

# Farm Labor



National  
Agricultural  
Statistics  
Service

United States  
Department of  
Agriculture

Washington, D.C.

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Released August 16, 1994, by the Agricultural Statistics Board. Estimates refer to the week of July 10-16, 1994.

## July Worker Numbers Down Slightly

There were 3.50 million people working on the Nation's farms and ranches during the week of July 10-16, 1994. This compares with 3.58 million people during the July 1993 survey week. Self-employed farm operators accounted for 1.56 million of the total, along with 557,000 unpaid workers, and 1.05 million workers hired directly by farm operators. Agricultural service employees working on farms and ranches made up the remaining 341,000 workers.

Farm operators paid their hired workers an average wage of \$6.21 per hour during the July 1994 survey week. This rate was up 14 cents from a year earlier. Workers paid on an hourly basis earned \$5.91 per hour compared with \$5.84 last July. Field workers received an average of \$5.85 per hour, up 8 cents from the July 1993 survey week. Livestock workers earned \$5.67 per hour compared with \$5.42 a year earlier.

Self-employed farm operators worked an average of 37.4 hours, compared to 37.6 hours during the comparable week in 1993. Unpaid workers averaged 32.0 hours, compared to 33.2 hours last year. Hired employees worked 39.9 hours during the survey week, the same as last year.

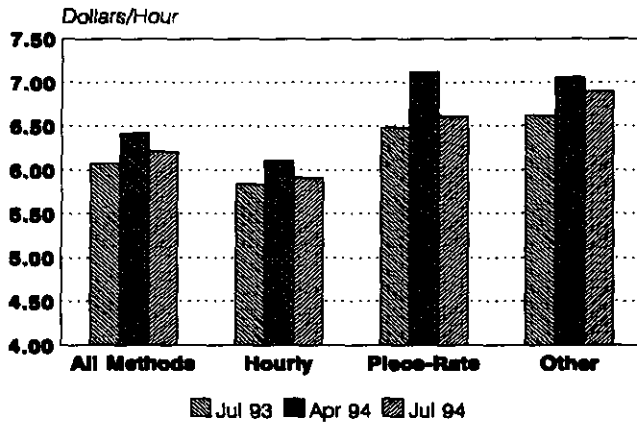
**Beginning in July 1994, all benefits received by hired workers are summarized by each benefit category.** Benefits were provided for 433,000 hired workers. Farm operators provided housing for 203,000, meals for 84,000, bonuses for 93,000, health insurance for 191,000, transportation for 72,000, and other benefits for 183,000 hired workers.

During the survey week of July 10-16, 1994, several weather disturbances occurred from the Central Plains to the East Coast. Heavy to excessive rains fell from eastern Oklahoma to the Mississippi Delta. The Corn Belt had mild temperatures and mid-week rain showers. Early in the week, cool, dry weather covered the Nation's Northeastern quadrant and heat swiftly arrived in the High Plains. Continued rain early in the week gave way to hot weather in the Deep South. Hot dry weather continued over most the Southwest and the Pacific Coastal region. Winter wheat harvest made good progress in Ohio and Indiana, while the Great Plains harvest was slowed by scattered rain showers. Planting of double-crop soybeans was nearing completion. Farmers were spraying for corn rootworm beetles and spider mites in Illinois and for corn borers in the middle Mississippi Valley. Sorghum harvest was in full swing in south Texas. Rice harvest was underway in southcentral Texas and the Upper Coast. In California, farm activities included fruit and vegetable harvest, spraying and irrigating cotton fields, and hay harvest.

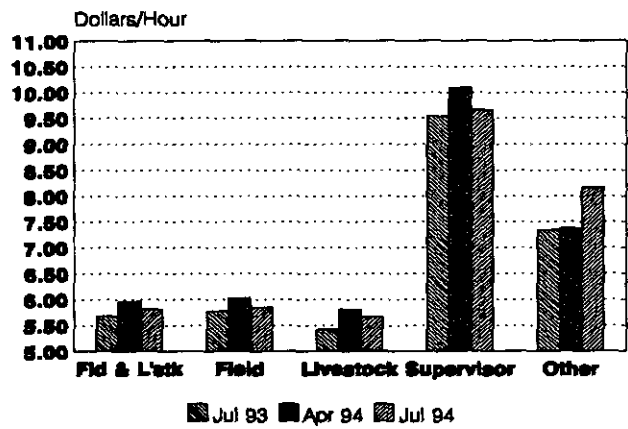
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For information call Dean Groskurth at (202) 690-3228. Office hours are 8:00 a.m. to 4:30 p.m. ET.

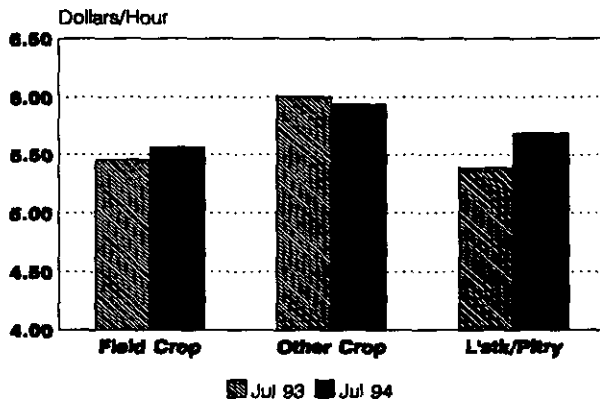
### U.S. Wage Rates by Method of Pay



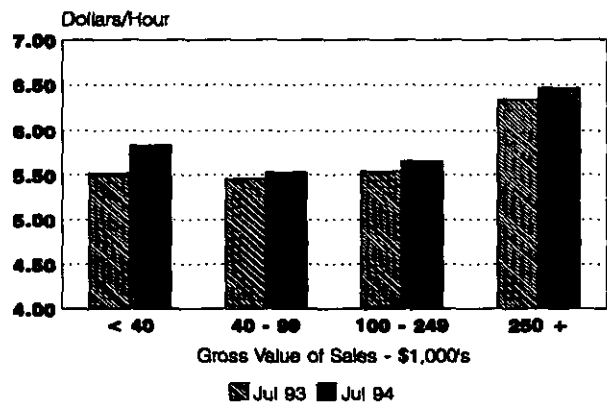
### U.S. Wage Rates by Type of Worker



### 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 10-16, 1994, with Comparisons 1/

Farm Employment	July 11-17, 1993	April 10-16, 1994	July 10-16, 1994
		1,000	
Farm Workers	3,225	2,679	3,162
Self-Employed	1,604	1,420	1,558
Unpaid	559	456	557
Hired	1,062	803	1,047
Expected to be Employed			
150 Days or More	688	613	666
149 Days or Less	374	190	381
Agricultural Services Workers Working on Farms	358	240	341
Total Farm & Service Workers	3,583	2,919	3,503
Index - 1977=100			
All Farm Workers	64	70	62
Hired Workers	56	72	55
		Dollars per Hour	
Wage Rates for			
All Hired Workers <u>2/</u> <u>3/</u>	6.07	6.42	6.21
Method of Pay			
Hourly	5.84	6.11	5.91
Piece-Rate	6.48	7.12	6.61
Other	6.62	7.06	6.90
Type of Worker			
Field & Livestock Combined	5.68	5.96	5.81
Field	5.77	6.02	5.85
Livestock	5.42	5.80	5.67
Supervisory	9.55	10.10	9.67
Other	7.35	7.38	8.17
Index - 1977=100			
All Hired Worker Wage Rate	221	224	226

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 10-16, 1994 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	72			26		
Other <u>4/</u>	59			31		
Northeast I	131	52	22	57	40	17
PA	90			21		
Other <u>4/</u>	48			24		
Northeast II	138	60	33	45	30	15
NC	109			53		
VA	51			17		
Appalachian I	160	70	20	70	31	39
Appalachian II	184	128	28	28	16	12
Southeast	133	70	15	48	30	18
FL	70	23	5	42	37	5
MI	103			42		
MN	127			30		
WI	144			36		
Lake	374	187	79	108	54	54
Cornbelt I	309	190	57	62	35	27
Cornbelt II	235	150	53	32	21	11
Delta	145	87	20	38	29	9
Northern Plains	250	148	64	38	25	13
OK	87			11		
TX	256			66		
Southern Plains	343	202	64	77	50	27
Mountain I	93	42	22	29	21	8
Mountain II	66	29	14	23	16	7
AZ	30			14		
NM	30			7		
Mountain III	60	14	25	21	18	3
OR	82			33		
WA	98			64		
Pacific	180	59	24	97	42	55
CA	278	44	11	223	163	60
HI	13	3	1	9	8	1
AK	1.1	<u>6/</u>	<u>6/</u>	.5	<u>6/</u>	<u>6/</u>
US <u>5/</u>	3,162	1,558	557	1,047	666	381

- 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 10-16, 1994 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			41.9	6.03
Other <u>4/</u>			39.0	7.35
Northeast I	48.0	32.4	40.3	6.72
PA			40.0	5.57
Other <u>4/</u>			46.4	6.53
Northeast II	43.8	34.8	43.4	6.12
NC			34.1	5.51
VA			38.0	5.84
Appalachian I	32.2	30.9	35.0	5.60
Appalachian II	27.1	28.2	30.5	5.85
Southeast	28.6	26.9	30.7	5.83
FL	26.0	26.0	39.0	7.25
MI			32.0	6.08
MN			37.8	6.20
WI			37.6	5.40
Lake	44.3	35.1	35.5	5.87
Cornbelt I	31.4	30.5	34.7	6.23
Cornbelt II	39.4	32.3	37.3	6.03
Delta	31.6	32.1	38.3	5.57
Northern Plains	48.7	34.6	41.9	5.47
OK			35.0	5.60
TX			43.1	5.59
Southern Plains	34.6	28.0	41.9	5.59
Mountain I	47.3	35.1	40.4	5.61
Mountain II	44.1	37.7	44.3	6.05
AZ			46.0	6.12
NM			47.7	6.21
Mountain III	38.1	30.4	46.6	6.15
OR			38.4	6.13
WA			42.0	6.50
Pacific	37.8	30.2	40.8	6.38
CA	37.0	31.1	45.5	6.63
HI	31.8	29.7	38.7	9.95
AK	50.0	33.0	30.0	7.00
US <u>5/</u>	37.4	32.0	39.9	6.21

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 10-16, 1994 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	5.70		5.64			5.98		
Other <u>4/</u>	7.05		6.52			7.10		
Northeast I	6.35	5.71	6.08	10.05	8.35	6.53	<u>3/</u>	7.04
PA	5.94		5.26			6.15		
Other <u>4/</u>	6.17		6.18			6.22		
Northeast II	6.10	5.17	5.80	8.77	7.76	6.20	<u>3/</u>	5.91
NC	5.20		5.32			5.32		
VA	5.60		5.64			5.65		
Appalachian I	5.29	5.93	5.41	8.90	<u>3/</u>	5.40	<u>3/</u>	6.67
Appalachian II	5.33	5.71	5.52	<u>3/</u>	<u>3/</u>	5.46	<u>3/</u>	<u>3/</u>
Southeast	5.27	5.88	5.35	9.56	6.78	5.34	<u>3/</u>	6.82
FL	6.15	7.00	6.33	13.00	8.80	6.29	6.35	9.80
MI	5.54		5.53			5.90		
MN	6.35		5.90			6.14		
WI	5.85		5.02			5.43		
Lake	5.86	4.78	5.45	9.91	7.05	5.76	5.96	6.06
Cornbelt I	5.82	5.97	5.86	7.48	<u>3/</u>	5.94	<u>3/</u>	6.87
Cornbelt II	5.72	5.84	5.78	<u>3/</u>	6.55	5.82	<u>3/</u>	6.58
Delta	5.20	5.19	5.19	8.87	<u>3/</u>	5.19	<u>3/</u>	6.43
Northern Plains	5.49	5.29	5.44	6.36	4.94	5.62	<u>3/</u>	5.34
OK	5.40		5.43			5.50		
TX	5.14		5.28			5.38		
Southern Plains	5.17	5.59	5.29	8.91	6.83	5.40	<u>3/</u>	5.86
Mountain I	5.44	5.77	5.52	<u>3/</u>	<u>3/</u>	5.93	<u>3/</u>	5.35
Mountain II	5.63	5.40	5.53	9.81	<u>3/</u>	5.80	<u>3/</u>	6.32
AZ	5.50		5.72			5.54		
NM	5.25		5.93			6.10		
Mountain III	5.43	6.68	5.80	<u>3/</u>	<u>3/</u>	5.74	5.93	<u>3/</u>
OR	5.75		5.74			5.99		
WA	6.27		6.32			5.96		
Pacific	6.12	6.35	6.14	9.73	8.81	5.97	7.07	8.14
CA	6.11	6.80	6.15	11.38	10.92	6.10	6.83	10.38
HI	8.88	<u>3/</u>	8.85	15.86	<u>3/</u>	8.98	<u>3/</u>	14.04
AK	6.65	<u>3/</u>	<u>3/</u>	<u>3/</u>	<u>3/</u>	7.10	<u>3/</u>	<u>3/</u>
US <u>5/</u>	5.85	5.67	5.81	9.67	8.17	5.91	6.61	6.90

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 10-16, 1994 <sup>1/</sup>

State and Region <sup>2/</sup>	All Farm Workers	Self-Employed <sup>3/</sup>	Unpaid <sup>3/</sup>	Hired		
				Number of Workers	Expected to be Employed 150 Days or More <sup>3/</sup>	149 Days or Less <sup>3/</sup>
				1,000		
NY	62			22		
Other <sup>4/</sup>	46			23		
Northeast I	108	49	14	45	36	9
PA	93			23		
Other <sup>4/</sup>	35			14		
Northeast II	128	61	30	37	32	5
NC	67			24		
VA	39			13		
Appalachian I	106	55	14	37	23	14
Appalachian II	174	118	30	26	17	9
Southeast	129	65	17	47	31	16
FL	96	22	3	71	53	18
MI	63			22		
MN	130			16		
WI	107			24		
Lake	300	171	67	62	45	17
Cornbelt I	240	157	37	46	39	7
Cornbelt II	208	139	44	25	20	5
Delta	134	76	19	39	30	9
Northern Plains	230	150	52	28	23	5
OK	82			12		
TX	206			47		
Southern Plains	288	174	55	59	48	11
Mountain I	78	39	18	21	16	5
Mountain II	48	25	7	16	12	4
AZ	25			11		
NM	27			7		
Mountain III	52	11	23	18	16	2
OR	65			21		
WA	68			32		
Pacific	133	65	15	53	33	20
CA	215	40	10	165	132	33
HI	12	3	1	8	7	1
US <sup>5/</sup>	2,679	1,420	456	803	613	190

- 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 10-16, 1994 <sup>1/</sup>

State and Region <sup>2/</sup>	Hours Worked			Wage Rates for All Hired Workers
	Self- Employed <sup>3/</sup>	Unpaid <sup>3/</sup>	Hired	
	Hours per Week			Dollars per Hour
NY			40.3	6.93
Other <sup>4/</sup> Northeast I	43.2	32.6	40.1	7.45 7.20
PA			44.0	5.87
Other <sup>4/</sup> Northeast II	38.2	34.6	41.8	38.2 6.32
NC			37.5	5.44
VA			36.1	5.89
Appalachian I	32.1	30.5	37.0	5.59
Appalachian II	24.6	26.1	30.7	5.78
Southeast	28.7	23.7	37.6	6.17
FL	27.0	27.0	36.0	6.90
MI			41.4	6.61
MN			35.4	6.90
WI			37.0	5.56
Lake	45.0	32.5	38.1	6.29
Cornbelt I	34.1	31.1	38.4	6.65
Cornbelt II	39.8	27.7	35.9	5.87
Delta	31.2	25.7	41.4	5.23
Northern Plains	49.2	36.7	46.2	6.20
OK			41.0	6.05
TX			45.1	5.80
Southern Plains	33.6	25.6	44.3	5.85
Mountain I	57.5	35.1	55.3	5.63
Mountain II	41.1	29.1	42.3	6.35
AZ			50.0	6.50
NM			51.5	6.12
Mountain III	34.7	28.1	50.6	6.35
OR			37.6	6.45
WA			41.0	6.83
Pacific	30.0	31.5	39.7	6.69
CA	36.7	24.8	44.0	6.86
HI	30.2	31.4	37.1	9.90
US <sup>5/</sup>	37.3	30.2	40.8	6.42

- <sup>1/</sup> Excludes Agricultural Service Workers.  
<sup>2/</sup> Region map on page 17.  
<sup>3/</sup> Published at regional and U.S. level only.  
<sup>4/</sup> Other States in the same region.  
<sup>5/</sup> Excludes AK.



Hired Workers: Wage Rates by Region, State, and United States,  
April 10-16, 1994 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	6.45		6.17			7.02		
Other <u>4/</u>	7.20		6.28			7.45		
Northeast I	6.88	5.68	6.23	10.09	7.45	7.24	7.51	7.02
PA	6.14		5.36			6.40		
Other <u>4/</u>	6.46		6.54			6.32		
Northeast II	6.28	5.22	5.77	9.07	7.94	6.37	<u>3/</u>	6.26
NC	5.15		5.23			5.23		
VA	5.49		5.61			5.81		
Appalachian I	5.24	5.63	5.35	7.93	<u>3/</u>	5.39	<u>3/</u>	5.90
Appalachian II	5.84	5.41	5.62	<u>3/</u>	<u>3/</u>	5.73	<u>3/</u>	<u>3/</u>
Southeast	5.79	5.79	5.79	10.11	8.02	6.03	5.38	6.78
FL	6.40	6.00	6.36	11.55	10.55	6.24	7.50	10.50
MI	6.09		6.21			6.32		
MN	6.70		6.29			6.65		
WI	6.40		5.28			5.73		
Lake	6.27	5.46	5.84	9.42	7.98	6.22	<u>3/</u>	6.40
Cornbelt I	6.75	6.40	6.62	11.14	5.55	6.37	<u>3/</u>	7.58
Cornbelt II	6.02	5.38	5.68	<u>3/</u>	<u>3/</u>	5.73	<u>3/</u>	6.05
Delta	4.96	5.17	5.00	<u>3/</u>	6.75	5.27	<u>3/</u>	5.11
Northern Plains:	5.83	6.13	5.96	7.83	6.30	6.25	<u>3/</u>	6.17
OK	5.63		5.91			5.90		
TX	5.28		5.48			5.39		
Southern Plains:	5.34	5.84	5.56	8.51	6.52	5.52	<u>3/</u>	6.38
Mountain I	5.70	5.29	5.51	7.09	<u>3/</u>	5.95	<u>3/</u>	5.38
Mountain II	5.72	5.57	5.65	<u>3/</u>	7.24	5.57	<u>3/</u>	7.07
AZ	5.65		5.81			5.92		
NM	5.33		5.79			5.80		
Mountain III	5.60	6.09	5.81	9.49	<u>3/</u>	5.89	<u>3/</u>	6.93
OR	5.97		5.96			5.97		
WA	6.26		6.41			6.39		
Pacific	6.15	6.86	6.24	10.29	7.01	6.24	5.80	9.20
CA	6.13	7.06	6.22	12.25	9.51	6.09	7.64	10.62
HI	8.71	<u>3/</u>	8.68	15.60	<u>3/</u>	8.91	<u>3/</u>	13.72
US <u>5/</u>	6.02	5.80	5.96	10.10	7.38	6.11	7.12	7.06

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, July 11-17, 1993 <sup>1/</sup>

State and Region <sup>2/</sup>	All Farm Workers	Self- Employed <sup>3/</sup>	Unpaid <sup>3/</sup>	Hired		
				Number of Workers	Expected to be Employed 150 Days or More <sup>3/</sup>	149 Days or Less <sup>3/</sup>
				1,000		
NY	77			25		
Other <sup>4/</sup>	58			28		
Northeast I	135	56	26	53	38	15
PA	103			24		
Other <sup>4/</sup>	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	77	25	4	48	43	5
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 <sup>5/</sup>	3,225	1,604	559	1,062	688	374

- <sup>1/</sup> Excludes Agricultural Service Workers.  
<sup>2/</sup> Region map on page 17.  
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<sup>5/</sup> Excludes AK.  
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Workers on Farms: Hours Worked and Wage Rates for All Hired Workers  
by Region, State, and United States, July 11-17, 1993 <sup>1/</sup>

State and Region <sup>2/</sup>	Hours Worked <sup>3/</sup>			Wage Rates for All Hired Workers
	Self- Employed	Unpaid/	Hired	
	----- Hours per Week -----			Dollars per Hour
NY			45.3	5.80
Other <sup>4/</sup>			39.8	7.07
Northeast I	47.6	38.9	42.4	6.43
PA			43.0	6.04
Other <sup>4/</sup>			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	6.99
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 <sup>5/</sup>	37.6	33.2	39.9	6.07

- 1/ Excludes Agricultural Service Workers.  
<sup>2/</sup> Region map on page 17.  
<sup>3/</sup> Published at regional and U.S. level only.  
<sup>4/</sup> Other States in the same region.  
<sup>5/</sup> 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	6.35	6.00	6.31	12.00	9.50	6.30	7.55	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>	5.77	5.42	5.68	9.55	7.35	5.84	6.48	6.62

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 <u>2/</u>	July 11-17, 1993 <u>4/</u>				July 10-16, 1994			
	Field: Crops	Other: Crops	L'stk &: Poultry	All Farms	Field: Crops	Other: Crops	L'stk &: Poultry	All Farms
Dollars per Hour								
Northeast	6.32	6.38	5.14	5.82	5.88	6.50	5.42	5.95
Appalachian	5.01	5.61	5.07	5.16	5.14	5.82	5.68	5.43
Southeast	5.09	6.11	6.13	5.84	5.48	5.79	6.31	5.85
Lake	7.36	5.80	4.48	5.30	6.75	5.36	4.95	5.45
Cornbelt	5.64	5.81	5.82	5.76	6.06	5.69	5.72	5.83
Delta	5.04	4.82	5.77	5.30	4.98	4.68	5.48	5.19
Northern Plains	5.75	<u>3/</u>	5.61	5.66	5.71	6.44	5.06	5.44
Southern Plains	4.74	4.86	4.95	4.88	4.78	<u>3/</u>	6.21	5.29
Mountain	5.60	5.38	5.45	5.49	5.44	6.01	5.59	5.61
Pacific	5.72	6.07	6.99	6.08	6.01	6.13	6.52	6.15
48 States	5.45	6.01	5.38	5.66	5.57	5.94	5.69	5.79

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

Region <u>2/</u>	July 11-17, 1993 <u>4/</u>				July 10-16, 1994					
	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	7.16	5.54	5.42	6.74	6.43	7.08	5.20	5.46	6.88	6.45
Appal.	4.95	4.88	5.21	5.58	5.31	5.09	5.56	5.36	6.05	5.66
S. East	4.92	7.26	5.55	6.50	6.32	6.30	6.49	5.84	6.83	6.58
Lake	5.12	4.91	5.13	6.18	5.71	7.29	4.12	5.77	6.12	5.87
Cornbelt	4.66	5.57	5.70	6.37	6.00	4.70	5.63	5.76	6.83	6.16
Delta	5.69	4.67	6.22	5.46	5.68	5.07	5.51	5.20	5.80	5.57
N. Plains:	<u>3/</u>	5.18	5.17	6.14	5.79	5.14	4.78	5.60	5.66	5.47
S. Plains:	4.81	4.91	4.78	5.61	5.19	5.31	5.12	4.80	6.07	5.59
Mountain	5.50	5.49	5.12	6.11	5.80	5.06	5.54	5.39	6.31	5.92
Pacific	5.64	6.40	6.18	6.60	6.51	6.00	6.53	6.56	6.59	6.56
48 States:	5.52	5.46	5.54	6.33	6.04	5.83	5.53	5.65	6.46	6.18

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.

4/ Revised

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

Type of Farm	July 11-17, 1993	April 10-16, 1994	July 10-16, 1994
	Percent of Field and Livestock Workers <u>2/</u> <u>3/</u>		
Field Crops	26	22	25
Other Crops	42	46	46
Livestock, Dairy, & Poultry	32	32	29
	100.0	100.0	100.0

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

Gross Value of Sales	July 11-17, 1993	April 10-16, 1994	July 10-16, 1994
	Percent of Hired Workers <u>3/</u>		
Less than \$40,000	10	9	13
\$40,000-\$99,999	11	11	11
\$100,000-\$249,999	20	18	19
\$250,000 and over	59	62	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/

	July 11-17, 1993	April 10-16, 1994	July 8-14, 1994
Percent of Hired Workers			
Employed on Farms Hiring			
1 Worker	11	13	12
2 Workers	11	11	10
3-6 Workers	23	21	21
7-10 Workers	10	8	10
At least 11 Workers	45	47	47
	100.0	100.0	100.0
Payment Method			
Hourly	72	70	70
Piece-Rate	7	5	8
Other Methods	21	25	22
	100.0	100.0	100.0
Number of Hired Workers (1,000)			
Benefits <u>3/</u>			
Housing			203
Meals			84
Bonus			93
Health Insurance			191
Transportation			72
Other Benefits			183
Wages Only			614

1/ Excludes Agricultural Service Workers.

2/ Excludes AK.

3/ Definition changes as of July 1994. All benefits received by hired workers are accounted for in each category. Other benefits include life insurance, utilities, pension or retirement benefits, etc.

## Agricultural Services

Crew leaders and custom crews provided 341,000 workers for the Nation's farms and ranches during the week of July 10-16, 1994. Service workers in California numbered 87,000 compared with 85,000 during the July 1993 survey week. Florida's number of service workers was 4,200, compared to 3,000 last year.

The average wages received by agricultural service workers in California and Florida were \$5.99 and \$6.83 per hour, respectively. Comparable wages in July 1993 were \$6.48 in California and \$6.88 in Florida.

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

State:	Number of Workers Working on Farms			Hours Worked			Wage Rates <sup>3/</sup>		
	Jul 1993	Apr 1994	Jul 1994	Jul 1993	Apr 1994	Jul 1994	Jul 1993	Apr 1994	Jul 1994
	----- 1,000 -----			----- Hours <sup>2/</sup> -----			----- Dollars per Hour <sup>2/</sup> -----		
CA	85.0	75.0	87.0	41.5	40.2	38.6	6.48	6.32	5.99
FL	3.0	25.2	4.2	40.0	33.0	48.0	6.88	8.22	6.83
US	358.0	240.0	341.0						
	Method of Pay						Type of Work		
	Hourly		Piece-Rate			Field			
	Jul 1993	Apr 1994	Jul 1994	Jul 1993	Apr 1994	Jul 1994	Jul 1993	Apr 1994	Jul 1994
	----- Dollars per Hours <sup>2/</sup> -----								
CA	6.02	5.79	5.41	8.00	7.50	7.56	6.00	5.99	5.75
FL	6.05	7.61	6.00	7.00	8.50	<sup>4/</sup>	6.00	8.00	5.94

<sup>1/</sup> 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.

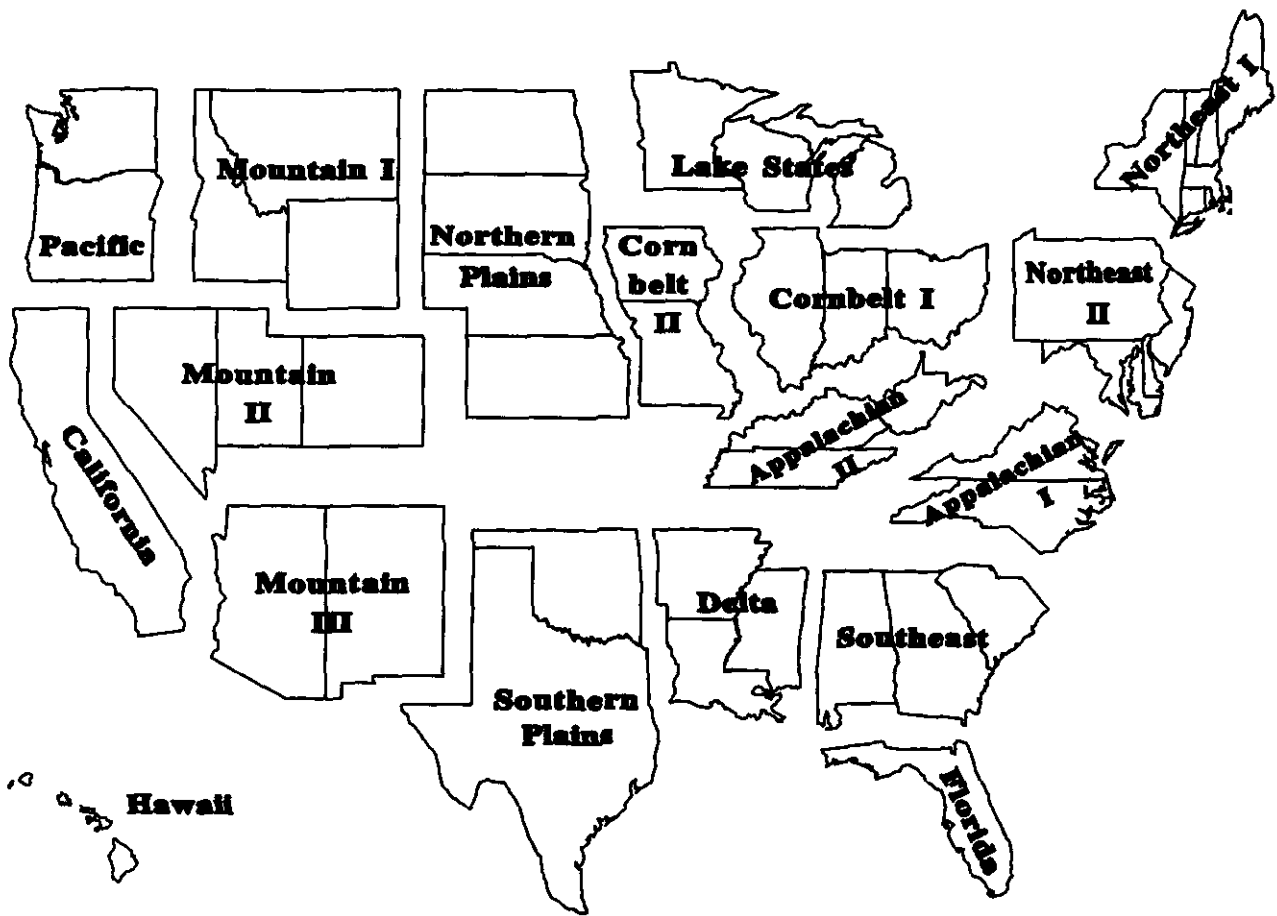
<sup>2/</sup> United States data not available.

<sup>3/</sup> Benefits, such as housing and meals, are provided some workers but the values are not included in the wage rates.

<sup>4/</sup> 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 10-16, 1994.

**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 3.7 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 1.3 percent. The relative sampling error was 1.2 percent for hourly paid workers and 1.5 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. The relative sampling errors for hired worker benefits ranged between 5 and 10 percent.

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 1994 and July 1993 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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