II		6.38	5.21	5.92	9.70	8.60	6.28	7.12	6.37
Appalachian I		5.30	5.68	5.38	8.19	<u>3</u> /	5.26	6.52	6.58
Appalachian II		5.52	4.95	5.29	7.97	<u>3</u> /	5.37	<u>3</u> /	5.90
	: 5.76	5.50	5.28	5.43	9.77	6.11	5.55	<u>3</u> /	6.18
	: 6.62	6.02	6.06	6.02	11.45	9.27	5.96	6.64	9.78
	: 6.05	6.36	5.01	5.64	9.33	6.96	6.14	6.65	5.85
	: 6.30	6.14	5.80	6.02	8.62	6.67	6.22	<u>3</u> /	6.44
	: 6.14	5.71	5.80	5.76	9.14	<u>3</u> /	5.85	<u>3</u> /	6.62
	: 5.59	5.15	5.53	5.26	8.65	6.22	5.34	<u>3</u> / <u>3</u> / <u>3</u> / 3/	6.27
Northern Plains		6.01	6.04	6.03	8.25	6.16	6.06	<u>3</u> /	6.36
Southern Plains		4.91	5.07	4.98	8.16	6.39	5.16	5.20	5.85
	: 5.80	5.72	5.45	5.59	6.93	6.33	5.62	<u>3</u> /	5.88
Mountain II	: 6.05	5.72	5.45	5.57	8.17	<u>3</u> /	5.78	<u>3</u> / <u>3</u> /	6.28
	: 6.00	5.28	6.06	5.52	8.98	<u>3</u> /	5.41	<u>3</u> /	7.36
Pacific	: 6.90	6.41	7.19	6.51	10.17	8.79	6.43	7.17	9.04
CA	: 6.56	5.96	6.66	6.03	11.35	8.81	6.04	6.13	9.36
HI	: 9.47	8.42	7.87	8.36	15.04	<u>3</u> /	8.59	<u>3</u> /	13.52
US <u>5</u> /	: : 6.25	5.90	5.59	5.81	9.65	7.60	5.95	6.42	6.88

 ^{1/} Excludes Agricultural Service Workers.
 2/ Region map on page 21.
 3/ Insufficient data.

 $[\]overline{4}$ / Annual rates are averages of the published wage rates for each survey week weighted by the number of hours worked during the week. The annual average for all States, Regions, and the U.S. is based on data collected for January, April, July, and October.

^{5/} Excludes AK.

Hired Workers: Annual Average Wage Rates by State and United States, 1992 1/2/

State	: All Hired	: Field :	Field & Livestock	: Hourly
	· · · · · · · · · · · · · · · · · · ·	Dol	lars per Hour	
AL AZ CO DE FGA IIL INA KY AD MIN MS MT NO NO NO NO NO NO NO NO NO NO NO NO NO	5.835651809431180558811899441596651809431180558811899443470995555655565455555555555555555555555555	10680417993858357201324905266702928440 5556555486556455566554655654555	55.115 5.115 5.115 5.110	5.4007 5.3007 5.3007 5.3007 5.3007 5.3007 5.3007 5.3009 5.3007 6.
TX UT VA	: 5.28 : 6.02 : 5.50	4.80 5.98 5.09	4,95 5,79 5,17	4.91 5.93 5.29
WA WV	: 6.83 : 4. <i>80</i>	6.09 4.75	6.39 4.70	6.19 4.71
WY WY	5.16 5.10	5.35 4.89	4.60 4.92	5.43 5.50
Other States <u>3</u> /	•		6.33	6.95
US <u>4</u> /	6.06	5.69	5.64	5.75

^{1/} Excludes Agricultural Service Workers.
2/ Annual rates are averages of the wage rates for each survey week weighted by the number of hours worked during the week. The annual average is based on data collected for January, April, July, and October.

^{3/} Includes CT. ME. MA. NH. RI. and VT. 4/ Excludes AK.

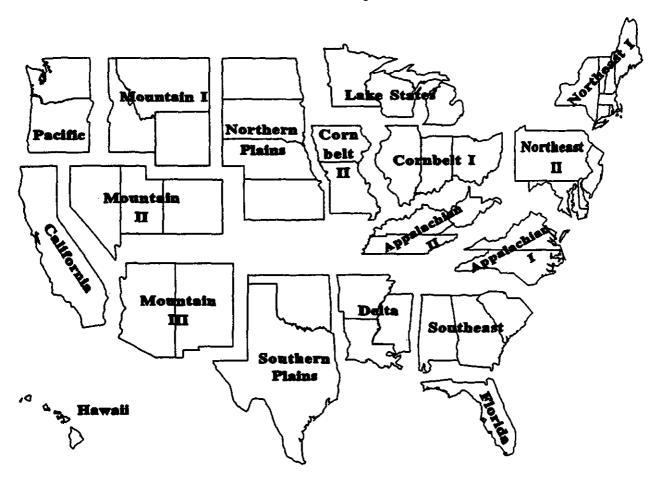
Hired Workers: Annual Average Wage Rates by State and United States. 1993 $\underline{1}/\underline{2}/$

State :	All Hired	: Field :	Field & Livestock	: Hourly
:		Do	ollars per Hour	
AL AZ AR CO DE FL GA HID IIL IN IA KS KY LA MD MI MN MS MO MT NE NV NJ NM NY	5.53 65.84 65.85 65.84 65.27 96.27 66.33 65.36 65.72 66.35 55.56 55.55	5.44 5.34 5.39 5.70 5.70 5.70 5.70 5.70 5.70 5.70 5.70		5.31 31 5.36 6.72 5.96 5.996 5.55 5.50 5.74 5.90 4.90 8.97 8.97 8.55 6.55 6.55 6.55 6.55 6.55 6.55 6.55
NC : ND : OH : OK : OR :	5.54 6.49 5.96 5.93 6.75	5.19 7.01 5.95 5.44 6.38	5.27 6.57 5.66 5.40 6.35	5.05 6.83 5.95 5.60 6.33
PA : SC : SD : TN : TX :	6.02 5.64 5.69 5.81 5.34 6.25	6.46 5.55 5.22 6.22 4.82 6.04	5.78 5.50 5.43 5.72 4.89 5.94	6.16 5.54 5.59 5.83 5.03 5.75
VA : VA : VA : VV : VV : VV : VV :	5.83 6.98 5.03 5.29 5.49	5.53 6.43 4.84 6.01 5.94	5.58 6.60 4.76 4.92 4.98	5.67 6.50 4.66 5.55 6.01
: Other States <u>3</u> /:	7.40	6.92	6.37	7.25
: :: ::	6.25	5.90	5.81	5.95

^{1/} Excludes Agricultural Service Workers.
2/ Annual rates are averages of the wage rates for each survey week weighted by the number of hours worked during the week. The annual average is based on data collected for January, April, July, and October.

^{3/} Includes CT, ME, MA, NH, RI, and VT. 4/ Excludes AK.

Farm Labor Regions



Reg	jion
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States

Northeast I	CT,	ME.	MA.	NH,	NY,	RI.	VT.
Northeast II	DE.	MD,	NJ,	PA.			
Appalachian I	NC.	VA.					
Appalachian II	KY,	TN,	WV.				
Southeast	AL,	GA,	SC.				
Lake	MI,	MN,	WI.				
Cornbelt I	IL,	IN,	OH.				
Cornbelt II	IA.	MO.					
Delta	AR,	LA.	MS.				
Northern Plains	KS.	NE,	ND,	SD.			
Southern Plains	OK,	TX.					
Mountain I	ID,	MT,	WY.				
Mountain II	CO.	NV∙.	UT.				
Mountain III	AZ,	NM.					
Pacific	OR.	WA.					

Reliability of Farm Labor Estimates

Survey Procedures: These data were collected by the National Agricultural
Statistics Service during the last two weeks of October using sampling procedures to ensure every employer of agricultural workers had a chance of being selected.

Two samples of farm operators are selected. First, NASS maintains a list of farms that hire farm workers. Farms on this list are classified by size and type. Those expected to employ large numbers of workers are selected with greater frequency than those hiring few or no workers. A second sample consists of segments of land scientifically selected from aerial photography. Each June, highly trained interviewers locate each selected land segment and identify every farm operating land within the sample segment's boundaries. The names of farms found in these area segments are matched against the list of farms; those not found on the list are included in the labor survey sample to represent all farms not on the NASS list. This methodology is known as multiple frame sampling, with an area sample used to measure the incompleteness of the list. Additionally, a list of agricultural service firms was sampled in California and Florida. The survey reference week was October 10-16, 1993.

Reliability: Two types of errors, sampling and nonsampling, are possible in an estimate based on a sample survey. Both types affect the "precision" of the estimates.

Sampling error occurs because a complete census is not taken. The sampling error measures the variation in estimates from the average of all possible samples. An estimate of 100 with a sampling error of 1 would mean that chances are 19 out of 20 that the estimates from all possible samples averaged together would be between 98 and 102; which is the survey estimate, plus or minus two times the sampling error. The sampling error expressed as a percent of the estimate is called the relative sampling error. The relative sampling error for number of all non-salaried workers at the U.S. level was 1.9 percent and 5.3 percent for all hired workers. The relative sampling error for number of hired workers generally ranged between 10 and 20 percent at the regional and published State level. The U.S. all hired farm worker wage rate had a relative sampling error of 1.4 percent. The relative sampling error was 1.5 percent for hourly paid workers and 1.3 percent for the combined field and livestock worker wage rate. Relative sampling errors for the all hired farm worker wage rate generally ranged between 2 and 6 percent at the regional and published State levels. Relative sampling errors for wage rates published by type of farm and economic class of farm ranged between 2 and 8 percent at the regional level.

Nonsampling errors can occur in complete censuses as well as in sample surveys. They are caused by the inability to obtain correct information from each operation sampled, differences in interpreting questions or definitions, and mistakes in coding or processing the data. Special efforts are taken at each step of the survey to minimize nonsampling errors.

Revision Policy: Farm labor information is subject to revision the next time the information is published or the year after the original publication date. The basis for revision must be supported by additional data that directly affect the level of the estimate. Worker numbers and wage rates

for July, 1993 and October, 1992 were subject to revision with this report. July 1993 worker numbers and wage rates were revised for Florida and at the U S level.

Annual Average Wage Rates: Included with this report are the annual average wage rates for 1992 and 1993. Annual rates are the averages of the wage rates for each survey week weighted by the total number of hours worked during the week. The survey weeks include the 12th of the month for January, April, July, and October. Combining data for the four survey weeks provides a large enough sample to permit publication of some wages at the State level. Annual wage rates for both 1992 and 1993 are published at the regional and U.S. level for the all hired wage rate and the wage rates by method of pay and type of worker. For 1993, annual wage rate information is published at the State level for the all hired wage rate, the hourly wage rate, the field worker wage rate, and the combined field and livestock worker wage rate. For 1993, the relative sampling error, at the U.S. level, was 0.7 percent for all hired workers. The relative sampling error was 0.7 percent for hourly paid workers and was 0.6 percent for the combined field and livestock worker wage rate. The relative sampling error for all hired farm workers. hourly paid workers, and the combined field and livestock worker wage rates generally ranged between 2 and 4 percent at the regional level and 2 to 8 percent at the State level.

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The next "Farm Labor" report will be released at 3:00 p.m. ET on February 15, 1994.

The February 15th report will have information for the survey week of January 9-15, 1994. The report will include the number of Total Workers, All Hired Workers, Average Hours Worked by Hired Workers, and the All Hired Worker Wage Rates for 16 States along with regional and U.S. level information. State level information will be available for Arizona, California, Florida, Hawaii, Michigan, Minnesota, New Mexico, New York, North Carolina, Oklahoma, Oregon, Pennsylvania, Texas, Virginia, Washington, and Wisconsin. The hourly method of pay wage rate and the wage rate for field and livestock workers will be available for the 16 States and at the regional and U.S. level. The number of self-employed and unpaid workers along with the corresponding average hours worked will be available for California, Florida, Hawaii, and at the regional and U.S. level. Wage rates by method of pay, type of worker, type of farm, and economic class of farm will also be available at the regional and U.S. level. The number of Agricultural Service Workers and the corresponding wage rates (including by method of pay and for field workers) will be published for Florida and California.

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