

Farm Labor



United States
Department of
Agriculture

Washington, D.C.

Released November 17, 1992, by the Agricultural Statistics Board. Estimates refer to the week of October 11-17, 1992.

Annual Wage Rates Up

Average wage rates paid by farm operators during 1992 were \$6.06 compared to \$5.79 during 1991. Annual average wage rates were up in all regions. This report includes, for the first time since 1980, state level annual average wage rates.

There were 3.25 million people working on the Nation's farms and ranches during the week of October 11-17, 1992. This compares with 3.29 million people during the October 1991 survey week. Self-employed farm operators accounted for 1.57 million of the total, along with 484,000 unpaid workers, and 892,000 workers hired directly by farm operators. Agricultural service employees working on farms and ranches made up the remaining 295,000 workers.

Farm operators paid their hired workers an average wage of \$6.09 per hour during the October 1992 survey week. This rate was up 21 cents from a year earlier. Workers paid on an hourly basis earned \$5.83 per hour compared with \$5.70 in October 1991. Field workers received an average of \$5.74 per hour, up 7 cents from the October 1991 survey week. Livestock workers earned \$5.57 per hour compared with \$5.32 a year earlier.

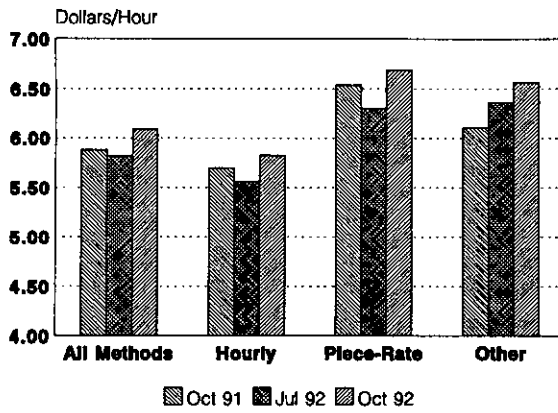
Benefits, such as housing and meals, were provided to 39 percent of the hired workers during the survey week, compared to 37 percent in October 1991.

During the survey week of October 11-17, 1992, a winter-like storm delivered snow to the North Central States and produced rain from the Great Lakes to eastern Texas. Rains briefly interrupted harvest activities in the eastern Corn Belt, while snow fell from the northern Plains to Upper Michigan. Winter wheat seeding progress was slightly ahead of last year. Corn and sorghum harvests progressed slowly and lagged behind normal. Soybean and cotton harvests gained momentum and were near normal. Peanut harvest continued in the South. Potato harvest was nearly complete from Idaho to Maine but lagged behind normal in the far Northwest. Grapefruit harvest was active in Florida, California, and Arizona. Harvest of oranges, tangerines, and grapefruit gained momentum in Florida. In California, Central Valley navel orange harvest was underway, while Valencia orange harvest neared completion. Lemon harvest continued in Arizona and California. Lettuce harvest was active in California, Arizona, and New Mexico. Vegetable harvests continued in Florida and neared completion in New York.

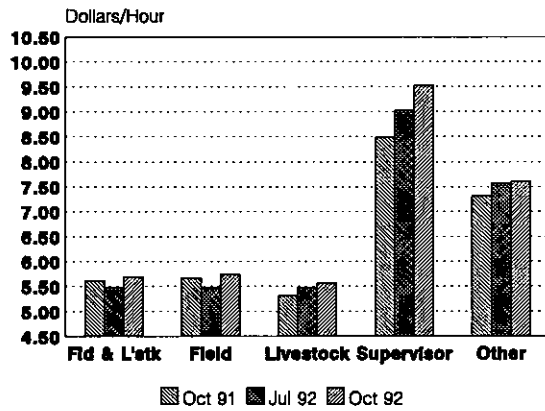
For information call Tom Kurtz at (202) 690-3228. Office hours are 8:00 a.m. to 4:30 p.m. ET.

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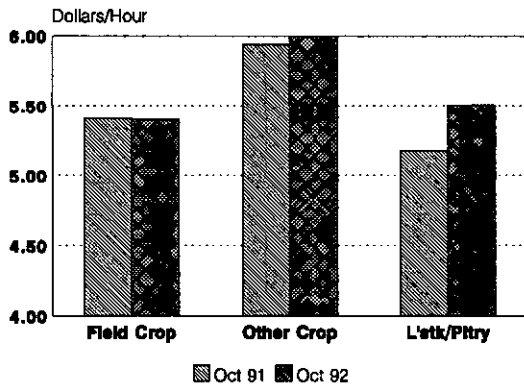
U.S. Wage Rates by Method of Pay



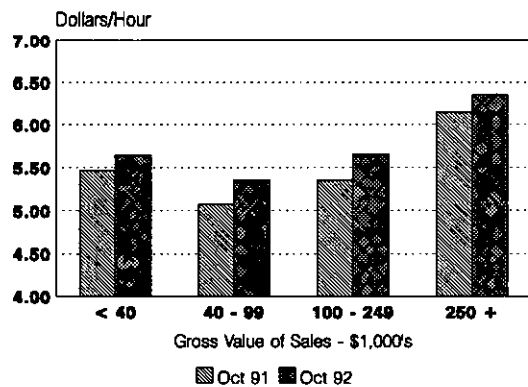
U.S. Wage Rates by Type of Worker



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 11-17, 1992, with Comparisons 1/

Farm Employment	: October 6-12, : 1991	: July 12-18, : 1992	: October 11-17, : 1992
		1,000	
Farm Workers	3,002	3,172	2,950
Self-Employed	1,491	1,604	1,574
Unpaid	515	536	484
Hired	996	1,032	892
Expected to be Employed			
150 Days or More	652	668	600
149 Days or Less	344	364	292
Agricultural Services Workers Working on Farms	287	385	295
Total Farm & Service Workers	3,289	3,557	3,245
Index - 1977=100			
All Farm Workers	72	63	70
Hired Workers	73	54	65
		Dollars per Hour	
Wage Rates for All Hired Workers <u>2/</u> <u>3/</u>	5.88	5.82	6.09
Method of Pay			
Hourly	5.70	5.56	5.83
Piece-Rate	6.54	6.31	6.69
Other	6.11	6.37	6.57
Type of Worker			
Field & Livestock Combined	5.61	5.48	5.70
Field	5.67	5.47	5.74
Livestock	5.32	5.48	5.57
Supervisory	8.50	9.03	9.53
Other	7.32	7.57	7.61
Index - 1977=100			
All Hired Workers	194	212	201

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 11-17, 1992 ^{1/}

State and Region ^{2/}	All Farm Workers	Self-Employed ^{3/}	Unpaid ^{3/}	Hired		
				Number of Workers	Expected to be Employed	
					150 Days or More ^{3/}	149 Days or Less ^{3/}
				1,000		
NY	66			27		
Other ^{4/}	50			25		
Northeast I	116	49	15	52	35	17
PA	101			30		
Other ^{4/}	48			17		
Northeast II	149	71	31	47	32	15
NC	65			22		
VA	51			19		
Appalachian I	116	65	10	41	25	16
Appalachian II	218	140	29	49	28	21
Southeast	146	88	16	42	29	13
FL	81	24	3	54	48	6
MI	90			32		
MN	137			25		
WI	129			32		
Lake	356	180	87	89	44	45
Cornbelt I	306	179	70	57	38	19
Cornbelt II	260	164	59	37	28	9
Delta	148	79	18	51	34	17
Northern Plains	245	160	48	37	24	13
OK	85			15		
TX	197			45		
Southern Plains	282	192	30	60	37	23
Mountain I	66	37	10	19	14	5
Mountain II	57	29	9	19	15	4
AZ	29			12		
NM	28			6		
Mountain III	57	13	26	18	12	6
OR	54			20		
WA	60			30		
Pacific	114	51	13	50	30	20
CA	220	50	9	161	119	42
HI	13	3	1	9	8	1
US ^{5/}	2,950	1,574	484	892	600	292

- 1/ Excludes Agricultural Service Workers.
2/ Region map on page 21.
3/ Published at regional and U.S. level only.
4/ Other States in the same region.
5/ Excludes AK.

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

State and Region ^{2/}	Hours Worked			Wage Rates for All Hired Workers
	Self- Employed ^{3/}	Unpaid ^{3/}	Hired	
	---- Hours per Week ----			Dollars per Hour
NY			43.4	5.82
Other ^{4/}			38.5	7.45
Northeast I	41.9	36.0	41.0	6.56
PA			41.2	5.92
Other ^{4/}			40.2	6.53
Northeast II	45.0	39.3	40.8	6.13
NC			37.6	5.77
VA			39.0	5.61
Appalachian I	34.4	33.8	38.2	5.70
Appalachian II	26.0	32.3	31.1	5.43
Southeast	27.6	25.5	34.0	5.64
FL	24.0	34.0	36.0	6.37
MI			38.9	6.42
MN			44.8	6.76
WI			39.0	5.62
Lake	51.2	43.5	40.6	6.25
Cornbelt I	42.8	38.3	39.8	5.70
Cornbelt II	49.8	42.1	42.0	6.12
Delta	37.8	34.4	48.4	5.01
Northern Plains	51.4	41.0	49.9	6.37
OK			38.0	5.30
TX			42.7	5.38
Southern Plains	29.2	35.0	41.5	5.36
Mountain I	40.0	38.4	50.9	5.38
Mountain II	34.6	35.4	49.8	5.58
AZ			52.0	5.41
NM			41.1	5.92
Mountain III	38.0	36.8	48.4	5.55
OR			42.3	6.84
WA			43.0	7.10
Pacific	29.8	32.6	42.7	7.00
CA	35.4	31.9	42.8	6.63
HI	28.7	30.2	37.5	8.99
US ^{5/}	39.6	38.3	41.4	6.09

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

Hired Workers: Wage Rates by Region, State, and United States,
October 11-17, 1992 1/

State and Region <u>2/</u>	Type of Worker <u>5/</u>					Method of Pay <u>6/</u>		
	Field	Livestock	Field & Livestock	Supervisory	Other	Hourly	Piece Rate	Other
Dollars per Hour								
NY	5.66		5.53			5.91		
Other <u>4/</u>	6.80		6.53			6.90		
Northeast I	6.20	5.38	5.93	10.29	7.08	6.36	6.73	6.91
PA	5.80		5.55			6.00		
Other <u>4/</u>	5.96		5.83			6.15		
Northeast II	5.84	5.20	5.64	9.26	8.18	6.05	6.08	6.23
NC	5.50		5.57			5.28		
VA	5.20		5.30			5.40		
Appalachian I	5.37	5.72	5.46	8.12	7.05	5.33	6.24	6.52
Appalachian II	4.93	5.09	4.99	8.40	<u>3/</u>	5.10	<u>3/</u>	6.75
Southeast	5.08	5.38	5.16	10.93	6.58	5.66	<u>3/</u>	5.65
FL	5.74	6.55	5.84	10.30	<u>3/</u>	5.76	5.75	9.60
MI	6.40		6.32			6.22		
MN	6.44		6.42			6.46		
WI	5.50		4.73			6.53		
Lake	6.26	4.88	5.82	9.68	7.09	6.40	6.88	5.66
Cornbelt I	5.52	5.43	5.50	7.13	7.20	5.62	<u>3/</u>	5.87
Cornbelt II	5.56	6.04	5.74	10.70	5.71	5.94	<u>3/</u>	6.55
Delta	4.76	5.43	4.86	<u>3/</u>	6.90	5.06	<u>3/</u>	4.89
Northern Plains	6.28	6.03	6.22	8.72	<u>3/</u>	6.40	<u>3/</u>	6.35
OK	5.05		5.08			5.20		
TX	4.99		5.08			5.10		
Southern Plains	5.01	5.20	5.08	8.42	6.68	5.13	<u>3/</u>	5.67
Mountain I	5.38	5.10	5.27	<u>3/</u>	<u>3/</u>	5.21	<u>3/</u>	5.51
Mountain II	5.36	5.34	5.35	7.20	<u>3/</u>	5.37	<u>3/</u>	5.77
AZ	4.80		4.95			5.10		
NM	5.42		5.35			5.42		
Mountain III	4.95	5.34	5.06	<u>3/</u>	<u>3/</u>	5.18	<u>3/</u>	6.79
OR	6.50		6.54			6.57		
WA	6.66		6.74			6.71		
Pacific	6.60	6.95	6.66	10.18	<u>3/</u>	6.65	<u>3/</u>	8.51
CA	6.02	6.60	6.10	10.96	9.56	5.91	7.64	8.80
HI	8.09	<u>3/</u>	8.06	<u>3/</u>	<u>3/</u>	8.05	<u>3/</u>	12.21
US <u>7/</u>	5.74	5.57	5.70	9.53	7.61	5.83	6.69	6.57

1/ Excludes Agricultural Service Workers.

2/ Region map on page 21.

3/ Insufficient data.

4/ Other States in the same region.

5/ Livestock, Supervisory, and Other published at Regional and U. S. level only.

6/ Piece Rate and Other published at regional and U. S. level only

7/ Excludes AK.

Workers on Farms: Number by Region, State, and United States,
July 12-18, 1992 ^{1/}

State and Region ^{2/}	All Farm Workers	Self-Employed ^{3/}	Unpaid ^{3/}	Hired		
				Number of Workers	Expected to be Employed	
					150 Days or More ^{3/}	149 Days or Less ^{3/}
				1,000		
NY	73			30		
Other ^{4/}	51			24		
Northeast I	124	52	18	54	36	18
PA	99			28		
Other ^{4/}	50			18		
Northeast II	149	72	31	46	35	11
NC	118			66		
VA	66			24		
Appalachian I	184	75	19	90	30	60
Appalachian II	240	153	40	47	29	18
Southeast	155	80	24	51	31	20
FL	67	23	5	39	33	6
MI	75			22		
MN	138			31		
WI	137			30		
Lake	350	181	86	83	49	34
Cornbelt I	278	173	49	56	37	19
Cornbelt II	253	163	46	44	30	14
Delta	151	86	20	45	32	13
Northern Plains	252	153	53	46	33	13
OK	95			17		
TX	235			64		
Southern Plains	330	197	52	81	48	33
Mountain I	96	46	20	30	19	11
Mountain II	67	34	13	20	15	5
AZ	29			13		
NM	29			7		
Mountain III	58	12	26	20	16	4
OR	75			30		
WA	78			45		
Pacific	153	54	24	75	39	36
CA	250	47	8	195	147	48
HI	15	3	2	10	9	1
AK	.9	<u>6/</u>	<u>6/</u>	.4	<u>6/</u>	<u>6/</u>
US ^{5/}	3,172	1,604	536	1,032	668	364

- 1/ Excludes Agricultural Service Workers.
^{2/} Region map on page 21.
^{3/} Published at regional and U.S. level only.
^{4/} Other States in the same region.
^{5/} Excludes AK.
^{6/} Insufficient data.

Workers on Farms: Hours Worked and Wage Rates for All Hired Workers,
by Region, State, and United States, July 12-18, 1992 ^{1/}

State and Region ^{2/}	Hours Worked			Wage Rates for All Hired Workers
	Self- Employed ^{3/}	Unpaid ^{3/}	Hired	
	----- Hours per Week -----			Dollars per Hour
NY			36.7	5.80
Other ^{4/}			39.0	6.79
Northeast I	45.0	41.2	37.7	6.24
PA			42.0	6.00
Other ^{4/}			44.1	6.50
Northeast II	52.0	36.0	42.8	6.20
NC			34.2	4.86
VA			38.0	5.40
Appalachian I	36.6	35.0	35.2	5.00
Appalachian II	27.6	29.9	32.4	5.35
Southeast	33.4	38.5	38.2	5.22
FL	24.0	30.0	39.5	6.55
MI			35.0	5.68
MN			31.0	6.03
WI			46.6	4.82
Lake	45.9	40.7	37.7	5.40
Cornbelt I	35.8	35.9	36.7	5.82
Cornbelt II	42.4	37.5	35.0	5.72
Delta	33.1	31.3	39.7	4.89
Northern Plains	49.2	38.3	44.3	5.92
OK			40.0	5.35
TX			37.9	5.20
Southern Plains	33.0	36.2	38.3	5.24
Mountain I	53.9	46.2	48.4	5.22
Mountain II	41.8	38.5	43.5	5.76
AZ			47.0	5.90
NM			39.1	5.07
Mountain III	40.4	30.6	44.2	5.64
OR			39.9	6.02
WA			36.0	6.68
Pacific	37.9	35.0	37.6	6.40
CA	30.7	32.5	45.8	6.43
HI	29.4	30.1	38.0	9.01
AK	38.0	38.8	30.0	7.30
US ^{5/}	39.0	36.7	39.9	5.82

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

Hired Workers: Wage Rates by Region, State, and United States,
July 12-18, 1992 1/

State and Region <u>2/</u>	Type of Worker <u>5/</u>					Method of Pay <u>6/</u>		
	Field	Livestock	Field & Livestock	Super-	Other	Hourly	Piece Rate	Other
	Dollars per Hour							
NY	5.82		5.45			5.99		
Other <u>4/</u>	6.71		6.22			6.93		
Northeast I	6.20	5.05	5.79	8.55	9.06	6.40	<u>3/</u>	5.82
PA	5.97		5.69			6.07		
Other <u>4/</u>	6.20		6.06			6.08		
Northeast II	6.07	5.37	5.83	9.46	7.83	6.07	7.20	6.24
NC	4.63		4.73			4.67		
VA	5.10		5.19			5.20		
Appalachian I	4.74	5.64	4.85	7.72	6.45	4.81	5.83	5.43
Appalachian II	5.03	4.98	5.02	8.66	5.67	5.03	<u>3/</u>	6.50
Southeast	4.83	5.45	4.94	9.36	6.70	4.90	6.00	5.75
FL	5.99	5.80	5.97	10.70	7.80	6.00	<u>3/</u>	8.70
MI	5.29		5.28			5.31		
MN	5.74		5.68			5.69		
WI	4.65		4.38			4.86		
Lake	5.31	4.61	4.97	8.30	5.96	5.32	6.27	5.42
Cornbelt I	5.65	5.39	5.52	7.26	6.57	5.55	<u>3/</u>	6.30
Cornbelt II	5.60	5.47	5.52	<u>3/</u>	5.84	5.49	<u>3/</u>	6.25
Delta	4.63	4.94	4.73	7.43	<u>3/</u>	4.89	<u>3/</u>	4.91
Northern Plains	5.52	5.30	5.46	9.49	7.78	5.54	<u>3/</u>	6.33
OK	5.10		5.16			5.00		
TX	4.60		5.00			4.82		
Southern Plains	4.69	5.47	5.03	8.89	7.40	4.86	5.18	5.73
Mountain I	5.06	5.16	5.09	6.36	5.66	5.12	5.05	5.30
Mountain II	5.69	5.19	5.50	<u>3/</u>	7.66	6.02	<u>3/</u>	5.41
AZ	5.20		5.32			5.40		
NM	4.37		4.80			4.71		
Mountain III	4.98	5.73	5.16	<u>3/</u>	7.88	5.23	<u>3/</u>	6.72
OR	5.98		5.95			5.83		
WA	5.88		6.21			5.89		
Pacific	5.92	7.68	6.10	9.46	10.28	5.86	7.76	8.34
CA	5.83	6.82	6.00	10.64	9.00	5.91	6.44	8.70
HI	8.08	<u>3/</u>	7.94	<u>3/</u>	<u>3/</u>	8.19	<u>3/</u>	13.11
AK	6.85	<u>3/</u>	<u>3/</u>	<u>3/</u>	<u>3/</u>	7.40	<u>3/</u>	<u>3/</u>
US <u>7/</u>	5.47	5.48	5.48	9.03	7.57	5.56	6.31	6.37

1/ Excludes Agricultural Service Workers.

2/ Region map on page 21.

3/ Insufficient Data.

4/ Other States in the same region.

5/ Livestock, Supervisory, and Other published at Regional and U. S. level only.

6/ Piece Rate and Other published at regional and U. S. level only

7/ Excludes AK.

Workers on Farms: Number by Region, State, and United States,
October 6-12, 1991 1/

State and Region <u>2/</u>	All Farm Workers <u>3/</u>	Self-Employed <u>3/</u>	Unpaid <u>3/</u>	Hired		
				Number of Workers	Expected to be Employed 150 Days or More <u>3/</u>	149 Days or Less <u>3/</u>
				1,000		
NY				30		
Other <u>4/</u>				25		
Northeast I	114	46	13	55	36	19
PA				38		
Other <u>4/</u>				15		
Northeast II	141	61	27	53	48	5
NC				28		
VA				30		
Appalachian I	144	67	19	58	26	32
Appalachian II	191	132	23	36	25	11
Southeast	130	73	18	39	29	10
FL	87	24	3	60	55	5
MI				30		
MN				19		
WI				35		
Lake	359	183	92	84	44	40
Cornbelt I	311	175	66	70	50	20
Cornbelt II	239	150	55	34	25	9
Delta	134	70	17	47	30	17
Northern Plains	248	144	59	45	26	19
OK				10		
TX				50		
Southern Plains	289	181	48	60	44	16
Mountain I	80	42	14	24	16	8
Mountain II	57	28	8	21	16	5
AZ				13		
NM				7		
Mountain III	58	14	24	20	15	5
OR				34		
WA				55		
Pacific	159	56	14	89	36	53
CA	246	41	14	191	122	69
HI	15	4	1	10	9	1
US <u>5/</u>	3,002	1,491	515	996	652	344

- 1/ Excludes Agricultural Service Workers.
2/ Region map on page 21.
3/ Published at Regional and U.S. level only.
4/ Other States in the same Region.
5/ Excludes AK.

Workers on Farms: Hours Worked and Wage Rates for All Hired Workers,
by Region, State, and United States, October 6-12, 1991 ^{1/}

State and Region ^{2/}	Hours Worked ^{3/}			Wage Rates for All Hired Workers
	Self- Employed	Unpaid	Hired	
	----- Hours per Week -----			Dollars per Hour
NY				5.75
Other ^{4/}				6.91
Northeast I	45.3	37.5	39.7	6.32
PA				5.88
Other ^{4/}				6.59
Northeast II	46.2	37.5	40.1	6.08
NC				5.82
VA				5.03
Appalachian I	35.4	34.2	38.4	5.43
Appalachian II	27.0	28.8	33.6	5.39
Southeast	31.0	29.8	38.0	5.35
FL	27.4	31.2	32.5	6.37
MI				6.25
MN				5.60
WI				4.77
Lake	53.5	41.2	38.9	5.52
Cornbelt I	44.0	37.4	46.1	5.79
Cornbelt II	54.3	44.6	45.0	5.41
Delta	35.8	33.3	50.8	4.73
Northern Plains	54.3	43.9	54.5	5.81
OK				5.48
TX				5.26
Southern Plains	34.3	34.9	38.6	5.31
Mountain I	43.3	44.8	49.4	5.09
Mountain II	38.3	34.0	45.4	5.53
AZ				6.00
NM				4.92
Mountain III	38.3	29.0	46.1	5.65
OR				6.11
WA				6.80
Pacific	31.9	36.5	43.3	6.56
CA	29.7	31.2	43.8	6.32
HI	28.7	35.1	35.4	9.15
US ^{5/}	41.9	38.0	42.2	5.88

- ^{1/} Excludes Agricultural Service Workers.
^{2/} Region map on page 21.
^{3/} Published at Regional and U.S. level only.
^{4/} Other States in the same Region.
^{5/} Excludes AK.

Hired Workers: Wage Rates by Region, State, and United States,
October 6-12, 1991 1/

State and Region <u>2/</u>	Type of Worker					Method of Pay			
	Field	Livestock	Livestock & Field	Super-	visory	Other	Hourly	Piece Rate	Other
Dollar per Hour									
Northeast I	6.29	5.13	5.85	8.78	9.32	6.39	6.63	6.06	
Northeast II	5.81	5.10	5.66	9.35	7.38	5.76	6.47	6.23	
Appalachian I	5.33	5.26	5.32	7.37	<u>3/</u>	5.32	<u>3/</u>	5.89	
Appalachian II	5.11	5.28	5.17	<u>3/</u>	<u>3/</u>	5.37	<u>3/</u>	5.34	
Southeast	4.87	5.38	5.02	8.91	5.80	5.10	<u>3/</u>	5.63	
FL	5.78	5.88	5.79	10.45	8.05	5.85	5.85	9.13	
Lake	5.86	4.52	5.37	6.48	6.37	5.88	6.37	4.63	
Cornbelt I	5.66	5.44	5.62	6.68	6.57	5.83	5.98	5.68	
Cornbelt II	5.27	4.91	5.18	<u>3/</u>	5.90	5.21	<u>3/</u>	5.66	
Delta	4.58	5.41	4.66	<u>3/</u>	<u>3/</u>	4.67	<u>3/</u>	4.94	
Northern Plains	5.87	5.27	5.78	6.59	5.66	6.07	<u>3/</u>	5.38	
Southern Plains	4.97	5.19	5.07	8.38	<u>3/</u>	5.00	<u>3/</u>	5.76	
Mountain I	5.11	4.77	4.97	6.02	<u>3/</u>	5.30	<u>3/</u>	4.87	
Mountain II	5.44	4.72	5.19	7.08	<u>3/</u>	5.17	<u>3/</u>	5.39	
Mountain III	5.33	5.44	5.36	<u>3/</u>	<u>3/</u>	5.26	<u>3/</u>	6.22	
Pacific	6.33	6.45	6.34	9.11	8.56	6.11	6.78	8.28	
CA	5.82	7.31	5.94	11.00	9.27	5.89	6.40	9.05	
HI	8.37	<u>3/</u>	8.27	14.21	<u>3/</u>	8.32	<u>3/</u>	<u>3/</u>	
US <u>4/</u>	5.67	5.32	5.61	8.50	7.32	5.70	6.54	6.11	

- 1/ Excludes Agricultural Service Workers.
2/ Region map on page 21.
3/ Insufficient Data.
4/ Excludes AK.

All Hired Workers: Number, Hours Worked, and Wage Rates,
Selected States, September 6-12, 1992 1/

State	Number of Workers	Average Hours Worked	Wage Rates <u>2/</u>			
			All Hired	Paid Hourly	Field Workers	Field & Lvstk Workers Comb
	1,000	Hours	Dollars per Hour			
NY	26	40.5	6.07	6.17	6.14	5.92
PA	21	41.0	5.60	5.98	5.97	5.45
NC	57	27.5	5.05	4.67	4.90	4.98
FL	45	38.5	6.56	6.05	5.95	6.00
MI	20	35.6	5.55	5.54	5.62	5.45
WI	32	40.8	5.67	5.85	6.00	4.89
TX	44	41.4	5.11	4.87	4.68	4.89
NM	7	46.9	5.46	4.99	5.26	5.26
OR	25	42.1	6.17	5.82	5.96	6.02
WA	60	42.0	6.65	6.55	6.34	6.49
CA	195	41.7	6.68	6.12	6.14	6.20

Agricultural Service Workers: Number, Hours Worked, and Wage Rates,
California and Florida, September 6-12, 1992

State	Number Working on Farms	Average Hours Worked	Wage Rates <u>2/</u>			
			All Hired	Paid Hourly	Paid Piece Rate	Field Workers
	1,000	Hours	Dollars per Hour			
FL	1	43.0	6.63	6.00	<u>3/</u>	6.00
CA	68	40.0	5.82	5.32	7.00	5.60

1/ Excludes Agricultural Service Workers.

2/ Benefits such as housing and meals are provided some workers but the values are not included in the wage rates.

3/ Insufficient data.

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

Region ^{2/}	October 6-12, 1991				October 11-17, 1992			
	Field: Crops:	Other: Crops:	L'stk &: Poultry:	All Farms:	Field: Crops:	Other: Crops:	L'stk &: Poultry:	All Farms:
	Dollars per Hour							
Northeast	5.91	6.27	4.95	5.76	5.61	6.26	5.21	5.79
Appalachian	5.27	5.64	4.99	5.28	4.56	6.06	4.97	5.21
Southeast	4.55	5.85	5.43	5.48	4.70	5.66	6.00	5.55
Lake	5.78	6.15	4.59	5.37	6.55	6.29	4.94	5.82
Cornbelt	5.77	5.63	4.81	5.48	5.49	5.81	5.60	5.60
Delta	4.44	6.69	5.49	4.66	4.65	5.10	5.69	4.86
Northern Plains	5.91	6.02	5.32	5.78	6.43	6.19	5.72	6.22
Southern Plains	4.87	5.26	5.18	5.07	4.90	5.20	5.22	5.08
Mountain	5.24	5.44	4.98	5.15	5.25	4.81	5.43	5.23
Pacific	6.24	5.95	6.82	6.07	6.21	6.12	6.67	6.23
48 States	5.41	5.94	5.18	5.59	5.40	6.00	5.51	5.67

All Hired Workers: Wage Rates, by Economic Class of Farm,
by Region and 48 States ^{1/}

Region ^{2/}	October 6-12, 1991				October 11-17, 1992					
	Gross Value Sales-\$1000's				Gross Value Sales-\$1000's					
	<40:	40-99:	100-249:	250+: Farms:	<40:	40-99:	100-249:	250+: Farms:		
	Dollars per Hour									
N. East	6.88	5.23	4.95	6.55	6.20	7.71	5.10	5.93	6.68	6.36
Appal.	4.72	4.94	4.75	6.20	5.42	4.75	5.44	4.92	5.98	5.56
S. East	4.79	5.22	5.61	6.22	5.97	6.00	5.25	5.86	6.21	6.06
Lake	4.17	4.53	5.49	5.88	5.52	4.12	5.40	5.69	6.89	6.25
Cornbelt	5.60	4.23	5.24	6.14	5.67	5.75	5.41	5.12	6.42	5.88
Delta	4.96	4.83	4.90	4.59	4.73	4.43	4.89	5.12	5.05	5.01
N. Plains:	6.05	6.03	5.43	5.90	5.81	4.46	5.97	6.26	6.54	6.37
S. Plains:	5.63	4.34	5.14	5.77	5.31	4.81	5.39	5.51	5.42	5.36
Mountain	6.10	4.76	4.94	5.61	5.39	4.82	4.90	5.90	5.53	5.50
Pacific	6.27	6.60	6.22	6.42	6.40	6.44	6.03	6.36	6.81	6.72
48 States:	5.46	5.08	5.35	6.15	5.85	5.65	5.35	5.66	6.36	6.06

^{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, 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.

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

Type of Farm	October 6-12, 1991	July 12-18, 1992	October 11-17, 1992
	Percent of Field and Livestock Workers <u>2/ 3/</u>		
Field Crops	28	29	26
Other Crops	46	38	41
Livestock, Dairy, & Poultry	26	33	33
	100.0	100.0	100.0

Hired Workers: Distribution
by Economic Class of Farm, 48 States 1/

Gross Value of Sales	October 6-12, 1991	July 12-18, 1992	October 11-17, 1992
	Percent of Hired Workers <u>3/</u>		
Less than \$40,000	10	12	10
\$40,000-\$99,999	11	14	12
\$100,000-\$249,999	19	22	21
\$250,000 and over	60	52	57
	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 1/ 2/

	October 6-12, 1991	July 12-18, 1992	October 11-17, 1992
Percent of Hired Workers			
Employed on Farms Hiring:			
1 Worker	13	13	14
2 Workers	9	11	12
3-6 Workers	18	25	22
7-10 Workers	10	10	9
At least 11 Workers	50	41	43
	100.0	100.0	100.0
Payment Method:			
Hourly	68	70	70
Piece-Rate	11	6	7
Other Methods	21	24	23
	100.0	100.0	100.0
Benefits: 3/			
Housing and Meals	5	7	5
Housing (no Meals)	13	16	14
Meals (no Housing)	4	3	4
Bonus	4	4	5
Other Benefits	11	11	11
Wages Only	63	59	61
	100.0	100.0	100.0

1/ Excludes Agricultural Service Workers.

2/ Excludes AK.

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 295,000 workers for the Nation's farms and ranches during the week of October 11-17, 1992. Service workers in California numbered 80,000 compared with 52,000 during the October 1991 survey week. Florida's number of service workers was 3,600, compared to 5,700 last year.

The average wages received by agricultural service workers in California and Florida were \$6.33 and \$7.09 per hour, respectively. Comparable wages in October 1991 were \$6.16 in California and \$5.86 in Florida.

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

Item	: October 6-12, 1992:			: July 12-18, 1992:			: October 11-17, 1992		
	: CA	: FL	: US	: CA	: FL	: US	: CA	: FL	: US
	: 1,000								
Number of Workers Working on Farms	: 52.0	: 5.7	: 287.0	: 81.0	: 3.8	: 385.0	: 80.0	: 3.6	: 295.0
	: Hours <u>2/</u>								
Hours Worked	: 35.4	: 29.3	: -	: 41.1	: 41.0	: -	: 40.5	: 31.0	: -
	: Dollars per Hour <u>2/</u>								
Wage Rates <u>3/</u>	: 6.16	: 5.86	: -	: 5.58	: 6.17	: -	: 6.33	: 7.09	: -
Method of Pay	:								
Hourly	: 5.41	: 5.95	: -	: 5.15	: 6.00	: -	: 5.40	: 6.50	: -
Piece-Rate	: 7.57	: 5.50	: -	: 7.12	: <u>4/</u>	: -	: 7.58	: 6.90	: -
Type of Work	:								
Field	: 5.93	: 5.50	: -	: 5.42	: 5.99	: -	: 6.14	: 6.49	: -

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, 1991 1/ 4/

Region <u>2/</u>	Type of Worker					Method of Pay			
	All Hired	Field	Live- Stock	Field & Livestock	Super- visory	Other	Hourly	Piece- Rate	Other
Dollars per Hour									
Northeast I	6.06	6.05	5.09	5.61	8.43	8.93	6.07	6.70	5.97
Northeast II	5.74	5.60	4.98	5.39	8.79	6.79	5.56	6.43	5.67
Appalachian I	5.12	4.91	5.20	4.97	7.60	6.89	4.93	<u>3/</u>	5.70
Appalachian II	5.36	4.95	5.16	5.04	9.07	<u>3/</u>	5.13	<u>3/</u>	5.95
Southeast	5.22	4.65	5.62	4.91	9.53	6.56	4.84	5.54	6.06
FL	6.28	5.69	5.65	5.68	10.81	8.44	5.71	6.20	8.14
Lake	5.35	5.54	4.73	5.16	6.88	6.46	5.53	5.62	5.03
Cornbelt I	6.00	5.68	5.38	5.59	7.68	6.37	5.77	6.38	6.32
Cornbelt II	5.50	5.05	5.30	5.15	8.41	5.72	5.11	<u>3/</u>	6.14
Delta	4.88	4.69	4.86	4.73	7.82	<u>3/</u>	4.65	<u>3/</u>	5.41
Northern Plains	5.52	5.46	5.18	5.36	7.49	6.27	5.68	<u>3/</u>	5.34
Southern Plains	5.12	4.79	5.00	4.87	8.03	6.50	4.89	<u>3/</u>	5.45
Mountain I	5.12	5.02	4.85	4.94	6.09	<u>3/</u>	5.28	<u>3/</u>	5.02
Mountain II	5.59	5.35	5.23	5.29	7.38	<u>3/</u>	5.32	<u>3/</u>	5.70
Mountain III	5.52	5.12	5.25	5.17	7.74	<u>3/</u>	5.13	<u>3/</u>	6.11
Pacific	6.22	5.91	6.08	5.94	8.52	8.03	5.77	6.59	7.38
CA	6.41	5.78	6.84	5.90	11.16	9.20	5.83	6.69	9.11
HI	8.80	8.02	<u>3/</u>	7.95	14.25	<u>3/</u>	8.07	<u>3/</u>	12.58
US <u>5/</u>	5.79	5.49	5.29	5.43	8.74	7.50	5.51	6.43	6.25

1/ Excludes Agricultural Service Workers.

2/ Region map on page 21.

3/ Insufficient data.

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, 1992 1/ 4/

Region 2/	Type of Worker					Method of Pay			
	All Hired	Field	Live- Stock	Field & Livestock	Super- visory	Other	Hourly	Piece- Rate	Other
Dollars per Hour									
Northeast I	6.42	6.29	5.16	5.82	9.87	8.04	6.38	3/	6.46
Northeast II	6.38	6.12	5.33	5.81	10.27	7.62	6.24	6.52	6.57
Appalachian I	5.33	4.92	5.60	5.07	8.64	6.60	5.07	5.94	5.95
Appalachian II	5.38	5.06	5.17	5.09	8.60	3/	5.15	3/	6.20
Southeast	5.49	4.89	5.46	5.04	9.96	7.42	5.23	5.92	6.00
FL	6.38	5.87	6.18	5.91	10.58	8.23	5.87	6.08	8.75
Lake	5.85	5.90	4.86	5.38	9.19	7.15	5.81	6.63	5.80
Cornbelt I	6.08	6.02	5.53	5.85	7.55	6.40	5.91	3/	6.38
Cornbelt II	5.94	5.55	5.73	5.65	8.84	5.86	5.66	3/	6.45
Delta	5.06	4.80	5.13	4.87	7.70	5.98	4.98	3/	5.25
Northern Plains	6.07	5.85	5.66	5.78	8.75	6.30	5.92	3/	6.23
Southern Plains	5.31	4.85	5.22	5.01	8.56	7.04	5.00	3/	5.68
Mountain I	5.40	5.25	5.24	5.25	6.59	5.63	5.25	3/	5.48
Mountain II	5.79	5.57	5.32	5.44	8.11	3/	5.56	3/	6.02
Mountain III	5.79	5.30	5.57	5.37	8.93	7.93	5.47	3/	6.67
Pacific	6.66	6.13	7.32	6.31	9.61	8.25	6.18	6.90	8.20
CA	6.66	6.00	6.72	6.11	11.71	9.13	6.00	6.89	9.41
HI	9.09	8.19	7.30	8.11	14.57	3/	8.23	3/	12.73
US 5/	6.06	5.69	5.55	5.64	9.58	7.48	5.75	6.43	6.65

1/ Excludes Agricultural Service Workers.

2/ Region map on page 21.

3/ Insufficient data.

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
Dollars per Hour				
AL	5.95	5.10	5.32	5.46
AZ	5.83	5.36	5.41	5.50
AR	5.35	5.08	5.19	5.40
CA	6.66	6.00	6.11	6.00
CO	5.65	5.34	5.25	5.37
DE	5.51	5.01	4.95	5.09
FL	6.38	5.87	5.91	5.87
GA	5.50	4.89	5.01	5.37
HI	9.09	8.19	8.11	8.23
ID	5.54	5.23	5.40	5.20
IL	6.13	5.98	5.88	5.84
IN	6.21	6.25	6.11	6.06
IA	6.08	5.68	5.82	5.90
KS	6.40	5.83	5.84	5.87
KY	5.25	4.75	4.88	4.92
LA	4.85	4.67	4.70	4.80
MD	7.38	6.92	6.23	6.83
MI	6.21	5.90	5.80	5.76
MN	6.41	6.21	6.07	6.19
MS	4.88	4.63	4.67	4.74
MO	5.79	5.42	5.48	5.49
MT	5.34	5.44	5.13	5.35
NE	5.84	5.69	5.69	5.67
NV	5.81	5.40	5.35	5.31
NJ	7.25	6.75	6.72	6.46
NM	5.69	5.02	5.24	5.39
NY	5.76	5.76	5.43	5.91
NC	5.26	4.86	5.02	4.98
ND	6.26	6.27	6.19	6.62
OH	5.91	5.90	5.59	5.87
OK	5.44	5.12	5.26	5.29
OR	6.43	6.19	6.19	6.17
PA	5.94	5.82	5.56	6.06
SC	4.87	4.68	4.76	4.77
SD	5.50	5.44	5.28	5.54
TN	5.59	5.30	5.34	5.39
TX	5.28	4.80	4.95	4.91
UT	6.02	5.98	5.79	5.93
VA	5.50	5.09	5.17	5.29
WA	6.83	6.09	6.39	6.19
WV	4.80	4.75	4.70	4.71
WI	5.16	5.35	4.60	5.43
WY	5.10	4.89	4.92	5.50
Other States <u>3/</u>	7.17	6.86	6.33	6.95
US <u>4/</u>	6.06	5.69	5.64	5.75

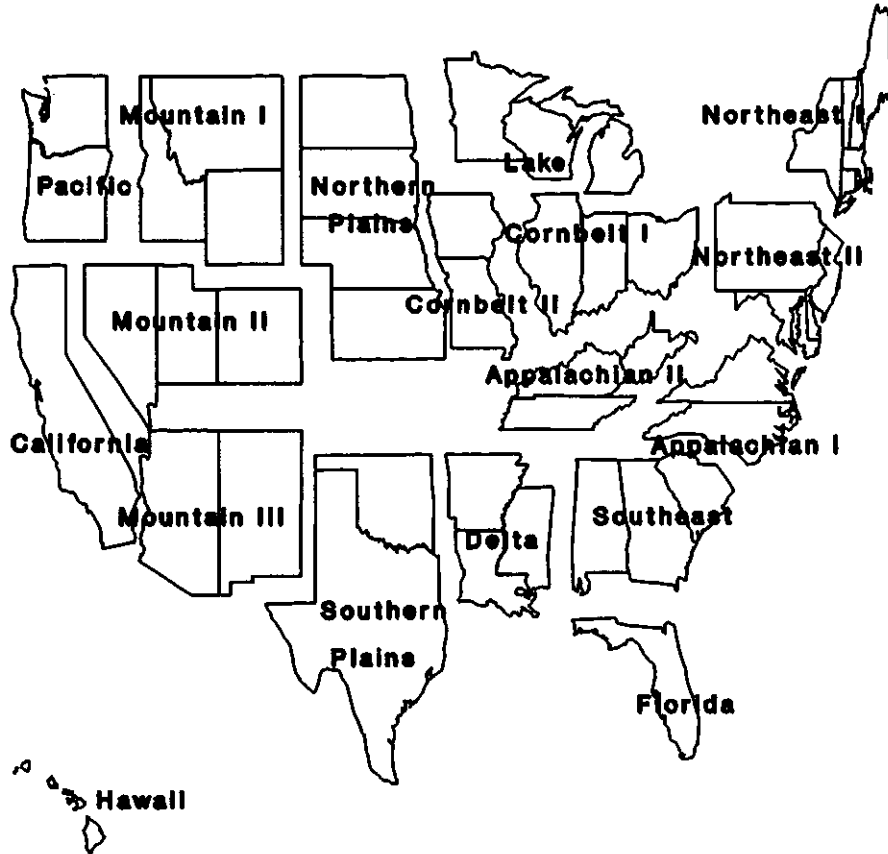
1/ Excludes Agricultural Service Workers.

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.

Farm Labor Regions



Region	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 11-17, 1992.

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 2.3 percent and 3.6 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 0.9 percent. The relative sampling error was 1.1 percent for hourly paid workers and was 0.9 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 5 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 6 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, and September of 1992, and October 1991 were subject to revision with this report. No revisions were made but previous data are reprinted in this report for your information.

Annual Average Wage Rates: Included with this report are the annual average wage rates for 1991 and 1992. 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 1991 and 1992 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 1992, 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 1992, the relative sampling error, at the U.S. level, was 0.8 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 17, 1993.

Monthly Farm Labor reports have been discontinued. Quarterly reports will be issued for the survey weeks in January, April, July, and October 1993. The February 17th report will have information for the survey week of January 10-16, 1993. 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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