

Farm Labor



**National
Agricultural
Statistics
Service**

**United States
Department of
Agriculture**

Washington, D.C.

Released August 17, 1993, by the Agricultural Statistics Board. Estimates refer to the week of July 11-17, 1993.

July Worker Numbers Up Slightly

There were 3.59 million people working on the Nation's farms and ranches during the week of July 11-17, 1993. Self-employed farm operators accounted for 1.60 million of the total, along with 559,000 unpaid workers, and 1.07 million workers hired directly by farm operators. Agricultural service employees working on farms and ranches made up the remaining 358,000 workers.

Farm operators paid their hired workers an average wage of \$6.09 per hour during the July 1993 survey week. This rate was up 27 cents from a year earlier. Workers paid on an hourly basis earned \$5.84 per hour compared with \$5.56 last July. Field workers received an average of \$5.78 per hour, up 31 cents from the July 1992 survey week. Livestock workers earned \$5.42 per hour compared with \$5.48 a year earlier.

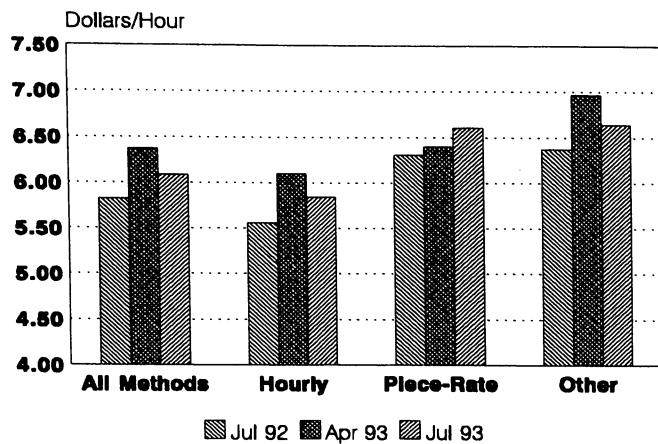
Self-employed farm operators worked an average of 37.6 hours, compared to 39.0 hours in the comparable week in 1992. Unpaid workers averaged 33.2 hours, compared to 36.7 hours last year. Hired employees worked 39.9 hours during the survey week, the same as last year.

Benefits, such as housing and meals, were provided to 40 percent of the hired workers during the survey week, compared to 41 percent in July 1992.

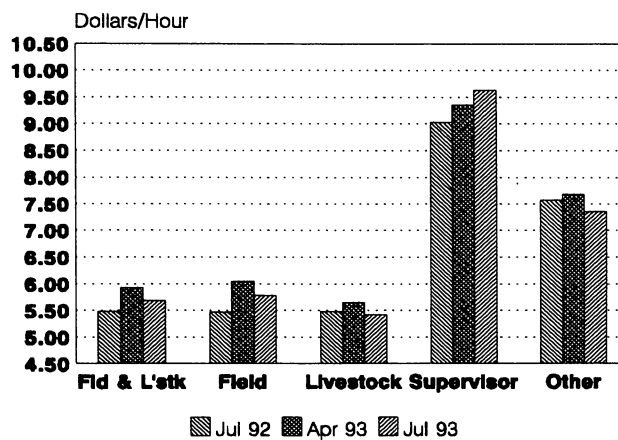
During the survey week of July 11-17, 1993, rain fell over the central part of the Nation limiting field activities and adding to the flooding problem of previous weeks. Conditions in the northern Great Plains were cool and damp. The East Coast was dry and warm. Temperatures were above normal from Texas to New England, below normal in the Northwest, and normal elsewhere. Winter wheat harvest was virtually completed in the Southeast and neared completion in Oklahoma and Texas. In the central Great Plains, winter wheat harvest continued where weather and field conditions permitted. Producers were planting double-crop soybeans in southeastern Kansas. Grain sorghum harvest continued in south Texas. Rain in the Midwest and Northwest hampered harvest of hay. Fertilizers were applied to rice fields in California and Arkansas. Early potato harvest began in Washington. Valencia orange and stone fruit harvests advanced in California. California walnuts and almonds were treated for insects. Producers in Florida and southern Texas prepared land for fall vegetable planting. Rain delayed onion harvest in New Mexico. Vegetable harvest was active along both the East and West coasts.

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

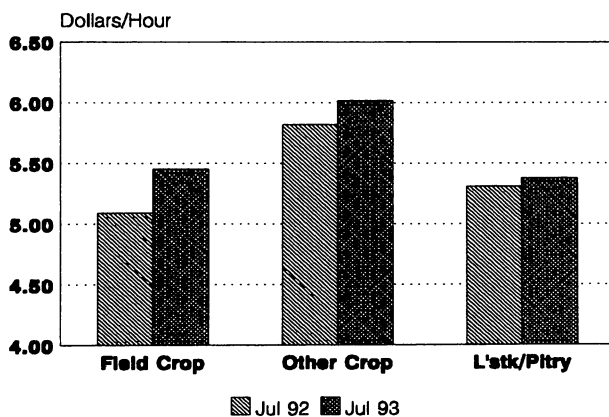
U.S. Wage Rates by Method of Pay



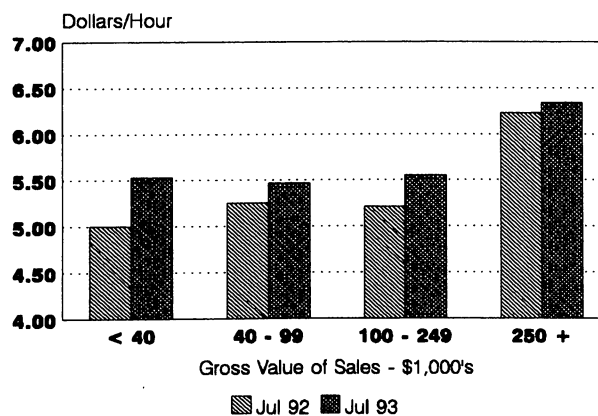
U.S. Wage Rates by Type of Worker



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,
July 11-17, 1993, with Comparisons 1/

Farm Employment	July 12-18, 1992	April 11-17, 1993	July 11-17, 1993
		1,000	
Farm Workers	3,172	2,660	3,230
Self-Employed	1,604	1,468	1,604
Unpaid	536	364	559
Hired	1,032	828	1,067
Expected to be Employed			
150 Days or More	668	658	692
149 Days or Less	364	170	375
Agricultural Services			
Workers Working on Farms	385	224	358
Total Farm & Service Workers	3,557	2,884	3,588
Index - 1977=100			
All Farm Workers	63	70	64
Hired Workers	54	74	56
		Dollars per Hour	
Wage Rates for			
All Hired Workers <u>2/</u> <u>3/</u>	5.82	6.37	6.09
Method of Pay			
Hourly	5.56	6.10	5.84
Piece-Rate	6.31	6.40	6.61
Other	6.37	6.97	6.64
Type of Worker			
Field & Livestock Combined	5.48	5.92	5.69
Field	5.47	6.04	5.78
Livestock	5.48	5.65	5.42
Supervisory	9.03	9.36	9.64
Other	7.57	7.68	7.36
Index - 1977=100			
All Hired Worker Wage Rate	212	223	222

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,
July 11-17, 1993 1/

State and Region <u>2/</u>	All Farm Workers	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	77			25		
Other <u>4/</u>	58			28		
Northeast I	135	56	26	53	38	15
PA	103			24		
Other <u>4/</u>	42			18		
Northeast II	145	69	34	42	32	10
NC	104			49		
VA	51			18		
Appalachian I	155	70	18	67	25	42
Appalachian II	219	141	37	41	25	16
Southeast	154	77	22	55	34	21
FL	82	25	4	53	47	6
MI	98			29		
MN	146			25		
WI	142			32		
Lake	386	206	94	86	51	35
Cornbelt I	310	186	58	66	49	17
Cornbelt II	239	150	58	31	25	6
Delta	168	89	22	57	45	12
Northern Plains	238	149	46	43	28	15
OK	88			15		
TX	250			70		
Southern Plains	338	195	58	85	53	32
Mountain I	89	42	18	29	20	9
Mountain II	63	27	12	24	16	8
AZ	25			11		
NM	29			8		
Mountain III	54	11	24	19	16	3
OR	78			38		
WA	89			54		
Pacific	167	58	17	92	35	57
CA	275	50	10	215	145	70
HI	13	3	1	9	8	1
AK	.8	<u>6/</u>	<u>6/</u>	.3	<u>6/</u>	<u>6/</u>
US <u>5/</u>	3230	1604	559	1067	692	375

1/ Excludes Agricultural Service Workers.

2/ Region map on page 17.

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 11-17, 1993 1/

State and Region <u>2/</u>	Hours Worked			Wage Rates for All Hired Workers
	Self- Employed <u>3/</u>	Unpaid <u>3/</u>	Hired	
	----- Hours per Week -----			Dollars per Hour
NY			45.3	5.80
Other <u>4/</u>			39.8	7.07
Northeast I	47.6	38.9	42.4	6.43
PA			43.0	6.04
Other <u>4/</u>			42.5	6.98
Northeast II	44.2	34.5	42.8	6.44
NC			31.8	5.07
VA			42.0	5.64
Appalachian I	32.1	31.1	34.5	5.26
Appalachian II	27.6	29.8	31.9	5.39
Southeast	30.1	28.9	33.2	5.68
FL	22.0	28.0	37.0	7.14
MI			32.1	6.11
MN			32.1	6.22
WI			41.0	5.10
Lake	45.9	36.3	35.4	5.71
Cornbelt I	37.7	31.4	35.7	5.93
Cornbelt II	40.0	36.7	34.4	6.15
Delta	32.8	31.9	39.0	5.68
Northern Plains	42.0	31.9	47.0	5.79
OK			41.0	5.30
TX			40.3	5.16
Southern Plains	34.6	31.2	40.4	5.19
Mountain I	46.0	33.6	47.7	5.66
Mountain II	49.7	33.4	46.1	5.86
AZ			52.0	5.88
NM			49.6	6.00
Mountain III	40.7	28.9	51.0	5.93
OR			39.7	6.19
WA			44.0	6.17
Pacific	30.3	32.4	42.2	6.18
CA	32.0	33.0	43.0	6.64
HI	29.2	31.0	38.1	9.52
AK	46.0	35.0	35.0	7.10
US <u>5/</u>	37.6	33.2	39.9	6.09

1/ Excludes Agricultural Service Workers.

2/ Region map on page 17.

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 11-17, 1993 1/

State and Region <u>2/</u>	Type of Worker <u>5/</u>					Method of Pay <u>6/</u>		
	Field	Livestock	Field & Livestock	Super- visory	Other	Hourly	Piece Rate	Other
Dollars per Hour								
NY	5.66		5.40			6.07		
Other <u>4/</u>	6.50		6.16			7.05		
Northeast I	6.00	5.34	5.76	9.95	7.62	6.56	<u>3/</u>	6.14
PA	6.55		5.75			6.46		
Other <u>4/</u>	6.02		6.07			6.24		
Northeast II	6.30	5.05	5.88	10.28	8.49	6.35	7.03	6.47
NC	4.95		4.99			4.76		
VA	5.38		5.44			5.50		
Appalachian I	5.07	5.67	5.12	<u>3/</u>	6.08	4.96	6.12	<u>3/</u>
Appalachian II	5.42	4.94	5.22	<u>3/</u>	<u>3/</u>	5.36	<u>3/</u>	5.33
Southeast	5.28	5.72	5.39	8.73	6.22	5.41	5.38	6.35
FL	6.40	6.00	6.35	13.00	9.50	6.31	<u>3/</u>	10.10
MI	5.83		5.70			5.75		
MN	6.51		5.84			5.96		
WI	5.43		4.70			5.65		
Lake	5.90	4.66	5.30	10.18	7.45	5.75	7.53	5.38
Cornbelt I	5.80	5.66	5.76	8.05	5.78	5.85	<u>3/</u>	6.11
Cornbelt II	5.61	5.88	5.76	8.68	<u>3/</u>	5.96	<u>3/</u>	6.56
Delta	5.07	5.75	5.30	9.01	6.83	5.47	6.94	6.19
Northern Plains	5.67	5.64	5.66	7.39	5.67	5.80	<u>3/</u>	5.77
OK	5.25		5.22			5.20		
TX	4.72		4.80			4.96		
Southern Plains	4.80	4.98	4.88	8.28	6.26	5.02	4.99	5.44
Mountain I	5.71	5.23	5.54	6.58	<u>3/</u>	5.73	<u>3/</u>	5.55
Mountain II	5.60	5.18	5.39	7.93	<u>3/</u>	5.72	<u>3/</u>	6.04
AZ	5.30		5.40			5.30		
NM	5.60		5.67			5.60		
Mountain III	5.41	5.75	5.52	<u>3/</u>	<u>3/</u>	5.43	<u>3/</u>	<u>3/</u>
OR	6.00		5.99			5.89		
WA	5.87		6.01			5.95		
Pacific	5.92	7.07	6.00	8.29	7.62	5.93	6.42	7.84
CA	6.06	7.12	6.11	11.63	8.21	6.07	6.92	10.94
HI	8.54	<u>3/</u>	8.54	14.88	<u>3/</u>	8.60	<u>3/</u>	13.58
AK	6.65	<u>3/</u>	<u>3/</u>	<u>3/</u>	<u>3/</u>	7.35	<u>3/</u>	<u>3/</u>
US <u>7/</u>	5.78	5.42	5.69	9.64	7.36	5.84	6.61	6.64

1/ Excludes Agricultural Service Workers.

2/ Region map on page 17.

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.
April 11-17, 1993 1/

State and Region <u>2/</u>	All Farm Workers	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	62			23		
Other <u>4/</u>	31			20		
Northeast I	93	38	12	43	33	10
PA	85			22		
Other <u>4/</u>	43			15		
Northeast II	128	65	26	37	29	8
NC	68			25		
VA	44			11		
Appalachian I	112	65	11	36	25	11
Appalachian II	197	145	22	30	20	10
Southeast	122	69	14	39	28	11
FL	90	25	4	61	54	7
MI	62			17		
MN	119			14		
WI	108			23		
Lake	289	171	64	54	43	11
Cornbelt I	259	171	40	48	38	10
Cornbelt II	199	145	28	26	21	5
Delta	119	68	14	37	31	6
Northern Plains	213	137	37	39	31	8
OK	85			14		
TX	203			50		
Southern Plains	288	190	34	64	47	17
Mountain I	72	40	9	23	19	4
Mountain II	48	27	7	14	12	2
AZ	29			13		
NM	27			9		
Mountain III	56	11	23	22	19	3
OR	56			23		
WA	67			36		
Pacific	123	53	11	59	41	18
CA	240	45	7	188	160	28
HI	12	3	1	8	7	1
US <u>5/</u>	2660	1468	364	828	658	170

1/ Excludes Agricultural Service Workers.

2/ Region map on page 17.

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, April 11-17, 1993 1/

State and Region <u>2/</u>	Hours Worked			Wage Rates for All Hired Workers
	Self- Employed <u>3/</u>	Unpaid <u>3/</u>	Hired	
	----- Hours per Week -----			Dollars per Hour
NY			39.9	6.28
Other <u>4/</u>			38.9	7.60
Northeast I	48.6	38.4	39.4	6.96
PA			43.0	6.25
Other <u>4/</u>			44.1	7.05
Northeast II	44.6	36.4	43.4	6.58
NC			36.1	5.77
VA			39.0	6.10
Appalachian I	29.9	33.0	37.0	5.88
Appalachian II	23.0	28.6	32.9	5.93
Southeast	32.2	35.0	35.3	5.70
FL	23.0	33.5	39.0	6.64
MI			38.3	6.54
MN			37.4	6.59
WI			38.0	5.16
Lake	40.5	35.5	37.9	5.95
Cornbelt I	28.4	30.9	36.1	6.79
Cornbelt II	36.7	35.0	33.4	6.10
Delta	30.0	28.4	36.8	5.59
Northern Plains	47.3	38.0	41.0	6.17
OK			39.0	6.45
TX			36.1	5.49
Southern Plains	31.0	29.9	36.7	5.71
Mountain I	44.0	40.8	49.2	5.76
Mountain II	40.7	28.7	44.3	5.96
AZ			49.0	5.88
NM			45.0	5.65
Mountain III	37.5	33.0	47.4	5.79
OR			39.0	7.07
WA			43.0	7.54
Pacific	28.7	33.1	41.4	7.36
CA	30.5	36.0	40.9	6.56
HI	30.2	29.9	38.5	9.53
US <u>5/</u>	34.5	33.8	39.3	6.37

1/ Excludes Agricultural Service Workers.

2/ Region map on page 17.

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4/ Other States in the same region.

5/ Excludes AK.

Hired Workers: Wage Rates by Region, State, and United States,
April 11-17, 1993 1/

State and Region <u>2/</u>	Type of Worker <u>5/</u>						Method of Pay <u>6/</u>	
	Field	Livestock	Field & Livestock	Super- visory	Other	Hourly	Piece Rate	Other
Dollars per Hour								
NY	6.12		5.70			6.28		
Other <u>4/</u>	7.25		6.50			7.64		
Northeast I	6.78	5.28	6.11	11.47	9.63	7.06	<u>3/</u>	6.83
PA	6.52		5.98			6.15		
Other <u>4/</u>	6.56		6.39			6.59		
Northeast II	6.54	5.32	6.14	9.77	<u>3/</u>	6.34	7.97	6.66
NC	5.11		5.19			5.15		
VA	5.63		5.68			5.90		
Appalachian I	5.26	5.59	5.36	8.03	<u>3/</u>	5.37	<u>3/</u>	6.95
Appalachian II	5.99	4.97	5.66	<u>3/</u>	<u>3/</u>	5.84	<u>3/</u>	<u>3/</u>
Southeast	5.54	5.07	5.41	<u>3/</u>	<u>3/</u>	5.75	<u>3/</u>	5.60
FL	6.25	5.50	6.19	11.25	<u>3/</u>	6.10	6.80	9.45
MI	6.29		6.44			6.48		
MN	7.26		6.51			6.79		
WI	6.34		4.73			5.26		
Lake	6.74	5.12	5.62	8.57	6.28	6.07	<u>3/</u>	5.74
Cornbelt I	6.82	5.97	6.49	9.02	7.15	6.88	<u>3/</u>	6.76
Cornbelt II	5.81	5.82	5.81	<u>3/</u>	<u>3/</u>	5.86	<u>3/</u>	6.55
Delta	5.12	5.32	5.18	8.35	5.57	5.14	<u>3/</u>	6.64
Northern Plains	5.93	6.08	6.01	8.01	5.70	5.87	<u>3/</u>	6.51
OK	5.70		5.64			5.60		
TX	4.83		4.92			5.26		
Southern Plains	4.95	5.21	5.05	7.59	6.49	5.34	<u>3/</u>	6.08
Mountain I	5.67	5.43	5.53	6.36	7.00	5.67	<u>3/</u>	<u>3/</u>
Mountain II	5.44	5.84	5.67	<u>3/</u>	<u>3/</u>	5.47	<u>3/</u>	6.26
AZ	5.50		5.54			5.25		
NM	4.61		5.28			5.23		
Mountain III	5.20	<u>3/</u>	5.43	7.45	<u>3/</u>	5.24	<u>3/</u>	<u>3/</u>
OR	6.68		6.61			6.60		
WA	6.75		7.02			7.21		
Pacific	6.72	7.93	6.87	11.11	9.54	6.99	<u>3/</u>	9.88
CA	5.93	6.31	5.98	11.20	9.45	6.07	5.65	9.42
HI	8.46	<u>3/</u>	8.33	15.18	<u>3/</u>	8.57	<u>3/</u>	<u>3/</u>
US <u>7/</u>	6.04	5.65	5.92	9.36	7.68	6.10	6.40	6.97

1/ Excludes Agricultural Service Workers.

2/ Region map on page 17.

3/ Insufficient Data.

4/ Other States in the same region.

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				Number of Workers	Expected to be Employed 150 Days or More <u>3/</u>	149 Days or Less <u>3/</u>
				1,000		
NY	73			30		
Other <u>4/</u>	51			24		
Northeast I	124	52	18	54	36	18
PA	99			28		
Other <u>4/</u>	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 <u>5/</u>	3,172	1,604	536	1,032	668	364

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	Self- Employed <u>3/</u>	Unpaid <u>3/</u>	Hired	
	----- Hours per Week -----			Dollars per Hour
NY			36.7	5.80
Other <u>4/</u>			39.0	6.79
Northeast I	45.0	41.2	37.7	6.24
PA			42.0	6.00
Other <u>4/</u>			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 <u>5/</u>	39.0	36.7	39.9	5.82

1/ Excludes Agricultural Service Workers.

2/ Region map on page 17.

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- visory	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 17.

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.

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

Region ^{2/}	July 12-18, 1992				July 11-17, 1993			
	Field:	Other:	L'stk &:	All :	Field:	Other:	L'stk &:	All
	Crops:	Crops:	Poultry:	Farms:	Crops:	Crops:	Poultry:	Farms
	Dollars per Hour							
Northeast	6.01	6.09	5.30	5.81	6.32	6.38	5.14	5.82
Appalachian	4.58	5.67	5.11	4.90	5.01	5.61	5.07	5.16
Southeast	4.94	5.57	5.36	5.38	5.14	6.17	6.19	5.90
Lake	5.73	5.71	4.45	4.97	7.36	5.80	4.48	5.30
Cornbelt	5.72	6.27	5.20	5.52	5.64	5.81	5.82	5.76
Delta	4.64	4.26	5.05	4.73	5.04	4.82	5.77	5.30
Northern Plains	5.56	5.42	5.39	5.46	5.75	3/	5.61	5.66
Southern Plains	4.49	6.12	5.03	5.03	4.74	4.86	4.95	4.88
Mountain	5.41	5.02	5.14	5.22	5.60	5.38	5.45	5.49
Pacific	5.69	5.90	6.84	6.03	5.72	6.07	6.99	6.08
48 States	5.09	5.82	5.31	5.45	5.45	6.02	5.38	5.67

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

Region ^{2/}	July 12-18, 1992				July 11-17, 1993			
	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	6.62	5.65	5.46	6.49	6.22	7.16	5.54	5.42
Appal.	4.61	4.88	5.03	5.49	5.12	4.95	4.88	5.21
S. East	4.90	5.48	5.23	6.15	5.81	5.02	7.41	5.67
Lake	4.20	4.63	4.20	6.34	5.40	5.12	4.91	5.13
Cornbelt	4.53	5.44	5.44	6.26	5.78	4.66	5.57	5.70
Delta	4.47	4.72	4.52	5.31	4.89	5.69	4.67	6.22
N. Plains:	5.33	5.15	5.64	6.41	5.92	5.34	5.18	5.17
S. Plains:	4.68	5.61	5.15	5.22	5.24	4.81	4.91	4.78
Mountain	4.88	5.27	4.93	5.82	5.48	5.50	5.49	5.12
Pacific	5.86	5.71	5.91	6.56	6.42	5.64	6.40	6.18
48 States:	5.00	5.25	5.21	6.23	5.79	5.53	5.47	5.55

^{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.

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

Type of Farm	July 12-18, 1992	April 11-17, 1993	July 11-17, 1993
Percent of Field and Livestock Workers <u>2/</u> <u>3/</u>			
Field Crops	29	21	26
Other Crops	38	48	42
Livestock, Dairy, & Poultry	33	31	32
	100.0	100.0	100.0

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

Gross Value of Sales	July 12-18, 1992	April 11-17, 1993	July 11-17, 1993
Percent of Hired Workers <u>3/</u>			
Less than \$40,000	12	10	10
\$40,000-\$99,999	14	10	11
\$100,000-\$249,999	22	18	20
\$250,000 and over	52	62	59
	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/

	: July 12-18, : April 11-17, : July 11-17,
	: 1992 : 1993 : 1993
	Percent of Hired Workers
Employed on Farms Hiring:	
1 Worker	13 14 11
2 Workers	11 9 11
3-6 Workers	25 22 23
7-10 Workers	10 9 10
At least 11 Workers	41 46 45
	100.0 100.0 100.0
Payment Method:	
Hourly	70 70 72
Piece-Rate	6 4 7
Other Methods	24 26 21
	100.0 100.0 100.0
Benefits: <u>3/</u>	
Housing and Meals	7 5 6
Housing (no Meals)	16 12 14
Meals (no Housing)	3 3 3
Bonus	4 5 4
Other Benefits	11 19 13
Wages Only	59 56 60
	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 358,000 workers for the Nation's farms and ranches during the week of July 11-17, 1993. Service workers in California numbered 85,000 compared with 81,000 during the July 1992 survey week. Florida's number of service workers was 3,000, compared to 3,800 last year.

The average wages received by agricultural service workers in California and Florida were \$6.48 and \$6.95 per hour, respectively. Comparable wages in July 1992 were \$5.58 in California and \$6.17 in Florida.

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

Item	July 12-18, 1992			April 11-17, 1993			July 11-17, 1993		
	CA	FL	US	CA	FL	US	CA	FL	US
	1,000								
Number of Workers Working on Farms	81.0	3.8	385.0	65.0	19.0	224.0	85.0	3.0	358.0
	Hours ^{2/}								
Hours Worked	41.1	41.0	-	39.4	37.0	-	41.5	40.0	-
	Dollars per Hour ^{2/}								
Wage Rates ^{3/}	5.58	6.17	-	6.70	6.37	-	6.48	6.95	-
Method of Pay									
Hourly	5.15	6.00	-	6.05	5.40	-	6.02	6.05	-
Piece-Rate	7.12	^{4/}	-	7.76	6.56	-	8.00	^{4/}	-
Type of Work									
Field	5.42	5.99	-	6.18	6.10	-	6.00	6.09	-

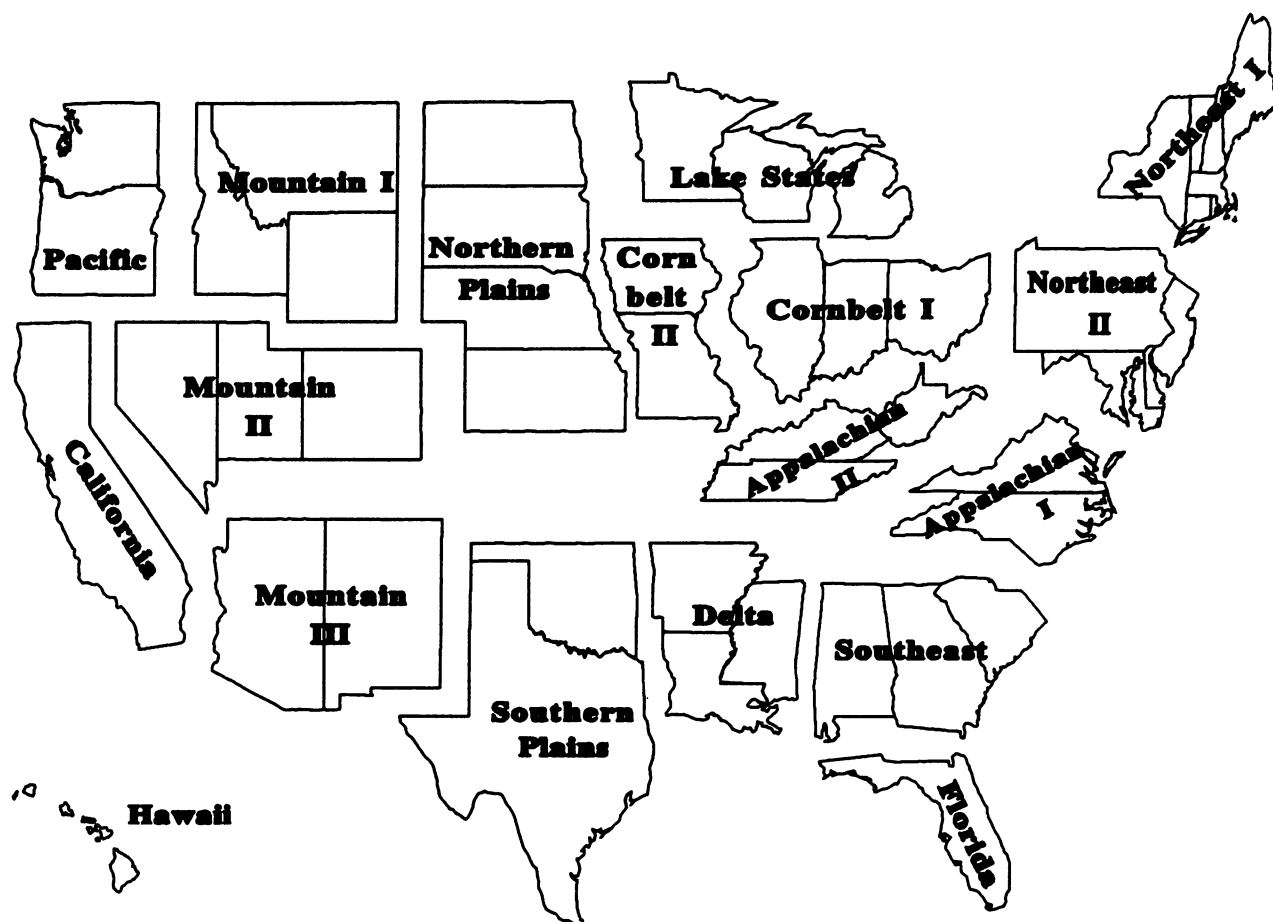
^{1/} Data are for Agricultural Services performed on the farm by custom service units such as crew leaders or custom crews. These statistics are not included in the State-Regional tables.

^{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.

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 July 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 July 11-17, 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 2.1 percent and 3.5 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 1.2 percent. The relative sampling error was 1.4 percent for hourly paid workers and 1.1 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 April, 1993 and July, 1992 were subject to revision with this report. No revisions were made but previous data are reprinted in this report for your information.

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The next "**Farm Labor**" report will be released at 3 p.m. ET on November 16, 1993.

The November 16th report will have information for the survey week of October 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.