

Farm Labor



National
Agricultural
Statistics
Service

United States
Department of
Agriculture

Washington, D.C.

Released November 13, 1991, by the Agricultural Statistics Board. Estimates refer to the week of October 6-12, 1991.

October Wage Rates Increase

There were 3.29 million people working on the Nation's farms and ranches during the week of October 6-12, 1991. Self-employed farm operators accounted for 1.49 million of the total, along with 515 thousand unpaid workers, and 996 thousand workers hired directly by farm operators. Agricultural service employees working on farms and ranches made up the remaining 287 thousand workers.

Farm operators paid their hired workers an average wage of \$5.88 per hour during the October 1991 survey week. This rate was up 24 cents from a year earlier. Workers paid on an hourly basis earned \$5.70 per hour compared with \$5.44 last October. Field workers received an average of \$5.67 per hour, up 26 cents from the October 1990 survey week. Livestock workers earned \$5.32 compared with \$5.00 per hour a year earlier.

Self-employed farm operators worked an average of 41.9 hours, 1.9 hours more than the comparable week in 1990. Unpaid workers averaged 38.0 hours, one-half hour above last year. Hired employees worked 42.2 hours compared to 41.3 hours in October of last year.

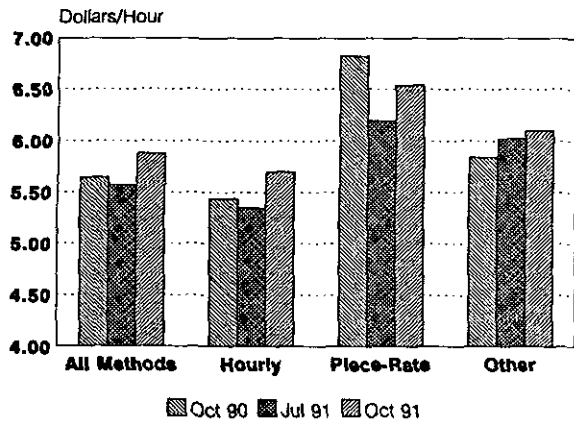
Benefits, such as housing and meals, were provided to 37 percent of the hired workers during the survey week. This compares with 42 percent last year.

Dry weather dominated in all regions except the Northeast and Florida during the farm labor survey week of October 6-12, 1991. Winter wheat seeding progressed well. Corn, soybean, and grain sorghum harvests were ahead of normal. Cotton harvest progressed rapidly in Alabama and the Delta and gained momentum in the West. Open weather across most of the Nation allowed alfalfa and other hay baling to progress unhindered. Movement of livestock to winter ranges continued. Lemons and grapefruit were being harvested in western Arizona. California's harvests of apples, late variety table and wine grapes, Asian pears, figs, olives, pomegranates, and persimmons continued. Almond, walnut, and pistachio picking was progressing. California's vegetable harvests continued. Early orange harvest was increasing in Florida and grapefruit movement was active. Fall vegetable harvest gained momentum. Apple harvest was in full swing from the Pacific Northwest to the Northeast. Pecan harvest was getting under way in the Gulf Coast States. Fall lettuce harvest was active in New Mexico. Red chile harvest continued in New Mexico and the Trans-Pecos region of Texas.

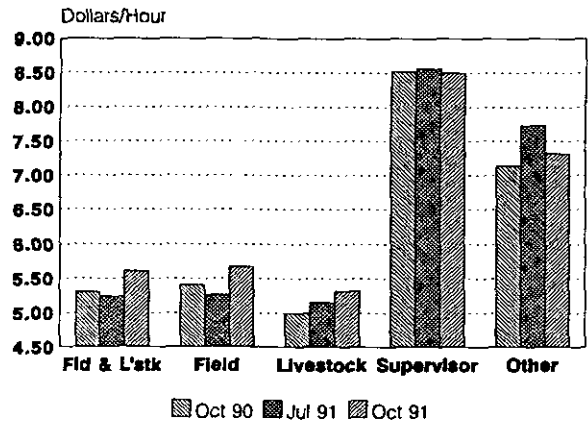
For additional information, call Tom Kurtz at (202) 690-3228. Office hours are 8:00 a.m. to 4:30 p.m. ET.

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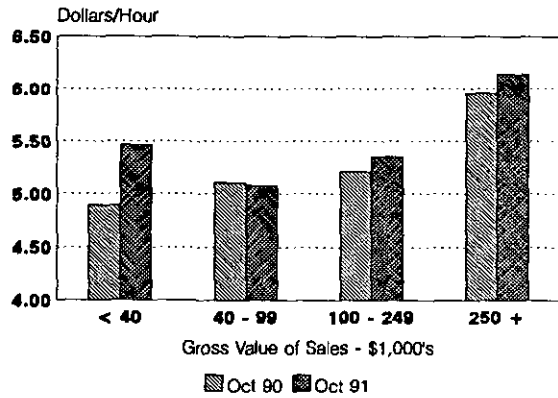
U.S. Wage Rates by Method of Pay



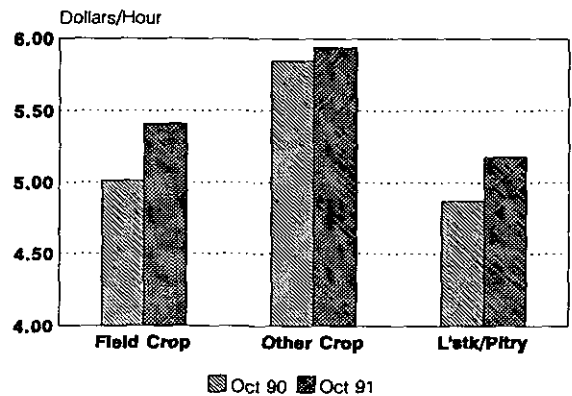
U.S. Wage Rates by Type of Worker



Wage Rates of All Hired Workers by Economic Class of Farm



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



Farm Employment, Wage Rates, and Indexes, United States,
October 6-12, 1991, with comparisons 3/

Farm Employment	: October 7-13 : : 1990 :	July 7-13, 1991	: October 6-12, 1991
	:	Thousands	
Farm Workers	3,022	<u>4/3,318</u>	3,002
Self-Employed	1,559	<u>4/1,594</u>	1,491
Unpaid	528	611	515
Hired	935	<u>4/1,113</u>	996
Expected to be Employed			
150 Days or More	648	697	652
149 Days or Less	287	<u>4/416</u>	344
Agricultural Services Workers Working on Farms	296	<u>4/373</u>	287
Total Farm & Service Workers	3,318	<u>4/3,691</u>	3,289
Index - 1977=100			
All Farm Workers	72	<u>4/65</u>	72
Hired Workers	68	<u>4/58</u>	73
	:	Dollars per Hour	
Wage Rates for			
All Hired Workers <u>1/</u> <u>2/</u>	5.64	5.57	5.88
Method of Pay			
Hourly	5.44	5.35	5.70
Piece-Rate	6.83	6.20	6.54
Other	5.84	6.03	6.11
Type of Worker			
Field & Livestock Combined	5.30	5.24	5.61
Field	5.41	5.26	5.67
Livestock	5.00	5.16	5.32
Supervisory	8.52	8.56	8.50
Other	7.14	7.74	7.32
Index - 1977=100			
All Hired Workers	186	203	194

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

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

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

1/ Excludes Agricultural Service Workers. 2/ Region map on page 19.
3/ Number of Hired Workers only is published. 4/ Other States in the same
Region. 5/ Excludes AK.

Hours Worked and Wage Rates for All Hired Workers,
by State, Region, and United States, October 6-12, 1991 1/

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

1/ Excludes Agricultural Service Workers. 2/ Region map on page 19.
3/ All Hired Wage Rate only is published. 4/ Other States in the same
Region. 5/ Excludes AK.

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

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

1/ Excludes Agricultural Service Workers.

2/ Region map on page 19.

3/ Insufficient Data.

4/ Excludes AK.

Workers on Farms by State, Region, and United States,
July 7-13, 1991 1/

State and Region <u>2/</u>	All Farm Workers <u>3/</u>	Self-Employed <u>3/</u>	Unpaid <u>3/</u>	Hired		
				Number of Workers	Expected to be Employed	
					150 Days or More <u>3/</u>	149 Days or Less <u>3/</u>
Thousands						
NY				33		
Other <u>4/</u>				28		
Northeast I	131	49	21	61	44	17
PA				35		
Other <u>4/</u>				16		
Northeast II	144	65	28	51	42	9
NC				71		
VA				22		
Appalachian I	210	91	26	93	36	57
Appalachian II	209	144	28	37	21	16
Southeast	164	76	26	62	32	30
Florida	74	22	7	45	42	3
MI				48		
MN				23		
WI				35		
Lake	407	183	118	106	54	52
Cornbelt I	293	178	61	54	33	21
Cornbelt II	259	158	57	44	26	18
Delta	152	78	15	59	37	22
Northern Plains	267	152	69	46	29	17
OK				14		
TX				7/53		
Southern Plains	7/301	7/180	54	7/67	42	7/25
Mountain I	98	45	21	32	21	11
Mountain II	71	33	17	21	14	7
AZ				14		
NM				9		
Mountain III	59	12	24	23	19	4
OR				43		
WA				49		
Pacific	184	69	23	92	36	56
California	280	55	15	210	160	50
Hawaii	15	4	1	10	9	1
Alaska <u>5/</u>	.8	6/	6/	.4	6/	6/
US	7/3,318	7/1,594	611	7/1,113	697	7/416

1/ Excludes Agricultural Service Workers. 2/ Region map on page 19.
3/ Published at regional level only. 4/ Other States in the same Region.
5/ Excluded from U.S. 6/ Insufficient Data. 7/ Revised.

Hours Worked and Wage Rates for All Hired Workers,
by State, Region, and United States, July 7-13, 1991 ^{1/}

State and Region ^{2/}	Hours Worked ^{3/}			Wage Rates for All Hired Workers
	Self- Employed	Unpaid	Hired	
	Hours per Week			Dollars per Hour
NY				5.81
Other ^{4/}				6.32
Northeast I	49.6	39.2	40.7	6.05
PA				5.62
Other ^{4/}				5.93
Northeast II	44.0	41.7	40.5	5.71
NC				4.96
VA				4.95
Appalachian I	31.9	31.2	31.7	4.96
Appalachian II	27.5	30.6	33.6	5.12
Southeast	35.0	42.3	36.1	4.97
Florida	28.5	35.0	38.5	6.35
MI				5.45
MN				5.46
WI				4.34
Lake	53.4	41.0	37.8	5.08
Cornbelt I	39.3	38.3	33.9	5.70
Cornbelt II	47.5	38.4	32.7	5.47
Delta	33.5	37.0	44.6	4.65
Northern Plains	57.1	45.2	43.7	5.26
OK				5.42
TX				4.88
Southern Plains	36.8	35.2	<u>6/</u> 44.3	4.99
Mountain I	54.9	47.1	45.3	5.04
Mountain II	48.2	37.7	42.3	5.49
AZ				5.84
NM				4.65
Mountain III	43.4	41.0	45.8	5.43
OR				5.75
WA				5.80
Pacific	34.8	37.5	39.5	5.78
California	35.8	37.4	46.0	6.23
Hawaii	30.5	32.7	38.4	8.70
Alaska ^{5/}	39.0	41.0	30.0	6.65
US	<u>6/</u> 41.8	39.3	<u>6/</u> 40.1	5.57

^{1/} Excludes Agricultural Service Workers. ^{2/} Region map on page 19.
^{3/} Published at regional level only. ^{4/} Other States in the same Region.
^{5/} Excluded from U.S. ^{6/} Revised.

Wage Rates for Hired Workers by Region and United States,
July 7-13, 1991 1/

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

1/ Excludes Agricultural Service Workers.

2/ Region map on page 19.

3/ Insufficient Data.

4/ Excluded from U.S.

Workers on Farms by Region and United States,
October 7-13, 1990 1/

Region <u>2/</u>	All Farm Workers	Self-Employed	Unpaid	Hired		
				Number of Workers	Expected to be Employed 150 Days or More	Expected to be Employed 149 Days or Less
Thousands						
Northeast I	112	44	16	52	36	16
Northeast II	139	66	31	42	32	10
Appalachian I	131	69	20	42	28	14
Appalachian II	231	145	36	50	24	26
Southeast	115	75	12	28	21	7
Florida	76	24	4	48	45	3
Lake	335	177	81	77	46	31
Cornbelt I	326	201	64	61	40	21
Cornbelt II	262	156	65	41	27	14
Delta	130	71	16	43	32	11
Northern Plains:	254	150	65	39	25	14
Southern Plains:	300	187	48	65	51	14
Mountain I	87	41	13	33	20	13
Mountain II	61	25	8	28	21	7
Mountain III	54	11	26	17	15	2
Pacific	138	52	13	73	35	38
California	257	62	9	186	141	45
Hawaii	14	3	1	10	9	1
US <u>3/</u>	3,022	1,559	528	935	648	287

Hours Worked and Wage Rates for All Hired Workers
by Region and United States, October 7-13, 1990 1/

Region <u>2/</u>	Hours Worked			Wage Rates for All Hired Workers
	Self-Employed	Unpaid	Hired	
Hours per Week Dollars per Hour				
Northeast I	42.9	39.2	39.9	5.58
Northeast II	39.6	40.3	41.0	5.51
Appalachian I	35.2	35.3	36.4	4.73
Appalachian II	27.1	30.2	30.0	4.94
Southeast	27.3	26.8	37.8	5.16
Florida	24.0	32.5	36.7	6.28
Lake	53.3	42.0	37.8	5.25
Cornbelt I	39.0	36.2	37.3	5.68
Cornbelt II	48.6	37.5	41.8	5.15
Delta	35.4	34.9	45.7	4.59
Northern Plains:	55.0	43.2	48.6	5.45
Southern Plains:	33.5	31.3	41.7	5.04
Mountain I	46.2	42.0	53.5	4.96
Mountain II	45.7	35.3	49.9	5.45
Mountain III	38.5	38.6	49.4	5.45
Pacific	31.0	31.2	42.5	6.44
California	30.0	42.0	43.2	6.27
Hawaii	32.9	29.9	38.8	8.64
US <u>3/</u>	40.0	37.5	41.3	5.64

1/ Excludes Agricultural Service Workers. 2/ Region map on page 19.

3/ Excludes AK.

Wage Rates for Hired Workers by Region and United States,
October 7-13, 1990 1/

Region <u>2/</u>	Type of Worker					Method of Pay		
	Field	Livestock	Livestock	visory	Other	Hourly	Piece Rate	Other
Dollars per Hour								
Northeast I	6.17	4.50	5.41	7.05	<u>3/</u>	5.83	7.34	4.85
Northeast II	5.45	4.54	5.16	8.20	5.69	5.62	6.52	5.08
Appalachian I	4.59	4.39	4.52	7.39	<u>3/</u>	4.68	<u>3/</u>	4.88
Appalachian II	4.43	4.79	4.58	7.69	6.94	4.61	<u>3/</u>	5.41
Southeast	4.97	4.63	4.83	8.94	<u>3/</u>	5.15	6.68	4.82
Florida	5.68	5.48	5.64	10.35	8.98	5.76	6.14	7.92
Lake	5.21	4.61	4.97	7.29	7.13	5.52	5.94	4.65
Cornbelt I	5.29	5.16	5.25	7.74	6.59	5.49	<u>3/</u>	6.05
Cornbelt II	4.78	5.20	4.95	7.10	<u>3/</u>	5.20	<u>3/</u>	5.05
Delta	4.33	4.66	4.39	7.86	<u>3/</u>	4.29	<u>3/</u>	5.47
Northern Plains	5.40	5.00	5.28	7.54	<u>3/</u>	5.85	<u>3/</u>	4.97
Southern Plains	4.74	4.78	4.76	7.65	6.50	4.72	<u>3/</u>	5.44
Mountain I	5.06	4.47	4.92	5.52	<u>3/</u>	5.15	<u>3/</u>	4.67
Mountain II	5.24	5.04	5.17	7.27	<u>3/</u>	5.61	<u>3/</u>	5.16
Mountain III	5.04	4.90	4.98	7.64	6.72	5.24	<u>3/</u>	5.74
Pacific	6.37	5.87	6.28	9.05	6.28	5.86	6.83	7.85
California	5.67	6.50	5.75	10.30	8.80	5.69	7.36	8.62
Hawaii	8.02	<u>3/</u>	7.89	13.54	<u>3/</u>	8.04	<u>3/</u>	11.40
US <u>4/</u>	5.41	5.00	5.30	8.52	7.14	5.44	6.83	5.84

1/ Excludes Agricultural Service Workers.

2/ Region map on page 19.

3/ Insufficient Data.

4/ Excludes AK.

All Hired Workers, September 8-14, 1991 1/

State	Number of Workers	Wage Rates <u>2/</u>
	Thousands	Dollars per Hour
NY	31	6.18
PA	36	5.67
NC	47	5.44
FL	45	6.25
MI	37	6.30
WI	28	4.84
TX	41	4.89
NM	8	5.17
OR	36	6.01
WA	40	6.40
CA	200	6.33

Agricultural Service Workers, September 8-14, 1991

State	Number of Workers Working on Farms	Wage Rates <u>2/</u>
	Thousands	Dollars per Hour
FL	2.5	7.90
CA	101.0	5.78

All Hired Workers, August 11-17, 1991 1/

State	Number of Workers	Wage Rates <u>2/</u>
	Thousands	Dollars per Hour
NY	30	5.67
PA	36	5.60
NC	95	4.98
FL	45	6.40
MI	46	6.20
WI	26	4.90
TX	63	5.75
NM	9	4.96
OR	32	5.93
WA	54	5.75
CA	222	6.34

Agricultural Service Workers, August 11-17, 1991

State	Number of Workers Working on Farms	Wage Rates <u>2/</u>
	Thousands	Dollars per Hour
FL	1.6	7.10
CA	54.0	5.76

1/ Excludes Agricultural Service Workers.

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

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

Regions ^{2/}	October 7-13, 1990				October 6-12, 1991			
	Field: Crops:	Other: Crops:	L'STK &: Poultry:	All Farms:	Field: Crops:	Other: Crops:	L'STK &: Poultry:	All Farms:
	Dollars per Hour							
Northeast	5.59	6.27	4.38	5.29	5.91	6.27	4.95	5.76
Appalachian	4.20	5.41	4.70	4.55	5.27	5.64	4.99	5.28
Southeast	4.76	5.70	4.98	5.31	4.55	5.85	5.43	5.48
Lake	5.43	5.99	4.24	4.97	5.78	6.15	4.59	5.37
Cornbelt	5.13	4.99	5.15	5.11	5.77	5.63	4.81	5.48
Delta	4.25	5.15	4.59	4.39	4.44	6.69	5.49	4.66
Northern Plains	5.46	3/	4.93	5.28	5.91	6.02	5.32	5.78
Southern Plains	4.56	4.49	4.92	4.76	4.87	5.26	5.18	5.07
Mountain	4.94	5.66	4.92	5.02	5.24	5.44	4.98	5.15
Pacific	5.69	5.94	5.80	5.88	6.24	5.95	6.82	6.07
48 States	5.01	5.85	4.87	5.28	5.41	5.94	5.18	5.59

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

Regions ^{2/}	October 7-13, 1990				October 6-12, 1991			
	Gross Value Sales-\$1000's		All		Gross Value Sales-\$1000's		All	
	<40:	40-99:	100-249:	250+:	<40:	40-99:	100-249:	250+:
	Dollars per Hour							
N. East	4.79	4.64	4.93	6.29	5.55	6.88	5.23	4.95
Appal.	4.24	4.28	4.61	5.61	4.84	4.72	4.94	4.75
S. East	4.41	5.44	5.38	6.14	5.84	4.79	5.22	5.61
Lake	4.64	4.72	4.35	6.08	5.25	4.17	4.53	5.49
Cornbelt	5.47	5.45	5.66	5.36	5.45	5.60	4.23	5.24
Delta	4.39	4.51	4.76	4.52	4.59	4.96	4.83	4.90
N. Plains	5.18	5.27	5.17	5.73	5.45	6.05	6.03	5.43
S. Plains	4.64	4.90	4.75	5.49	5.04	5.63	4.34	5.14
Mountain	5.13	4.82	4.84	5.41	5.24	6.10	4.76	4.94
Pacific	5.83	6.22	5.98	6.44	6.31	6.27	6.60	6.22
48 States	4.89	5.11	5.21	5.95	5.61	5.46	5.08	5.35

^{1/} Excludes Agricultural Service Workers.

^{2/} Regions consist of the following States.

Northeast: CT, DE, MD, ME, MA, NH, NJ, NY, PA, RI, VT.

Appalachian: KY, NC, TN, VA, WV.

Southeast: AL, FL, GA, SC.

Lake: MI, MN, WI.

Cornbelt: IA, IL, IN, MO, OH.

Delta: AR, LA, MS.

Northern Plains: KS, NE, ND, SD.

Southern Plains: OK, TX.

Mountain: AZ, CO, ID, MT, NM, NV, UT, WY.

Pacific: CA, OR, WA.

48 States: All States, excluding AK and HI.

^{3/} Insufficient Data.

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

Type of Farm	October 7-13, 1990	July 7-13, 1991	October 6-12, 1991
	Percent of Field and Livestock Workers <u>2/</u> <u>3/</u>		
Field Crops	30	30	28
Other Crops	39	43	46
Livestock, Dairy, & Poultry	31	27	26
	100.0	100.0	100.0

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

Gross Value of Sales	October 7-13, 1990	July 7-13, 1991	October 6-12, 1991
	Percent of Hired Workers <u>3/</u>		
Less than \$40,000	11	14	10
\$40,000-\$99,999	13	15	11
\$100,000-\$249,999	23	20	19
\$250,000 and over	53	51	60
	100.0	100.0	100.0

1/ 48 States, excluding AK and HI.

2/ Field and Livestock Workers combined.

3/ Excludes Agricultural Service Workers.

Distribution of Hired Workers on Farms, United States, 1/ 2/

Category	October 7-13, 1990	July 7-13, 1991	October 6-12, 1991
Percent of Hired Workers			
Employed on Farms Hiring:			
1 Worker	14	11	13
2 Workers	11	10	9
3-6 Workers	23	24	18
7-10 Workers	8	11	10
At least 11 Workers	44	44	50
	100.0	100.0	100.0
Payment Method:			
Hourly	68	72	68
Piece-Rate	7	8	11
Other Methods	25	20	21
	100.0	100.0	100.0
Benefits: <u>3/</u>			
Housing and Meals	5	6	5
Housing (no Meals)	14	13	13
Meals (no Housing)	4	4	4
Bonus	5	4	4
Other Benefits	14	11	11
Wages Only	58	62	63
	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.

Annual Average Wage for Hired Workers by Region and United States,
1990 1/ 4/

Region <u>2/</u>	Type of Worker					Method of Pay			
	All Hired	Live- Field	Field & Stock	Super- Livestock	Super- Other	Hourly	Piece- Rate	Other	
Dollars per Hour									
Northeast I	5.51	5.78	4.61	5.21	7.54	7.58	5.65	<u>3/</u>	5.16
Northeast II	5.34	5.30	4.25	4.93	8.08	6.53	5.39	6.46	5.08
Appalachian I	4.69	4.46	4.57	4.50	7.25	<u>3/</u>	4.47	<u>3/</u>	5.14
Appalachian II	4.84	4.45	4.66	4.56	8.06	6.88	4.59	<u>3/</u>	5.37
Southeast	4.82	4.27	4.95	4.46	9.39	6.18	4.54	<u>3/</u>	5.55
Florida	6.00	5.40	5.29	5.38	10.31	8.56	5.42	6.30	7.61
Lake	5.19	5.27	4.55	4.90	7.46	7.47	5.25	6.00	5.04
Cornbelt I	5.59	5.06	5.04	5.05	8.07	6.61	5.20	<u>3/</u>	6.29
Cornbelt II	5.07	4.76	4.98	4.85	6.66	<u>3/</u>	4.97	<u>3/</u>	5.24
Delta	4.66	4.46	4.23	4.40	7.82	<u>3/</u>	4.40	5.48	5.05
Northern Plains	5.41	5.21	5.19	5.20	8.02	6.41	5.53	<u>3/</u>	5.27
Southern Plains	4.97	4.56	4.67	4.61	7.87	6.05	4.60	<u>3/</u>	5.45
Mountain I	4.85	4.93	4.59	4.79	5.29	<u>3/</u>	5.09	<u>3/</u>	4.68
Mountain II	5.29	4.98	5.01	5.00	7.38	<u>3/</u>	5.17	<u>3/</u>	5.44
Mountain III	5.32	4.78	5.01	4.87	7.97	6.93	4.95	<u>3/</u>	5.87
Pacific	5.95	5.62	6.21	5.69	9.04	7.16	5.50	6.46	7.37
California	6.34	5.69	6.56	5.81	10.72	9.08	5.66	7.23	8.81
Hawaii	8.61	7.93	<u>3/</u>	7.85	13.31	<u>3/</u>	7.98	<u>3/</u>	11.79
US <u>5/</u>	5.52	5.23	4.96	5.15	8.58	7.32	5.24	6.55	5.95

1/ Excludes Agricultural Service Workers.

2/ Region map on page 19.

3/ Insufficient Data.

4/ Annual rates are averages of the published wage rates for each survey week weighted by the number of hours worked during the week. The annual average for all States, Regions, and the U.S. is based on data collected for January, April, July, and October.

5/ Excludes AK.

Annual Average Wage for Hired Workers by Region and United States,
1991 1/ 4/

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

- 1/ Excludes Agricultural Service Workers.
- 2/ Region map on page 19.
- 3/ Insufficient Data.
- 4/ Annual rates are averages of the published wage rates for each survey week weighted by the number of hours worked during the week. The annual average for all States, Regions, and the U.S. is based on data collected for January, April, July, and October.
- 5/ Excludes AK.

Agricultural Services

Crew leaders and custom crews provided 287,000 workers for the Nation's farms and ranches during the week of October 6-12, 1991. Service workers in California numbered 52,000 compared with 68,000 during the October 1990 survey week. Florida's number of service workers was 5,700, up from last October's 4,500.

The average wages received by agricultural service workers in California and Florida were \$6.16 and \$5.86 per hour, respectively. Comparable wages in October 1990 were \$6.69 in California and \$6.24 in Florida.

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

Item	:October 7-13, 1990:			:July 7-13, 1991:			:October 6-12, 1991		
	: CA :	FL :	US :	CA :	FL :	US :	CA :	FL :	US
	: Thousands								
Number of Workers	:	:	:	:	:	:	:	:	:
Working on Farms	: 68.0	4.5	296.0	70.0	<u>4/3.1</u>	<u>4/373.0</u>	52.0	5.7	287.0
	: Hours <u>2/</u>								
Hours Worked	: 34.5	30.5	-	40.3	32.3	-	35.4	29.3	-
	: Dollars per Hour <u>2/</u>								
Wage Rates <u>3/</u>	: 6.69	6.24	-	5.56	7.21	-	6.16	5.86	-
Method of Pay	:	:	:	:	:	:	:	:	:
Hourly	: 5.97	5.91	-	5.10	6.90	-	5.41	5.95	-
Piece-Rate	: 7.98	6.07	-	7.21	8.35	-	7.57	5.50	-
Type of Work	:	:	:	:	:	:	:	:	:
Field	: 6.42	5.64	-	5.38	7.04	-	5.93	5.50	-

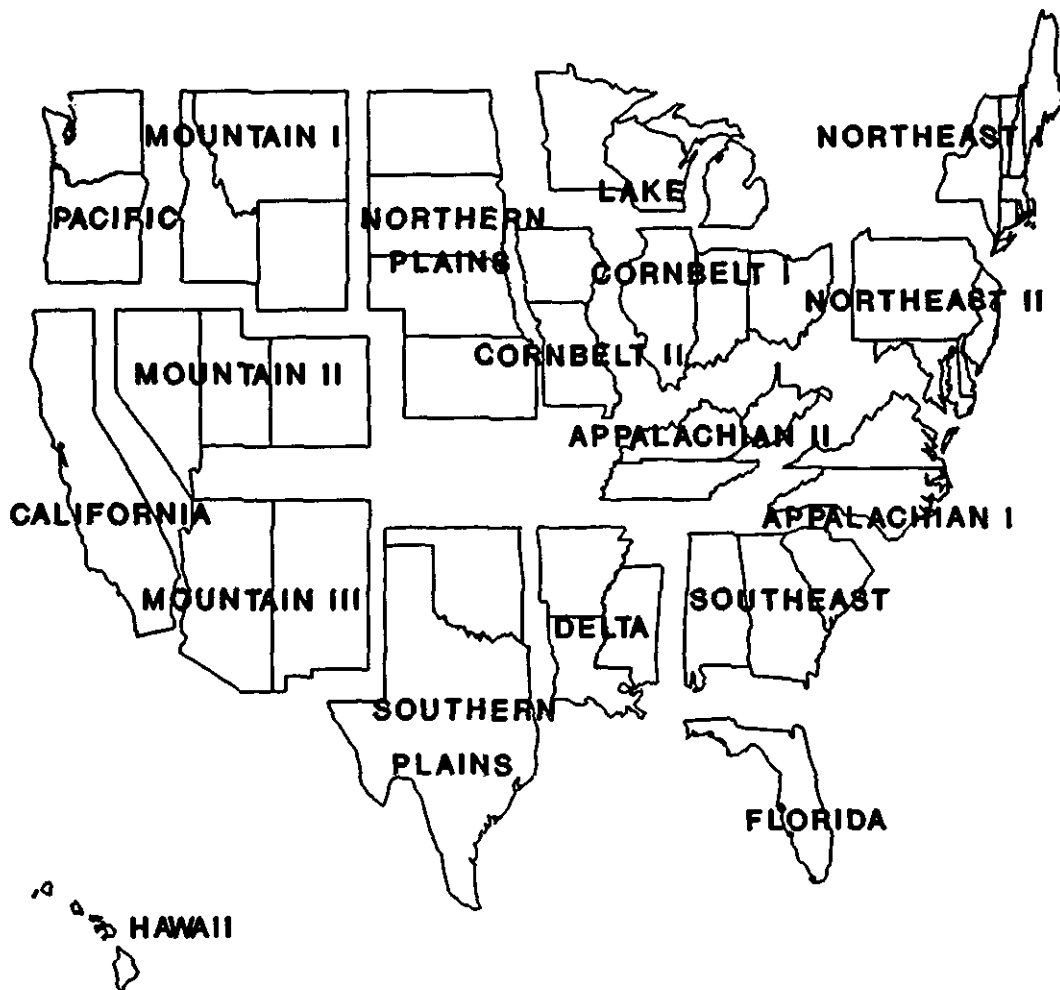
1/ Data are for Agricultural Services performed on the farm by custom service units such as crew leaders or custom crews. These statistics are not included in the State-Regional tables.

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/ Revised.

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.

FARM LABOR

Reliability of Farm Labor Estimates

Survey Procedures: These data were collected by the National Agricultural Statistics Service during the last two weeks of October using sampling procedures to ensure every employer of agricultural workers had a chance of being selected.

Two samples of farm operators are selected. First, NASS maintains a list of farms that hire farm workers. Farms on this list are classified by size and type. Those expected to employ large numbers of workers are selected with greater frequency than those hiring few or no workers. A second sample consists of about 16,000 segments of land scientifically selected from aerial photography. Each June, highly trained interviewers locate each selected land segment and identify every farm operating land within the sample segment's boundaries. The names of farms found in these area segments are matched against the list of farms; those not found on the list are included in the labor survey sample to represent all farms not on the NASS list. This methodology is known as multiple frame sampling, with an area sample used to measure the incompleteness of the list. Additionally, a list of agricultural service firms was sampled in California and Florida. The survey reference week was October 6-12, 1991.

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 about 2 percent and about 4 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 1.0 percent. The relative sampling error was 1.2 percent for hourly paid workers and was 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 4 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 July and September of 1991 and October 1990 were subject to revision with this report. Previous data are reprinted in this report for your information.

Revisions: Included in this report are revisions for the July 1991 number of workers and average hours worked in the Southern Plains region and the corresponding revisions at the U. S. level. The number of agricultural service workers was also revised at the U.S. level. July 1991 revisions for hired workers in Texas and agricultural service workers in Florida were previously published in the August Farm Labor report released on September 13, 1991. Revisions are *footnoted in the appropriate tables*. No revisions were made for September 1991 or October 1990.

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

The December 13th report will have information for the survey week of November 10-16, 1991. The report will include number of All Hired Workers and the All Hired Worker Wage Rates for the monthly States. The monthly States are California, Florida, New Mexico, and Texas. No regional or U.S. level information will be included. The number of Agricultural Service Workers and the corresponding All Hired Service Worker Wage Rate will be published for California and Florida.

