

# Farm Labor



**National  
Agricultural  
Statistics  
Service**

**United States  
Department of  
Agriculture**

**Washington, D.C.**

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Released May 18, 1993, by the Agricultural Statistics Board. Estimates refer to the week of April 11-17, 1993.

## **Number of Workers Slightly Higher**

There were 2.88 million people working on the Nation's farms and ranches during the week of April 11-17, 1993. This compares with 2.87 million people during the April 1992 survey week. Self-employed farm operators accounted for 1.47 million of the total, along with 364,000 unpaid workers and 828,000 workers hired directly by farm operators. Agricultural service employees working on farms and ranches made up the remaining 224,000 workers.

Farm operators paid their hired workers an average wage of \$6.37 per hour during the April 1993 survey week. This rate was up 32 cents from a year earlier. Workers paid on an hourly basis earned \$6.10 per hour compared with \$5.75 in April 1992. Field workers received an average of \$6.04 per hour, up 36 cents from the April 1992 survey week. Livestock workers earned \$5.65 per hour compared with \$5.52 a year earlier.

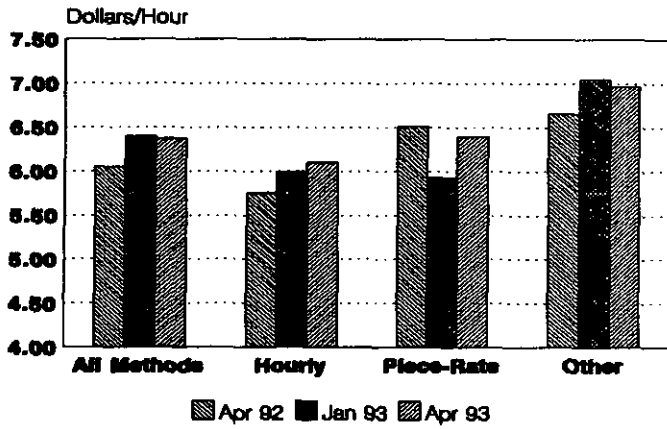
Benefits, such as housing and meals, were provided to 44 percent of the hired workers during the survey week compared to 41 percent in April 1992.

During the survey week of April 11-17, 1993, heavy rains kept fields wet from the Southern Plains to the Corn Belt and renewed flooding from the Middle Atlantic States to New England, which increased prospects for a delayed planting season. A late-season snow blanketed areas from the central Rockies to the western Great Lakes. The Pacific Northwest also received moisture. Temperatures were below normal in the western two-thirds of the Nation and slowed crop development. Nationally, wet conditions delayed planting of small grains which was well behind normal in most areas. However, relatively good planting progress for small grains was made in Idaho and Montana. Corn planting was delayed in the Midwest by cool, wet conditions. Warm, dry conditions allowed cotton planting to progress well in California, Arizona, and New Mexico. Potato planting remained active in California and Idaho but was delayed by wet conditions in Texas and Oregon. Favorable weather permitted active harvest of fruits and vegetables in California, Arizona, and Texas. Mud caused stress to livestock, especially in South Dakota and Indiana. Supplemental feeding continued in the northern Plains.

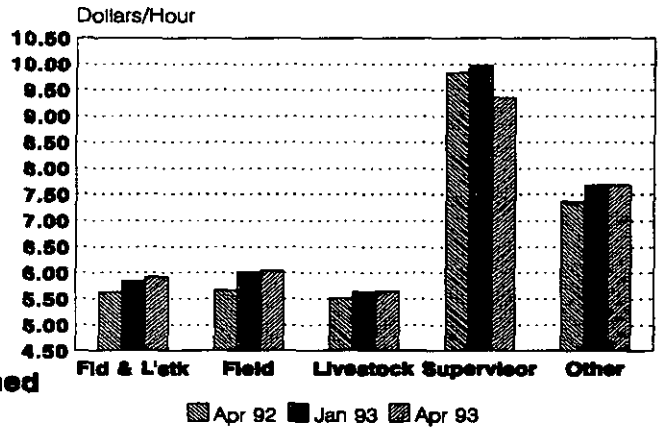
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For information call Dan Ledbury at (202) 720-1790. Office hours are 8:00 a.m. to 4:30 p.m. ET.

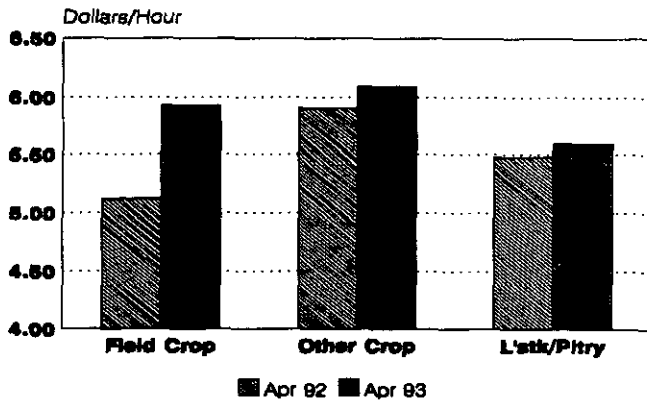
### U.S. Wage Rates by Method of Pay



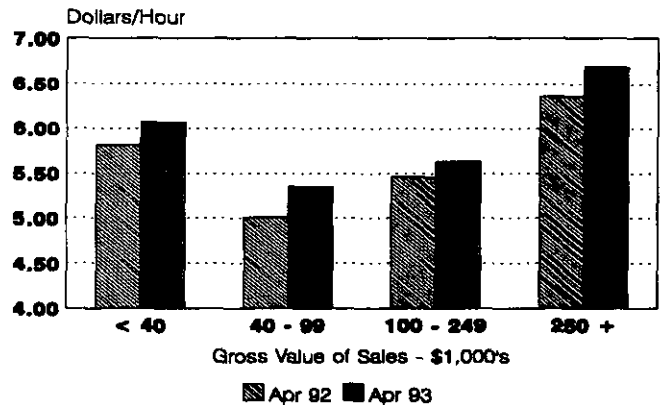
### U.S. Wage Rates by Type of Worker



### 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,  
April 11-17, 1993, with Comparisons 1/

	April 12-18, 1992	January 10-16, 1993	April 11-17, 1993
Farm Employment		1,000	
Farm Workers	2,669	2,348	2,660
Self-Employed	1,438	1,424	1,468
Unpaid	394	313	364
Hired	837	611	828
Expected to be Employed			
150 Days or More	634	491	658
149 Days or Less	203	120	170
Agricultural Services Workers Working on Farms	205	157	224
Total Farm & Service Workers	2,874	2,505	2,884
Index - 1977=100			
All Farm Workers	70	72	70
Hired Workers	75	73	74
		Dollars per Hour	
Wage Rates for			
All Hired Workers <u>2/ 3/</u>	6.05	6.40	6.37
Method of Pay			
Hourly	5.75	5.99	6.10
Piece-Rate	6.52	5.93	6.40
Other	6.66	7.05	6.97
Type of Worker			
Field & Livestock Combined	5.63	5.85	5.92
Field	5.68	6.02	6.04
Livestock	5.52	5.64	5.65
Supervisory	9.83	9.97	9.36
Other	7.36	7.68	7.68
Index - 1977=100			
All Hired Worker Wage Rate	212	217	223

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,  
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 <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			39.9	6.28
Other <sup>4/</sup>			38.9	7.60
Northeast I	48.6	38.4	39.4	6.96
PA			43.0	6.25
Other <sup>4/</sup>			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 <sup>5/</sup>	34.5	33.8	39.3	6.37

- <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 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-	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.

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.  
January 10-16, 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	51			19		
Other <sup>4/</sup>	36			16		
Northeast I	87	41	11	35	31	4
PA	84			20		
Other <sup>4/</sup>	29			8		
Northeast II	113	59	26	28	23	5
NC	51			13		
VA	44			12		
Appalachian I	95	65	5	25	19	6
Appalachian II	176	134	13	29	22	7
Southeast	125	80	12	33	23	10
FL	85	25	6	54	45	9
MI	59			14		
MN	94			10		
WI	120			21		
Lake	273	165	63	45	37	8
Cornbelt I	226	159	28	39	34	5
Cornbelt II	199	151	28	20	17	3
Delta	107	70	13	24	19	5
Northern Plains	191	138	30	23	19	4
OK	80			9		
TX	181			45		
Southern Plains	261	182	25	54	44	10
Mountain I	57	33	7	17	16	1
Mountain II	42	21	8	13	12	1
AZ	21			7		
NM	24			6		
Mountain III	45	9	23	13	12	1
OR	39			12		
WA	49			18		
Pacific	88	48	10	30	26	4
CA	165	41	4	120	84	36
HI	13	3	1	9	8	1
US <sup>5/</sup>	2,348	1,424	313	611	491	120

- <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.

Workers on Farms: Hours Worked and Wage Rates for All Hired Workers,  
by Region, State, and United States, January 10-16, 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			39.5	6.51
Other <u>4/</u> Northeast I	41.0	33.3	38.9	8.25
			39.2	7.29
PA			39.0	5.55
Other <u>4/</u> Northeast II	40.8	33.9	43.5	6.59
			40.3	5.92
NC			35.2	6.15
VA			38.0	6.00
Appalachian I	23.4	33.2	36.5	6.07
Appalachian II	19.6	31.4	35.3	5.57
Southeast	23.5	28.7	32.9	5.63
FL	21.0	31.0	38.0	6.25
MI			38.2	6.90
MN			42.6	6.16
WI			40.0	5.60
Lake	38.2	34.9	40.0	6.09
Cornbelt I	27.5	33.6	39.0	6.71
Cornbelt II	33.7	31.2	34.1	6.40
Delta	22.7	28.5	32.6	5.87
Northern Plains	35.4	33.3	39.4	6.76
OK			33.0	5.70
TX			40.3	5.56
Southern Plains	24.5	34.0	39.1	5.58
Mountain I	35.4	28.6	42.8	6.46
Mountain II	35.6	31.4	43.8	6.12
AZ			42.0	6.38
NM			43.4	6.37
Mountain III	27.3	31.5	42.6	6.37
OR			35.6	7.25
WA			36.0	7.33
Pacific	20.3	29.3	35.8	7.29
CA	27.3	30.0	36.5	6.71
HI	28.9	33.1	38.2	9.44
US <u>5/</u>	29.3	32.6	37.7	6.40

- 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,  
January 10-16, 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	6.55		5.87			6.37		
Other <u>4/</u>	8.00		6.80			7.80		
Northeast I	7.24	5.59	6.25	11.82	8.56	6.97	<u>3/</u>	7.64
PA	6.24		5.28			5.80		
Other <u>4/</u>	5.91		5.89			6.37		
Northeast II	6.13	5.17	5.48	9.41	8.30	5.98	<u>3/</u>	5.89
NC	5.70		5.75			5.76		
VA	5.60		5.66			5.80		
Appalachian I	5.66	5.75	5.71	9.02	<u>3/</u>	5.78	<u>3/</u>	6.77
Appalachian II	5.64	5.01	5.26	8.20	<u>3/</u>	5.22	<u>3/</u>	6.61
Southeast	5.59	4.77	5.23	<u>3/</u>	6.52	5.23	5.55	6.27
FL	5.59	6.30	5.65	10.90	8.95	5.63	5.76	9.30
MI	6.59		6.76			6.85		
MN	7.15		5.57			7.56		
WI	6.80		5.38			5.50		
Lake	6.76	5.32	5.83	7.67	7.08	6.40	<u>3/</u>	5.83
Cornbelt I	6.87	5.75	6.23	9.83	8.05	6.55	<u>3/</u>	6.92
Cornbelt II	6.15	5.96	6.03	<u>3/</u>	<u>3/</u>	5.89	<u>3/</u>	6.94
Delta	5.66	5.21	5.46	8.86	6.01	5.62	<u>3/</u>	6.36
Northern Plains	6.90	6.24	6.43	<u>3/</u>	7.48	6.19	<u>3/</u>	7.11
OK	5.60		5.46			5.95		
TX	5.05		4.98			4.99		
Southern Plains	5.14	4.99	5.06	8.99	5.73	5.16	6.05	5.98
Mountain I	6.86	5.95	6.16	7.79	5.98	6.09	<u>3/</u>	6.55
Mountain II	6.40	5.43	5.72	7.14	7.54	6.20	<u>3/</u>	6.13
AZ	5.10		5.37			5.30		
NM	5.53		5.98			6.15		
Mountain III	5.32	6.48	5.73	10.15	7.95	5.77	<u>3/</u>	7.60
OR	6.59		6.48			6.85		
WA	6.22		6.52			6.40		
Pacific	6.37	6.72	6.50	10.59	9.21	6.61	7.00	8.97
CA	5.89	6.50	6.04	11.74	8.86	6.03	5.90	8.95
HI	8.32	<u>3/</u>	8.26	<u>3/</u>	<u>3/</u>	8.50	<u>3/</u>	12.97
US <u>7/</u>	6.02	5.64	5.85	9.97	7.68	5.99	5.93	7.05

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

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				1,000		
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Other <u>4/</u>	42			21		
Northeast I	104	47	12	45	37	8
PA	84			25		
Other <u>4/</u>	37			14		
Northeast II	121	59	23	39	32	7
NC	86			36		
VA	55			11		
Appalachian I	141	78	16	47	28	19
Appalachian II	187	129	25	33	19	14
Southeast	136	69	20	47	34	13
FL	100	32	3	65	55	10
MI	77			20		
MN	107			18		
WI	112			23		
Lake	296	168	67	61	46	15
Cornbelt I	242	148	43	51	38	13
Cornbelt II	202	141	33	28	21	7
Delta	112	63	12	37	29	8
Northern Plains	215	143	41	31	25	6
OK	75			8		
TX	199			53		
Southern Plains	274	181	32	61	46	15
Mountain I	79	42	14	23	18	5
Mountain II	56	28	8	20	15	5
AZ	29			13		
NM	27			7		
Mountain III	56	13	23	20	17	3
OR	61			26		
WA	61			28		
Pacific	122	52	16	54	35	19
CA	213	42	5	166	131	35
HI	13	3	1	9	8	1
US <u>5/</u>	2,669	1,438	394	837	634	203

- 1/ Excludes Agricultural Service Workers.  
2/ Region map on page 17.  
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Workers on Farms: Hours Worked and Wage Rates for All Hired Workers,  
by Region, State, and United States, April 12-18, 1992 <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			37.7	5.85
Other <sup>4/</sup> Northeast I	45.9	36.6	40.5	6.99
PA			39.0	6.40
Other <sup>4/</sup> Northeast II	45.7	38.4	40.0	6.10
NC			38.5	8.33
VA			38.7	6.90
Appalachian I	31.5	34.1	38.5	5.29
Appalachian II	24.7	28.2	38.5	5.52
Southeast	33.2	36.8	38.8	5.34
FL	23.0	39.5	35.0	5.11
MI			35.3	5.22
MN			38.8	5.22
WI			35.0	6.39
Lake	42.6	35.5	38.3	5.92
Cornbelt I	34.8	31.4	37.4	6.42
Cornbelt II	39.3	34.1	35.6	5.74
Delta	35.5	34.1	49.3	5.03
Northern Plains	47.5	38.8	41.9	5.81
OK			35.7	6.00
TX			37.7	5.27
Southern Plains	30.5	34.0	37.4	5.37
Mountain I	44.9	37.6	48.1	5.27
Mountain II	38.7	42.3	36.9	5.72
AZ			48.0	5.26
NM			43.6	6.06
Mountain III	39.1	29.0	46.5	5.51
OR			35.4	6.36
WA			39.0	6.45
Pacific	33.4	30.7	37.3	6.41
CA	31.7	31.1	42.3	6.70
HI	28.3	31.0	36.6	9.17
US <sup>5/</sup>	36.5	34.5	39.6	6.05

- 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,  
April 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	Supervisory	Other	Hourly	Piece Rate	Other
	Dollars per Hour							
NY	5.77		5.50			6.14		
Other <u>4/</u>	6.65		6.19			6.70		
Northeast I	6.22	5.26	5.82	10.28	8.06	6.41	<u>3/</u>	6.39
PA	5.70		5.62			6.15		
Other <u>4/</u>	7.94		7.12			7.40		
Northeast II	6.48	5.54	6.11	11.24	7.98	6.62	<u>3/</u>	7.31
NC	4.72		4.93			5.12		
VA	5.00		5.08			5.29		
Appalachian I	4.77	5.55	4.97	9.85	6.54	5.16	<u>3/</u>	5.78
Appalachian II	4.90	5.21	4.98	<u>3/</u>	<u>3/</u>	4.98	<u>3/</u>	5.49
Southeast	4.53	5.42	4.76	10.07	8.48	4.94	<u>3/</u>	5.88
FL	5.91	6.30	5.97	10.70	8.15	5.80	6.55	8.40
MI	5.27		5.73			5.62		
MN	7.17		6.55			6.86		
WI	5.97		4.76			4.97		
Lake	6.19	5.16	5.52	10.14	7.32	5.71	<u>3/</u>	6.23
Cornbelt I	6.48	5.75	6.32	7.73	5.68	6.32	<u>3/</u>	6.63
Cornbelt II	5.37	5.58	5.49	7.89	5.44	5.37	<u>3/</u>	6.40
Delta	4.82	5.07	4.85	7.45	<u>3/</u>	4.87	<u>3/</u>	5.44
Northern Plains	5.62	5.57	5.60	8.85	5.72	5.72	<u>3/</u>	5.89
OK	5.35		5.84			5.83		
TX	4.79		4.81			4.86		
Southern Plains	4.84	5.13	4.95	9.72	7.12	5.01	<u>3/</u>	5.76
Mountain I	5.28	4.93	5.13	6.05	<u>3/</u>	5.39	<u>3/</u>	5.21
Mountain II	5.62	5.11	5.40	<u>3/</u>	<u>3/</u>	5.52	<u>3/</u>	6.02
AZ	4.90		5.05			4.90		
NM	5.18		5.36			5.66		
Mountain III	4.97	5.49	5.14	<u>3/</u>	<u>3/</u>	5.12	<u>3/</u>	6.25
OR	6.05		6.03			6.09		
WA	5.68		6.02			6.02		
Pacific	5.86	7.12	6.02	8.68	7.35	6.06	6.07	7.40
CA	6.12	6.40	6.16	12.30	8.84	6.10	6.70	10.12
HI	8.20	<u>3/</u>	8.16	<u>3/</u>	<u>3/</u>	8.24	<u>3/</u>	13.06
US <u>7/</u>	5.68	5.52	5.63	9.83	7.36	5.75	6.52	6.66

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/	April 12-18, 1992				April 11-17, 1993			
	Field: Crops:	Other: Crops:	L'stk &: Poultry:	All: Farms:	Field: Crops:	Other: Crops:	L'stk &: Poultry:	All: Farms:
Dollars per Hour								
Northeast	6.04	6.45	5.37	5.95	6.35	6.80	5.10	6.12
Appalachian	4.49	5.45	5.39	4.97	5.01	6.10	5.42	5.49
Southeast	4.35	5.69	5.78	5.43	5.19	6.32	5.27	5.90
Lake	6.62	5.94	5.07	5.52	6.80	6.68	5.15	5.62
Cornbelt	5.92	6.57	5.63	6.03	6.69	6.45	5.84	6.26
Delta	4.83	4.94	4.95	4.85	5.28	5.74	4.97	5.18
Northern Plains	5.94	6.06	5.36	5.60	6.31	4.86	6.26	6.01
Southern Plains	4.70	4.91	5.14	4.95	5.09	5.27	4.94	5.05
Mountain	5.02	5.63	5.14	5.21	5.54	4.79	5.78	5.53
Pacific	5.99	6.09	6.46	6.13	7.11	5.93	6.69	6.19
48 States	5.12	5.91	5.48	5.61	5.93	6.09	5.59	5.89

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

Region 2/	April 12-18, 1992				April 11-17, 1993					
	Gross Value Sales-\$1000's				All	Gross Value Sales-\$1000's				All
	<40:	40-99:	100-249:	250+:	Farms:	<40:	40-99:	100-249:	250+:	Farms:
Dollars per Hour										
N. East	6.29	4.80	5.55	7.31	6.62	8.83	5.23	5.65	7.40	6.79
Appal.	5.40	4.45	5.20	5.91	5.25	5.34	5.28	5.96	6.21	5.90
S. East	5.11	4.91	5.45	6.13	5.87	5.76	5.83	5.59	6.56	6.29
Lake	4.88	4.42	5.07	6.58	5.92	5.11	3.95	4.70	7.08	5.95
Cornbelt	4.81	5.73	5.75	6.65	6.19	6.28	5.59	6.33	6.91	6.56
Delta	4.88	5.19	4.83	5.13	5.03	5.02	4.81	5.50	5.97	5.59
N. Plains	5.00	5.40	5.39	6.19	5.81	6.55	5.88	6.07	6.22	6.17
S. Plains	6.28	4.95	5.31	5.33	5.37	5.79	4.78	5.03	6.23	5.71
Mountain	5.91	4.39	5.17	5.69	5.47	5.70	5.24	5.34	6.09	5.82
Pacific	6.49	6.25	6.20	6.75	6.64	6.25	6.17	6.11	6.87	6.75
48 States	5.81	5.01	5.46	6.35	6.02	6.07	5.35	5.63	6.70	6.34

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	April 12-18, 1992	January 10-16, 1993	April 11-17, 1993
	Percent of Field and Livestock Workers <u>2/</u> <u>3/</u>		
Field Crops	22	17	21
Other Crops	47	43	48
Livestock, Dairy, & Poultry	31	40	31
	100.0	100.0	100.0

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

Gross Value of Sales	April 12-18, 1992	January 10-16, 1993	April 11-17, 1993
	Percent of Hired Workers <u>3/</u>		
Less than \$40,000	10	11	10
\$40,000-\$99,999	12	9	10
\$100,000-\$249,999	19	18	18
\$250,000 and over	59	62	62
	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/

	: April 12-18, : 1992	: January 10-16., : 1993	: April 11-17., : 1993
	: Percent of Hired Workers		
Employed on Farms Hiring:			
1 Worker	13	17	14
2 Workers	12	11	9
3-6 Workers	19	23	22
7-10 Workers	9	9	9
At least 11 Workers	47	40	46
	100.0	100.0	100.0
Payment Method:			
Hourly	70	60	70
Piece-Rate	6	8	4
Other Methods	24	32	26
	100.0	100.0	100.0
Benefits: <u>3/</u>			
Housing and Meals	5	6	5
Housing (no Meals)	12	15	12
Meals (no Housing)	3	3	3
Bonus	5	5	5
Other Benefits	16	16	19
Wages Only	59	55	56
	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 224,000 workers for the Nation's farms and ranches during the week of April 11-17, 1993. Service workers in California numbered 65,000 compared with 41,000 during the April 1992 survey week. Florida's number of service workers was 19,000, compared to 11,000 last year.

The average wages received by agricultural service workers in California and Florida were \$6.70 and \$6.37 per hour, respectively. Comparable wages in April 1992 were \$5.82 in California and \$7.85 in Florida.

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

Item	Apr 12-18, 1992			Jan 10-16, 1993			Apr 11-17, 1993		
	CA	FL	US	CA	FL	US	CA	FL	US
	1,000								
Number of Workers Working on Farms	41.0	11.0	205.0	50.0	22.0	157.0	65.0	19.0	224.0
	Hours <u>2/</u>								
Hours Worked	36.5	27.0	-	26.8	36.0	-	39.4	37.0	-
	Dollars per Hour <u>2/</u>								
Wage Rates <u>3/</u>	5.82	7.85	-	6.27	6.23	-	6.70	6.37	-
Method of Pay									
Hourly	5.41	6.50	-	5.50	5.50	-	6.05	5.40	-
Piece-Rate	6.75	7.90	-	6.56	6.30	-	7.76	6.56	-
Type of Work									
Field	5.59	7.39	-	5.84	5.95	-	6.18	6.10	-

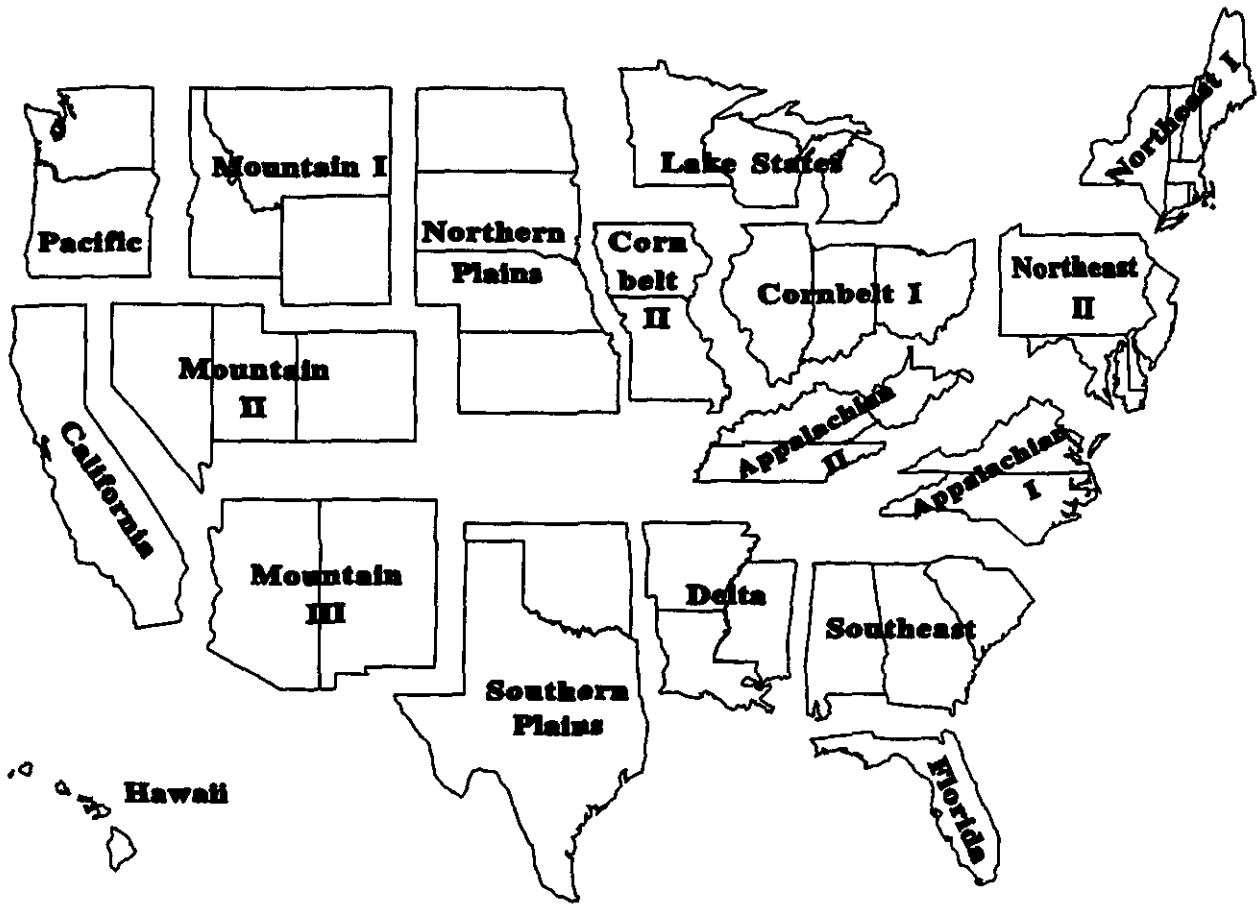
1/ Data are for Agricultural Services performed on the farm by custom service units such as crew leaders or custom crews. These statistics are not included in the State-Regional tables.

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.
Florida	FL.
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.
California	CA.
Hawaii	HI.

## Farm Labor Definitions

The following definitions are provided to assist in interpreting statistics published in this report. To insure consistency in data collection, the questionnaires and instruction manual used by the interviewers provide more in-depth explanations of these terms.

**Farm or Ranch:** Places that sell, or would normally sell, at least \$1,000 worth of agricultural products during the year.

**Agricultural Work:** Work done on a farm or ranch in connection with the production of agricultural products, including nursery and greenhouse products and animal specialties such as fur farms or apiaries. Also included is work done off the farm to handle farm related business, such as trips to buy feed or deliver products to local market.

**Self-employed Worker:** A farm or ranch operator or partner who did at least one hour of unpaid agricultural work on a farm or ranch during the survey week.

**Unpaid Worker:** Anyone, other than a self-employed worker, who did at least 15 hours of unpaid agricultural work on a farm or ranch during the survey week.

**Hired Worker:** Anyone, other than an agricultural service worker, who was paid for at least one hour of agricultural work on a farm or ranch. Worker type is determined by what the employee was primarily hired to do, not necessarily what work was done during the survey week. Type of workers include:

**Field Workers:** Employees engaged in planting, tending and harvesting crops including operation of farm machinery on crop farms.

**Livestock Workers:** Employees tending livestock, milking cows or caring for poultry, including operation of farm machinery on livestock or poultry operations.

**Supervisors:** Hired managers, range foremen, crew leaders, etc.

**Other Workers:** Employees engaged in agricultural work not included in the other three categories. Bookkeepers and pilots are examples.

**Methods of Pay:** Wage rates are calculated based on total wages and hours worked during the survey week. Definitions for the three categories are:

## Farm Labor Definitions - continued

**Hourly Wages:** Pay based on hours actually worked.

**Piece-rate Wages:** Pay determined by multiplying the units produced (boxes, crates, bales, etc.) by the rate per unit.

**Other Pay Methods:** All other methods of calculating pay, such as straight salary, regardless of hours worked.

**Perquisites:** Benefits, such as a cash bonuses, housing, or meals, provided to an employee in addition to pay are included in perquisites. Wage rates published in this release do not include the value of these benefits.

**Term of Employment:** The length of time during the year the farm operator expects to employ those workers who were on the payroll during the survey week.

**Agricultural Service:** Agricultural work performed on a farm or ranch if the provider of the service is paid on a contract basis for materials, equipment, or labor.

**Type of Farm (or Ranch):** An operation is classified in the farm type which accounts for the largest portion of the total value of sales for its agriculture production. The three types of farms are:

**Field Crops:** A farm primarily engaged in the production of: wheat, rice, corn, soybeans, barley, dry beans, rye, sorghum, cotton, popcorn, tobacco, potatoes, sugar crops, hay, peanuts, hops, mint, or other such crops.

**Other Crops:** A farm primarily engaged in the production of: vegetables, melons, berry crops, grapes, tree nuts, citrus fruits, deciduous tree fruits, avocados, dates, figs, olives, nursery, or greenhouse crops.

**Livestock or Poultry:** An operation primarily engaged in production of: cattle, hogs, sheep, goats, milk, chickens, eggs, turkeys, or animal specialties such as furs, fish, honey, etc.

**Gross Value of Sales:** Gross value includes all income during a year from the sale of crops, livestock, dairy, poultry, or other related agricultural products, including the landlord's share. When commodities are placed under CCC loan, they are considered as sold.

## Reliability of Farm Labor Estimates

**Survey Procedures:** These data were collected by the National Agricultural Statistics Service during the last two weeks of April 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 April 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 1.9 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 1.1 percent. The relative sampling error was 1.5 percent for hourly paid workers and 1.2 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 January, 1993 and April, 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 3:00 p.m. ET on August 17, 1993.

The August 17th report will have information for the survey week of July 11-17, 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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