

Farm Labor



National
Agricultural
Statistics
Service

United States
Department of
Agriculture

Washington, D.C.

Released August 13, 1991, by the Agricultural Statistics Board. Estimates refer to the week of July 7-13, 1991.

July Worker Numbers Down Slightly

There were 3.68 million people working on the Nation's farms and ranches during the week of July 7-13, 1991, according to the Agricultural Statistics Board. Self-employed farm operators accounted for 1.58 million of the total workers, along with 611 thousand unpaid workers, and 1.12 million workers hired directly by farm operators. Agricultural service employees working on farms and ranches made up the remaining 374 thousand workers.

Farm operators paid their hired workers an average wage of \$5.57 per hour during the July 1991 survey week. This rate was up 27 cents from a year earlier. Workers paid on an hourly basis earned \$5.35 per hour compared with \$5.06 last July. Field workers received an average of \$5.26 per hour, up 21 cents from the July 1990 survey week. Livestock workers earned \$5.16 compared with \$4.90 per hour a year earlier.

Self-employed farm operators worked an average of 41.9 hours, 1.2 hours more than the comparable week in 1990. Unpaid workers averaged 39.3 hours, 1.4 hours above last year. Hired employees worked 40.2 hours, three-tenths of an hour more than in July of last year.

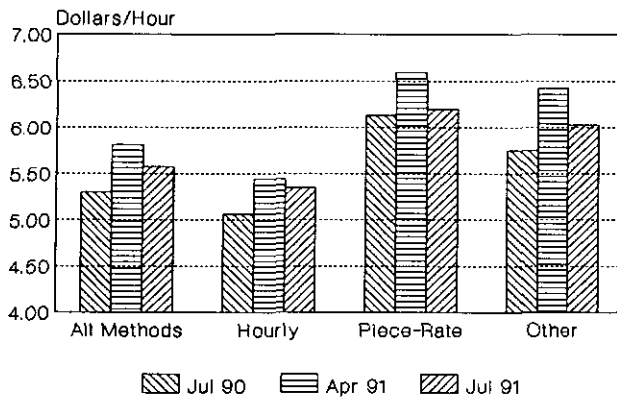
Benefits, such as housing and meals, were provided to 38 percent of the hired workers during the survey week. This compared with 43 percent last year.

Early during the survey week of July 7-13, 1991, beneficial rains fell in the Corn Belt and the Northeast. Heavy thunderstorms occurred along the Gulf Coast and in Florida. Midweek rains fell from the central Great Plains to North Carolina. Rains were especially heavy in Missouri. Late in the week, thunderstorms occurred from the southern High Plains through the Great Lakes area. Thunderstorms caused some localized flooding from the upper Mississippi Valley through the Northeast. Winter wheat harvest was complete in the Southeast and Southern Great Plains but was just beginning in the Pacific Northwest. Small grain harvests were active in the Northern Great Plains. In California, apricot, plum, freestone peach, and nectarine harvests continued. Table grape harvest began in the southern San Joaquin Valley. Broccoli, cauliflower, and other vegetable harvests continued. Citrus harvest was complete in Florida. Peach harvest was active in Georgia. Cherry harvest was ongoing in the Pacific Northwest. Tomato and pepper harvests were active in the San Antonio-Winter Garden area of Texas.

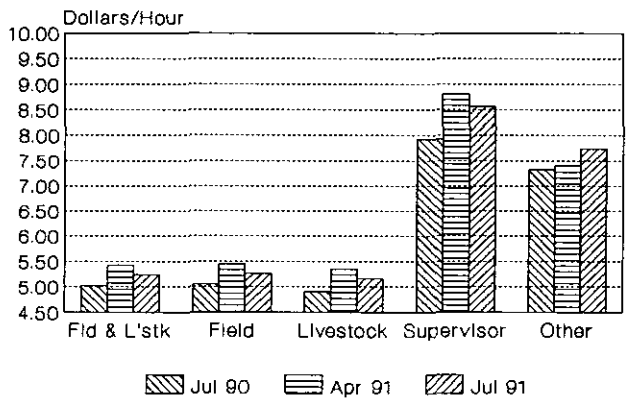
For information, call Tom Kurtz at (202) 475-3228. Office hours are 8:00 a.m. to 4:30 p.m. ET.

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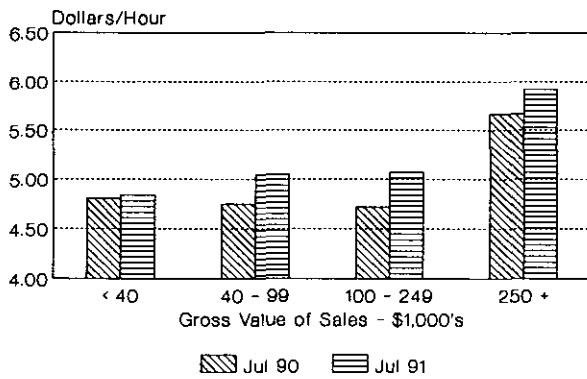
U.S. Wage Rates by Method of Pay



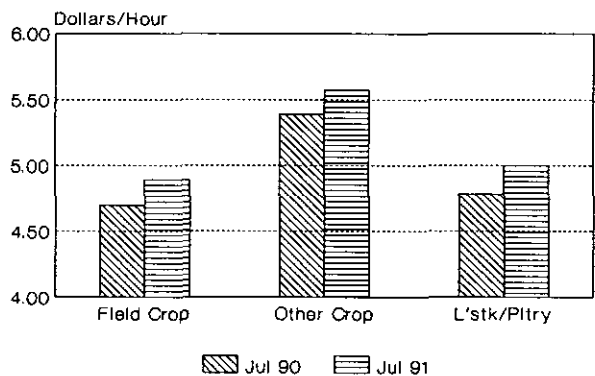
U.S. Wage Rates by Type of Worker



Wage Rates of All Hired Workers by Economic Class of Farm



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



Farm Employment, Wage Rates, and Indexes, United States,
July 7-13, 1991, with comparisons 3/

Farm Employment	: July 8-14, : 1990	: April 7-13, : 1991	: July 7-13, : 1991
	: Thousands		
Farm Workers	3,335	2,743	3,308
Self-Employed	1,624	1,481	1,581
Unpaid	605	436	611
Hired	1,106	826	1,116
Expected to be Employed			
150 Days or More	650	636	697
149 Days or Less	456	190	419
Agricultural Services Workers Working on Farms	356	206	374
Total Farm & Service Workers	3,691	2,949	3,682
Index - 1977=100			
All Farm Workers	66	71	65
Hired Workers	58	74	59
	: Dollars per Hour		
Wage Rates for All Hired Workers <u>1/</u> <u>2/</u>	5.30	5.81	5.57
Method of Pay			
Hourly	5.06	5.44	5.35
Piece-Rate	6.13	6.59	6.20
Other	5.75	6.42	6.03
Type of Worker			
Field & Livestock Combined	5.02	5.42	5.24
Field	5.05	5.45	5.26
Livestock	4.90	5.35	5.16
Supervisory	7.93	8.82	8.56
Other	7.32	7.39	7.74
Index - 1977=100			
All Hired Workers	193	203	203

- 1/ Benefits, such as housing and meals, are provided some workers but the values are not included in the wage rates.
2/ Excludes Agricultural Service Workers.
3/ Excludes AK.

Workers on Farms by State, Region, and U.S.,
July 7-13, 1991 ^{1/}

State and Region ^{2/}	All Farm Workers ^{3/}	Self-Employed ^{3/}	Unpaid ^{3/}	Hired		
				Number of Workers	Expected to be Employed 150 Days or More ^{3/}	149 Days or Less ^{3/}
Thousands						
NY				33		
Other ^{4/}				28		
Northeast I	131	49	21	61	44	17
PA				35		
Other ^{4/}				16		
Northeast II	144	65	28	51	42	9
NC				71		
VA				22		
Appalachian I	210	91	26	93	36	57
Appalachian II	209	144	28	37	21	16
Southeast	164	76	26	62	32	30
FL	74	22	7	45	42	3
MI				48		
MN				23		
WI				35		
Lake	407	183	118	106	54	52
Cornbelt I	293	178	61	54	33	21
Cornbelt II	259	158	57	44	26	18
Delta	152	78	15	59	37	22
Northern Plains	267	152	69	46	29	17
OK				14		
TX				56		
Southern Plains	291	167	54	70	42	28
Mountain I	98	45	21	32	21	11
Mountain II	71	33	17	21	14	7
AZ				14		
NM				9		
Mountain III	59	12	24	23	19	4
OR				43		
WA				49		
Pacific	184	69	23	92	36	56
CA	280	55	15	210	160	50
HI	15	4	1	10	9	1
AK ^{5/}	.8	<u>6/</u>	<u>6/</u>	.4	<u>6/</u>	<u>6/</u>
US	3,308	1,581	611	1,116	697	419

- 1/ Excludes Agricultural Service Workers.
2/ Region map on page 17.
3/ Published at regional level only.
4/ Other States in the same Region.
5/ Excluded from U.S.
6/ Insufficient Data.

Hours Worked and Wage Rates for All Hired Workers,
by State, Region, and U.S., July 7-13, 1991 1/

State and Region <u>2/</u>	Hours Worked <u>3/</u>			Wage Rates for All Hired Workers
	Self- Employed	Unpaid	Hired	
	Hours per Week			Dollars per Hour
NY				5.81
Other <u>4/</u>				6.32
Northeast I	49.6	39.2	40.7	6.05
PA				5.62
Other <u>4/</u>				5.93
Northeast II	44.0	41.7	40.5	5.71
NC				4.96
VA				4.95
Appalachian I	31.9	31.2	31.7	4.96
Appalachian II	27.5	30.6	33.6	5.12
Southeast	35.0	42.3	36.1	4.97
FL	28.5	35.0	38.5	6.35
MI				5.45
MN				5.46
WI				4.34
Lake	53.4	41.0	37.8	5.08
Cornbelt I	39.3	38.3	33.9	5.70
Cornbelt II	47.5	38.4	32.7	5.47
Delta	33.5	37.0	44.6	4.65
Northern Plains:	57.1	45.2	43.7	5.26
OK				5.42
TX				4.88
Southern Plains:	36.8	35.2	44.5	4.99
Mountain I	54.9	47.1	45.3	5.04
Mountain II	48.2	37.7	42.3	5.49
AZ				5.84
NM				4.65
Mountain III	43.4	41.0	45.8	5.43
OR				5.75
WA				5.80
Pacific	34.8	37.5	39.5	5.78
CA	35.8	37.4	46.0	6.23
HI	30.5	32.7	38.4	8.70
AK <u>5/</u>	39.0	41.0	30.0	6.65
US	41.9	39.3	40.2	5.57

1/ Excludes Agricultural Service Workers.

2/ Region map on page 17.

3/ Published at regional level only.

4/ Other States in the same Region.

5/ Excluded from U.S.

Wage Rates for Hired Workers by Region and U.S.,
July 7-13, 1991 ^{1/}

Region ^{2/}	Type of Worker					Method of Pay		
	Field	Livestock	Livestock	visory	Other	Hourly	Piece Rate	Other
Dollars per Hour								
Northeast I	5.81	5.18	5.56	8.13	9.07	5.98	<u>3/</u>	6.19
Northeast II	5.44	5.14	5.36	8.59	6.79	5.37	6.39	5.85
Appalachian I	4.69	5.50	4.79	8.04	<u>3/</u>	4.75	5.73	6.08
Appalachian II	4.94	5.04	4.96	<u>3/</u>	<u>3/</u>	5.03	<u>3/</u>	5.55
Southeast	4.37	5.39	4.53	10.21	6.58	4.73	4.51	6.00
FL	5.74	5.55	5.71	10.90	7.65	5.83	<u>3/</u>	7.85
Lake	5.17	4.26	4.93	6.96	6.49	5.39	4.81	4.47
Cornbelt I	5.45	5.66	5.51	6.59	6.27	5.48	6.78	5.92
Cornbelt II	4.92	5.16	5.00	8.33	5.62	4.96	<u>3/</u>	6.96
Delta	4.50	4.56	4.51	7.23	<u>3/</u>	4.52	<u>3/</u>	5.03
Northern Plains	4.83	5.13	4.91	7.98	6.63	5.31	<u>3/</u>	5.20
Southern Plains	4.81	4.89	4.83	7.71	<u>3/</u>	4.86	<u>3/</u>	5.22
Mountain I	4.99	4.66	4.88	6.00	<u>3/</u>	5.31	5.41	4.76
Mountain II	5.09	5.41	5.22	<u>3/</u>	<u>3/</u>	5.01	<u>3/</u>	6.05
Mountain III	5.06	5.29	5.12	7.19	7.27	5.12	<u>3/</u>	5.93
Pacific	5.50	4.98	5.47	8.01	8.79	5.47	5.92	6.76
CA	5.77	6.39	5.82	11.10	10.00	5.76	7.25	8.43
HI	8.02	<u>3/</u>	7.92	13.96	<u>3/</u>	7.96	<u>3/</u>	12.03
AK ^{4/}	6.00	<u>3/</u>	<u>3/</u>	<u>3/</u>	<u>3/</u>	6.26	<u>3/</u>	<u>3/</u>
US	5.26	5.16	5.24	8.56	7.74	5.35	6.20	6.03

- ^{1/} Excludes Agricultural Service Workers.
^{2/} Region map on page 17.
^{3/} Insufficient Data.
^{4/} Excluded from U.S.

Workers on Farms by State, Region, and U.S.,
April 7-13, 1991 ^{1/}

State and Region ^{2/}	All Farm Workers ^{3/}	Self- Employed ^{3/}	Unpaid ^{3/}	Hired		
				Number of Workers	Expected to be Employed 150 Days or More ^{3/}	149 Days or Less ^{3/}
Thousands						
NY				22		
Other ^{4/}				17		
Northeast I	90	39	12	39	33	6
PA				23		
Other ^{4/}				12		
Northeast II	139	70	34	35	27	8
NC				27		
VA				14		
Appalachian I	122	68	13	41	29	12
Appalachian II	204	151	24	29	19	10
Southeast	122	67	8	47	35	12
FL	79	28	5	46	33	13
MI				27		
MN				18		
WI				29		
Lake	308	165	69	74	54	20
Cornbelt I	280	172	56	52	42	10
Cornbelt II	210	151	34	25	19	6
Delta	119	64	15	40	30	10
Northern Plains	237	147	57	33	26	7
OK				9		
TX				47		
Southern Plains	280	185	39	56	40	16
Mountain I	80	44	12	24	19	5
Mountain II	54	27	10	17	14	3
AZ				9		
NM				7		
Mountain III	51	10	25	16	13	3
OR				18		
WA				46		
Pacific	120	47	9	64	42	22
CA	235	43	13	179	153	26
HI	13	3	1	9	8	1
US	2,743	1,481	436	826	636	190

^{1/} Excludes Agricultural Service Workers.

^{2/} Region map on page 17.

^{3/} Published at regional level only.

^{4/} Other States in the same Region.

Hours Worked and Wage Rates for All Hired Workers
by State, Region, and U.S., April 7-13, 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				5.71
Other ^{4/} Northeast I	50.1	35.4	40.7	6.23 5.93
PA				5.40
Other ^{4/} Northeast II	43.6	41.0	39.3	5.86 5.56
NC				4.42
VA				5.60
Appalachian I	32.1	41.2	39.8	4.79
Appalachian II	21.5	23.2	32.6	5.61
Southeast	28.4	38.1	38.2	5.20
FL	22.5	32.8	37.1	5.98
MI				5.85
MN				5.82
WI				5.20
Lake	46.9	34.2	37.3	5.59
Cornbelt I	36.2	35.5	36.1	6.50
Cornbelt II	40.2	33.6	36.5	5.63
Delta	28.5	29.7	36.7	5.30
Northern Plains	49.0	38.6	41.5	5.41
OK				5.40
TX				5.01
Southern Plains	30.2	29.8	35.9	5.06
Mountain I	42.9	39.4	48.9	5.11
Mountain II	43.4	32.2	45.7	5.67
AZ				5.67
NM				4.87
Mountain III	31.1	25.8	45.2	5.33
OR				5.99
WA				6.10
Pacific	34.4	37.4	41.5	6.07
CA	38.3	34.9	44.4	6.38
HI	29.9	34.5	37.8	8.73
US	36.7	34.3	40.0	5.81

^{1/} Excludes Agricultural Service Workers.

^{2/} Region map on page 17.

^{3/} Published at regional level only.

^{4/} Other States in the same Region.

Wage Rates for Hired Workers by Region and U.S.,
April 7-13, 1991 ^{1/}

Region ^{2/}	Type of Worker					Method of Pay		
	Field	Livestock	Livestock	visory	Other	Hourly	Piece Rate	Other
Dollars per Hour								
Northeast I	5.98	5.08	5.54	8.43	^{3/}	5.96	^{3/}	5.79
Northeast II	5.50	5.01	5.30	7.85	6.69	5.55	6.46	5.43
Appalachian I	4.31	5.30	4.60	7.75	6.22	4.50	^{3/}	5.25
Appalachian II	4.98	4.90	4.94	10.32	^{3/}	5.09	^{3/}	6.62
Southeast	4.66	6.36	5.03	8.61	7.10	4.71	5.67	6.59
FL	5.39	5.88	5.45	10.98	8.73	5.32	6.81	7.63
Lake	5.86	5.07	5.38	7.15	6.62	5.31	^{3/}	5.94
Cornbelt I	5.94	5.46	5.80	9.12	6.35	5.96	^{3/}	7.26
Cornbelt II	4.99	5.20	5.09	8.39	5.49	5.06	^{3/}	6.33
Delta	5.14	5.01	5.09	8.30	^{3/}	4.89	^{3/}	6.08
Northern Plains	5.45	4.99	5.23	7.67	7.16	5.48	^{3/}	5.34
Southern Plains	4.73	4.96	4.82	7.73	5.63	4.85	^{3/}	5.41
Mountain I	4.96	4.93	4.95	5.75	5.60	5.23	^{3/}	5.04
Mountain II	5.62	5.21	5.44	6.98	^{3/}	5.74	^{3/}	5.62
Mountain III	4.98	5.11	5.03	7.74	^{3/}	4.95	^{3/}	5.94
Pacific	5.74	5.95	5.78	7.90	8.20	5.47	6.80	7.24
CA	5.69	6.91	5.82	10.90	8.94	5.77	6.65	9.50
HI	7.95	^{3/}	7.88	14.30	8.61	8.01	^{3/}	11.98
US	5.45	5.35	5.42	8.82	7.39	5.44	6.59	6.42

- ^{1/} Excludes Agricultural Service Workers.
^{2/} Region map on page 17.
^{3/} Insufficient Data.

Workers on Farms by Region and U.S.,
July 8-14, 1990 ^{1/}

Region ^{2/}	All Farm Workers	Self-Employed	Unpaid	Hired		
				Number of Workers	Expected to be Employed 150 Days or More	Expected to be Employed 149 Days or Less
Thousands						
Northeast I	119	46	18	55	41	14
Northeast II	160	71	37	52	38	14
Appalachian I	171	78	19	74	26	48
Appalachian II	211	142	31	38	16	22
Southeast	158	83	13	62	31	31
FL	66	24	6	36	29	7
Lake	415	194	105	116	53	63
Cornbelt I	331	190	74	67	41	26
Cornbelt II	256	158	51	47	23	24
Delta	138	74	19	45	35	10
Northern Plains	286	156	79	51	27	24
Southern Plains	306	189	48	69	46	23
Mountain I	94	48	17	29	21	8
Mountain II	73	27	17	29	20	9
Mountain III	54	10	25	19	16	3
Pacific	200	59	26	115	33	82
CA	282	72	19	191	144	47
HI	15	3	1	11	10	1
US	3,335	1,624	605	1,106	650	456

Hours Worked and Wage Rates for All Hired Workers
by Region and U.S., July 8-14, 1990 ^{1/}

Region ^{2/}	Hours Worked			Wage Rates for All Hired Workers
	Self-Employed	Unpaid	Hired	
Hours per Week				Dollars per Hour
Northeast I	49.7	39.4	40.1	5.36
Northeast II	38.2	40.8	41.5	5.42
Appalachian I	33.8	35.1	34.8	4.60
Appalachian II	26.2	30.9	29.7	4.98
Southeast	29.3	35.5	33.5	4.45
FL	25.2	31.2	37.3	5.87
Lake	54.3	43.4	32.8	4.96
Cornbelt I	36.7	33.8	34.3	5.49
Cornbelt II	45.4	37.8	35.5	4.86
Delta	35.6	33.9	41.0	4.59
Northern Plains	58.1	42.9	47.7	5.17
Southern Plains	33.8	34.4	44.6	4.61
Mountain I	51.4	44.6	45.1	4.67
Mountain II	56.8	37.8	49.2	5.00
Mountain III	41.6	36.1	48.7	5.13
Pacific	37.2	34.7	41.8	5.51
CA	31.6	27.4	45.4	6.18
HI	29.2	33.7	37.1	8.64
US	40.7	37.9	39.9	5.30

^{1/} Excludes Agricultural Service Workers. ^{2/} Region map on page 17.

Wage Rates for Hired Workers by Region and U.S.,
July 8-14, 1990 1/

Region <u>2/</u>	Type of Worker					Method of Pay		
	Field	Livestock	Livestock	visory	Other	Hourly	Piece Rate	Other
Dollars per Hour								
Northeast I	5.38	4.65	5.08	7.48	7.43	5.60	<u>3/</u>	4.95
Northeast II	5.20	4.65	5.03	7.97	6.89	5.34	6.44	5.39
Appalachian I	4.40	4.87	4.48	6.48	<u>3/</u>	4.36	5.41	5.14
Appalachian II	4.75	4.82	4.78	8.28	<u>3/</u>	4.85	<u>3/</u>	5.25
Southeast	4.10	5.05	4.23	7.43	<u>3/</u>	4.24	<u>3/</u>	5.39
FL	5.32	5.59	5.36	9.77	7.98	5.48	5.51	6.82
Lake	5.06	4.26	4.75	6.91	7.36	4.95	6.19	4.84
Cornbelt I	5.18	4.93	5.09	7.19	6.10	5.28	<u>3/</u>	5.79
Cornbelt II	4.49	4.81	4.61	6.09	<u>3/</u>	4.69	<u>3/</u>	5.18
Delta	4.41	4.30	4.39	8.27	<u>3/</u>	4.28	5.01	5.06
Northern Plains	5.05	5.29	5.08	<u>3/</u>	<u>3/</u>	5.24	<u>3/</u>	5.02
Southern Plains	4.32	4.26	4.30	7.36	<u>3/</u>	4.29	<u>3/</u>	5.18
Mountain I	4.58	4.83	4.69	<u>3/</u>	<u>3/</u>	4.98	<u>3/</u>	4.58
Mountain II	4.71	4.95	4.77	7.50	<u>3/</u>	4.73	<u>3/</u>	5.48
Mountain III	4.51	5.16	4.71	7.94	<u>3/</u>	4.79	<u>3/</u>	5.96
Pacific	5.25	6.33	5.30	9.19	<u>3/</u>	5.16	5.96	7.42
CA	5.68	6.64	5.78	10.84	<u>3/</u>	5.52	7.52	9.33
HI	7.97	<u>3/</u>	7.88	13.18	<u>3/</u>	8.08	<u>3/</u>	11.45
US	5.05	4.90	5.02	7.93	7.32	5.06	6.13	5.75

1/ Excludes Agricultural Service Workers.

2/ Region map on page 17.

3/ Insufficient Data.

All Hired Workers, June 9-15, 1991 1/

State	Number of Workers	Wage Rates <u>2/</u>
	Thousands	Dollars per Hour
NY	36	5.67
PA	29	5.35
NC	30	4.90
FL	33	6.04
MI	30	5.74
WI	41	4.83
TX	55	5.52
NM	6	4.75
OR	34	5.50
WA	58	5.95
CA	214	6.03

Agricultural Service Workers, June 9-15, 1991

State	Number of Workers Working on Farms	Wage Rates <u>2/</u>
	Thousands	Dollars per Hour
FL	2	6.85
CA	62	5.72

All Hired Workers, May 12-18, 1991 1/

State	Number of Workers	Wage Rates <u>2/</u>
	Thousands	Dollars per Hour
NY	22	5.48
PA	26	5.45
NC	31	4.90
FL	43	6.30
MI	29	5.87
WI	35	4.46
TX	41	5.37
NM	6	4.91
OR	19	5.89
WA	35	6.00
CA	200	6.26

Agricultural Service Workers, May 12-18, 1991

State	Number of Workers Working on Farms	Wage Rates <u>2/</u>
	Thousands	Dollars per Hour
FL	8	7.14
CA	41	5.81

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.

Wage Rates of Field and Livestock Workers Combined,
By Type of Farm ^{1/}

Regions ^{2/}	July 8-14, 1990				July 7-13, 1991			
	Field: Crops	Other: Crops	L'stk &: Poultry	All Farms	Field: Crops	Other: Crops	L'stk &: Poultry	All Farms
	Dollars per Hour							
Northeast	5.15	5.57	4.49	5.06	5.46	5.89	4.94	5.47
Appalachian	4.42	4.83	4.72	4.57	4.55	5.48	5.08	4.84
Southeast	3.98	5.42	5.00	4.66	4.35	5.50	5.07	5.07
Lake	5.07	5.62	4.15	4.75	6.21	5.16	4.22	4.93
Cornbelt	4.85	5.08	4.76	4.83	5.17	5.56	5.23	5.27
Delta	4.14	4.94	4.35	4.39	4.53	4.27	4.76	4.51
Northern Plains	5.12	4.75	5.01	5.08	5.07	5.46	4.74	4.91
Southern Plains	4.26	4.23	4.35	4.30	4.66	4.30	5.06	4.83
Mountain	4.58	4.78	4.80	4.73	4.94	5.22	5.07	5.05
Pacific	5.70	5.49	6.33	5.61	5.66	5.71	5.93	5.72
48 States	4.70	5.39	4.78	5.00	4.89	5.57	5.00	5.22

Wage Rates of All Hired Workers
by Economic Class of Farm ^{1/}

Regions ^{2/}	July 8-14, 1990				July 7-13, 1991					
	Gross Value Sales-\$1000's <40:	40-99:	100-249:	250+: Farms	Gross Value Sales-\$1000's <40:	40-99:	100-249:	250+: Farms		
	Dollars per Hour									
N. East	5.57	4.35	4.36	6.04	5.39	6.04	4.53	5.07	6.36	5.90
Appal.	4.47	4.38	4.48	5.32	4.72	4.60	4.88	4.87	5.43	5.01
S. East	4.43	4.39	4.95	5.26	5.02	4.42	5.63	4.80	6.08	5.63
Lake	3.76	4.53	4.18	5.66	4.96	3.91	4.75	4.88	5.57	5.08
Cornbelt	5.83	3.95	4.99	5.47	5.16	4.58	5.06	5.36	6.21	5.59
Delta	4.28	5.06	4.45	4.59	4.59	4.74	4.60	4.52	4.73	4.65
N. Plains:	4.59	5.45	4.59	5.45	5.17	3.88	4.80	4.94	5.66	5.26
S. Plains:	4.19	4.27	4.25	5.23	4.61	5.19	4.64	4.74	5.33	4.99
Mountain	4.60	4.48	4.30	5.30	4.92	5.33	5.14	4.90	5.48	5.28
Pacific	5.37	6.43	5.78	5.98	5.94	5.53	6.52	5.83	6.15	6.10
48 States:	4.81	4.75	4.72	5.66	5.27	4.84	5.05	5.07	5.92	5.54

^{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.

^{3/} Insufficient Data.

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

Type of Farm	July 8-14, 1990	April 7-13 1991	July 7-13, 1991
	Percent of Field and Livestock Workers <u>2/</u> <u>3/</u>		
Field Crops	31	23	30
Other Crops	39	44	43
Livestock, Dairy, & Poultry	30	33	27
	100.0	100.0	100.0

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

Gross Value of Sales	July 8-14, 1990	April, 7-13, 1991	July 7-13, 1991
	Percent of Hired Workers <u>3/</u>		
Less than \$40,000	15	10	14
\$40,000-\$99,999	14	11	15
\$100,000-\$249,999	21	20	20
\$250,000 and over	50	59	51
	100.0	100.0	100.0

1/ 48 States, excluding AK and HI.

2/ Field and Livestock Workers combined.

3/ Excludes Agricultural Service Workers.

Distribution of Hired Workers on Farms, U.S. 1/ 2/

Category	July 8-14, 1990	April 7-13, 1991	July 7-13, 1991
Percent of Hired Workers			
Employed on Farms Hiring:			
1 Worker	12	15	11
2 Workers	11	13	10
3-6 Workers	25	20	24
7-10 Workers	10	11	11
At least 11 Workers	42	41	44
	100.0	100.0	100.0
Payment Method:			
Hourly	72	66	72
Piece-Rate	7	7	8
Other Methods	21	27	20
	100.0	100.0	100.0
Benefits: <u>3/</u>			
Housing and Meals	6	6	6
Housing (no Meals)	15	14	13
Meals (no Housing)	6	4	4
Bonus	4	4	4
Other Benefits	12	13	11
Wages Only	57	59	62
	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 374,000 workers for the Nation's farms and ranches during the week of July 7-13, 1991. Service workers in California numbered 70,000 compared with 67,000 during the July 1990 survey week. Florida's number of service workers was 4,000, unchanged from last July.

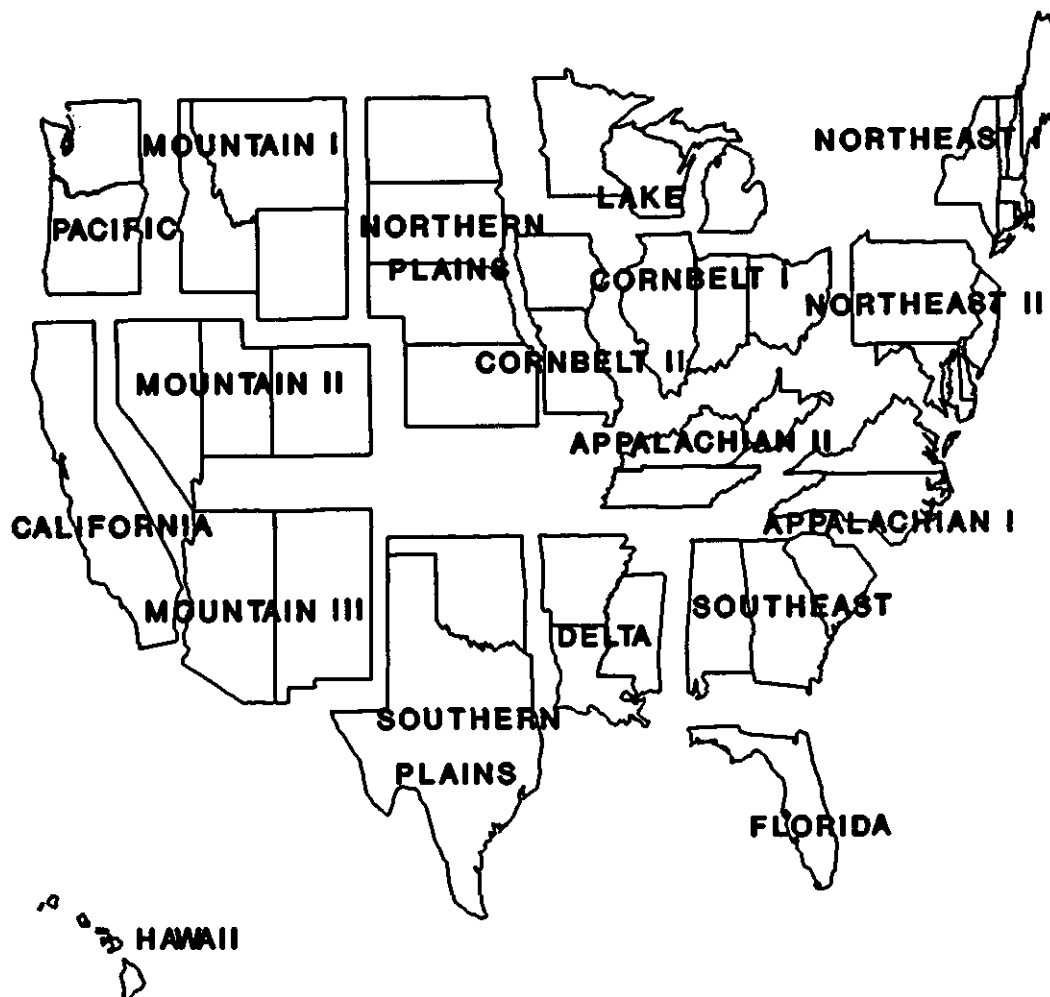
The average wages received by agricultural service workers in California and Florida were \$5.56 and \$7.21 per hour, respectively. Comparable wages in July 1990 were \$5.82 in California and \$6.11 in Florida.

Agricultural Services for California, Florida, and U.S. Workers, Hours Worked, and Wage Rates 1/

Item	: July 8-14, 1990			: April 7-13, 1991			: July 7-13, 1991		
	: CA	: FL	: US	: CA	: FL	: US	: CA	: FL	: US
	: Thousands								
Number of Workers	:								
Working on Farms	: 67.0	: 4.0	: 356.0	: 30.0	: 11.0	: 206.0	: 70.0	: 4.0	: 374.0
	: Hours <u>2/</u>								
Hours Worked	:								
	: 37.4	: 26.8	: -	: 42.8	: 31.4	: -	: 40.3	: 32.3	: -
	: Dollars per Hour <u>2/</u>								
Wage Rates <u>3/</u>	:								
	: 5.82	: 6.11	: -	: 6.02	: 7.03	: -	: 5.56	: 7.21	: -
Method of Pay	:								
Hourly	: 5.40	: 5.49	: -	: 5.72	: 6.10	: -	: 5.10	: 6.90	: -
Piece-Rate	: 7.10	: 7.30	: -	: 6.85	: 7.12	: -	: 7.21	: 8.35	: -
Type of Work	:								
Field	: 5.49	: 5.75	: -	: 5.70	: 6.66	: -	: 5.38	: 7.04	: -

- 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.

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.

Source and Reliability of Estimates

These data were collected by the National Agricultural Statistics Service during the last two weeks of July using a multiple frame probability survey. The survey used two sampling frames - a list frame and an area frame. The survey collected information from approximately 12,000 farm operators sampled from a list of farm operators and supplemented with data from 7,000 producers operating in randomly selected geographic areas. This insured representation of all U.S. farms (and ranches). Additionally, a list of agricultural service firms was sampled in California and Florida. The survey reference week was July 7-13, 1991.

Two types of errors, sampling and nonsampling, are possible in an estimate based on a sample survey. Both of these types of errors determine the "accuracy" of the indication.

Sampling error occurs because a complete census is not taken. The sample of respondents used to calculate this particular indication is one of a large number of samples that could have been selected in accordance with the sampling design. The sampling error measures the variation among the indications from all possible samples. An indication of 100 with a sampling error of 1 would mean that chances are 19 out of 20 that the indications of all possible samples averaged together would be between 98 and 102 (the indication, plus or minus two times the sampling error). The sampling error expressed as a percent of the indication is called the relative sampling error. The relative sampling errors for the U.S. indications of number of all non-salaried workers and hired workers was about 2 and 3 percent, respectively. The relative sampling error for number of hired workers generally ranged between 10 and 20 percent at the regional and published State level. The all hired farm worker wage rate had a relative sampling error of 0.9 percent at the U.S. level. The relative sampling error was 1.0 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 6 percent at the regional and published State level. Relative sampling errors for wage rates published by type of farm and economic class of farm also ranged between 2 and 6 percent at the regional level.

Nonsampling errors can occur in complete censuses as well as sample surveys. They are due to such things as inability to obtain correct information from each person sampled, differences in interpreting questions or definitions, mistakes in coding or processing the data, etc. Careful efforts were made 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 following the original publication date. Information contained in this publication that was subject to revision was worker numbers and wage rates for April and June of 1991 and July 1990. No revisions were made but the information for those time periods is reprinted in this report for your information.

Release of Historical Farm Labor Data Series

Statistical Bulletin number 822 titled Farm Employment and Wage Rates 1910-1990 is now available. This publication combines selected farm labor estimates from 1910 through 1990 into a single reference copy. A history of the farm labor data series is highlighted. Also discussed are the Agricultural Labor Survey sample design, survey definitions, and data collection methods. Estimation procedures and publication of data in the Farm Labor release are presented.

An electronic file containing data in this historical report is also available (\$35). These data are in the form of LOTUS 1-2-3 worksheet files on two (2) DOS compatible, 3 1/2" HD diskettes.

To order a printed copy of Farm Employment and Wage Rates 1910-1990, ask for Statistical Bulletin number 822 (\$14). To receive the electronic files, ask for Farm Employment and Wage Rates 1910-1990, order #91005Z.

The next "Farm Labor" report will be released at 3:00 p.m. ET on September 13, 1991.

The September 13th report will have information for the survey week of August 11-17, 1991. The report will include number of All Hired Workers and the All Hired Worker Wage Rates for the monthly and seasonal States. The monthly States are California, Florida, New Mexico, and Texas. The seasonal States are Michigan, New York, North Carolina, Oregon, Pennsylvania, Washington, and Wisconsin. No regional or U.S. level information will be included. The number of Agricultural Service Workers and the corresponding All Hired Service Worker Wage Rate will be published for California and Florida.

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