Farm Labor



USDA Washington, D.C.

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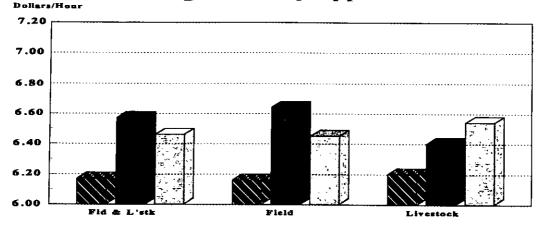
All Hired Workers Up 5 Percent, Wages Up 5 Percent From Last July

There were 1.41 million hired workers on the Nation's farms and ranches during the week of July 6-12, 1997, 5 percent more than last year. There were 1.07 million hired directly by farm operators. Agricultural service employees on farms and ranches made up the remaining 340,000 workers. Migrant workers accounted for 10.8 percent of the hired workforce, compared to 13.1 percent a year ago.

Farm operators paid their hired workers an average wage of \$6.90 per hour during the July 1997 survey week, up 35 cents from a year earlier. Field workers received an average of \$6.45 per hour, up 29 cents. Livestock workers earned \$6.54 per hour compared with \$6.20 a year earlier.

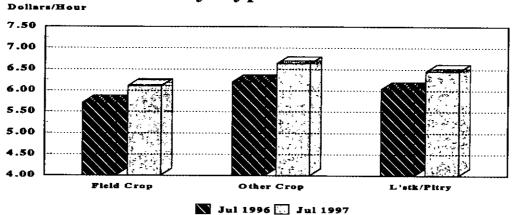
During the survey week of July 6-12, 1997, dry weather reduced topsoil moisture from Iowa and Missouri eastward to the Middle Atlantic region. Warm, dry weather provided ideal weather for winter wheat harvest in an area extending from Colorado eastward to Indiana. Meanwhile, beneficial rains dampened the northern Corn Belt. Showers also occurred in the Northwest. On the Plains, scattered thunderstorms caused only brief winter wheat harvest delays. Ideal harvest conditions prevailed on the central High Plains, although long-term drought persisted. Across the Nation's southern States, near-normal temperatures and occasional rainfall prevailed. Cool air cloaked the Midwest and Northeast. Beneficial showers fell along the northern tier of States in the eastern United States. Late in the week, scattered, locally severe thunderstorms hit the Central States, but in the central Corn Belt little rain was received. Temperatures were seasonable and favorable for crop development throughout the East and South. In California, field activities progressed under normal weather conditions in most areas. Small grain harvest was nearly complete as harvested land was being prepared for double cropping. Sugar beet harvest was progressing normally. Cotton growers were continuing pesticide Some early plantings of corn were cut for silage. Field corn treatments. harvest was underway in the Imperial Valley. Fruit, melon, and citrus harvest continued in the northern San Joaquin Valley. Vegetable harvest progressed in the coastal areas. Frequent rainfall delayed hay baling and other fieldwork in some areas of Florida; however, tobacco harvest was active. Harvesting of summer vegetables for local markets continued. In Texas, irrigation resumed in the Plains and small grain harvest reached full speed. Haying activity slowed in wetter areas. Vegetable harvest in the High Plains continued with some delays early in the week due to wet conditions.

U.S. Wage Rates by Type of Worker

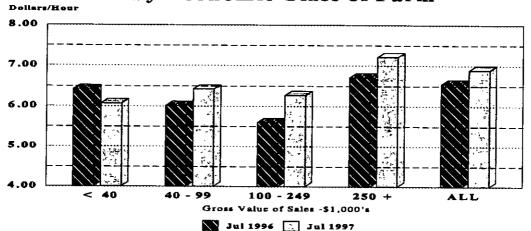


Jul 1996 Apr 1997 📳 Jul 1997

Wage Rate of Field & Livestock Workers By Type of Farm



Wage Rates of All Hired Workers by Economic Class of Farm



Farm Labor August 1997

Farm Labor: Employment and Wage Rates, United States, July 6-12, 1997, with Comparisons 1/ $\,$

:	July 7-13,	: April 6-12	: July 6-12,
: Parm Employment :	1996	: 1997	: 1997
;		1,000	
: ired Workers : Expected to be Employed :	1,015	809	1,068
150 Days or More :	652	* 655	689
149 Days or Less :	363	*154	379
.gricultural Services : Workers Working on Farms :	331	207	340
: ired Farm & Service Workers :	1,346	1,016	1,408
: : :		Percent	
:			
<pre>figrant Workers Percent of : Hired Farm & Service Workers: :</pre>		6.3	10.8
; ;		Hours per Week	
: Lours Worked :			
Hired :	40.9	*40.5	40.9
:		Dollars per Hour	
:		Dollars per nour	
Wage Rates for : All Hired Workers 2/3/ :	6.55	*7.04	6.90
: Type of Worker :			
Field & Livestock Combined :	6.17	*6.59	6.47
	6.16	*6.64	6.45
		*6.40	6.54

^{*} Revised.

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.

Hired Workers: Number and Hours Worked by Region and United States, July 6-12, 1997 1/

	Hired								
U.S.	: Number	: Expected to b	e Employed	: Number					
Region 2/	: of : Workers	: 150 Days : or More :	149 Days or Less	: of hours : Worked					
		1,000							
Northeast I Northeast II	: 49 : 48	35 33	14 15	37.2 46.0					
Appalachian I Appalachian II	: 67 : 39	26 16	41 23	38.3 30.7					
Southeast FL	: 48 : 40	33 36	15 4	37.2 41.5					
Lake	: 70	43	27	35.1					
Cornbelt I Cornbelt II	65 : 37	36 29	29 8	33.2 33.5					
Delta	: : 50	36	14	41.9					
Northern Plains	: : 51	35	16	43.0					
Southern Plains	: 82 -	54	28	44.3					
Mountain I Mountain II Mountain III	: 25 : 30 : 25	17 21 17	8 9 8	41.6 49.5 41.2					
Pacific CA	: : 108 : 227	52 164	56 63	39.9 46.3					
HI	: 7	6	1	37.6					
US 3/	: 1,068	689	379	40.9					

^{1/} Excludes Agricultural Service Workers.
2/ Region map on page 13.
3/ Excludes AK.

Hired Workers: Wage Rates for Type of Workers and All Hired Workers by Region and United States, July 6-12, 1997 1/

	:	Type of Worke	r	: -: Wage Rates for
and	: Field	: : Livestock	:Field & Lvstk : Combined	:All Hired Workers
	:		rs per Hour	
Northeast I Northeast II	6.99 6.29	6.41 5.71	6.81 6.10	7.15 6.56
Appalachian I Appalachian II	: 5.62 : 5.65	6.67 5.45	5.77 5.60	5.87 5.80
Southeast FL	: 5.92 : 6.71	6.08 6.60	5.95 6.69	6.46 7.60
Lake	6.56	6.10	6.35	6.72
Cornbelt I Cornbelt II		7.84 6.65	6.95 6.82	7.63 7.17
Delta	5.67	6.42	5.86	6.23
Northern Plains	6.95	6.99	6.96	7.48
Southern Plains	: 5.60	6.17	5.83	6.32
Mountain I Mountain II Mountain III	: 5.88	6.39 6.69 6.21	6.03 6.00 6.29	6.22 6.33 6.99
Pacific CA	: 6.83 : 6.74	8.54 7.43	6.93 6.80	7.33 7.24
HI	9.11	<u>3</u> /	9.10	10.34
US 4/	: 6.45	6.54	6.47	6.90

^{1/} Excludes Agricultural Service Workers.
2/ Region map on page 13.
3/ Insufficient data.
4/ Excludes AK.

Hired Workers: Number and Hours Worked by Region and United States, April 6-12, 1997 1/

	:	Hired		
U.S.	:	: Expected to be I	Employed	:
Region 2/	: of : Workers	: 150 Days : 1	149 Days or Less	: of Hours : Worked
		1,000		
Northeast I Northeast II	: 40 : 41	31 *32	9 *9	41.0 40.7
Appalachian I Appalachian II		29 17	9 8	41.4 *34.1
Southeast FL	: 43 : 60	35 52	8 8	33.8 41.0
Lake	: : 63	50	13	33.5
Cornbelt I Cornbelt II	55 27	45 20	10 7	35.7 36.2
Delta	: 39	32	7	38.7
Northern Plains	: : 27	24	3	*43.0
Southern Plains	: 55	44	11	40.6
Mountain I Mountain II Mountain III	: 20 : 22 : 16	16 16 14	4 6 2	50.8 *40.8 43.2
Pacific CA	: : 61 : 171	46 147	15 24	*42.3 45.1
HI	: 6	5	1	37.6
US 3/	: 809	*655 	*154	*40.5

^{1/} Excludes Agricultural Service Workers.
2/ Region map on page 13.
3/ Excludes AK.

Hired Workers: Wage Rates for Type of Worker and All Hired Workers By Region and United States, April 6-12, 1997 1/

	:	Type of Worke	er	: Wage Rates for
U.S. and Region 2/	:	: : Livestock	:Field & Lvstk : Combined	:All Hired Workers :
	:		rs per Hour	
Northeast I Northeast II	7.11 6.62	5.67 5.81	6.59 *6.27	7.22 *6.99
+ -	: *6.04 : 5.69	6.85 6.28	*6.28 *5.86	*6.49 *6.28
Southeast FL	*6.14 : *6.51	5.70 6.30	*6.02 *6.49	*6.59 7.19
Lake	: 7.50	6.56	6.91	7.31
Cornbelt I Cornbelt II	: 7.28 : 6.76	7.47 6.43	7.33 6.57	7.91 6.64
Delta	: *5.91	*6.33	*6.02	6.50
Northern Plains	: 7.96	6.61	*7.07	*7.72
Southern Plains	: 5.37	5.78	5.57	5.98
Mountain I Mountain II Mountain III	*6.58	4.95 *5.99 5.90	5.65 *6.40 5.81	5.94 *6.95 6.24
Pacific CA	6.71 6.90	*7.64 8.06	*6.88 6.99	7.36 7.35
HI	: 8.81	<u>3</u> /	8.82	*9.98
US 4/	* *6.64	*6.40	*6.59	*7.04

^{*} Revised.

1/ Excludes Agricultural Service Workers.

2/ Region map on page 13.

3/ Insufficient data.

^{4/} Excludes AK.

Hired Workers: Number and Hours Worked by Region and United States, July 7-13, 1996 1/

~~~~~~~~	Hired								
U.S.	:	: Expected to	:						
	: Number : of : Workers	: or More 3/	: or Less 3/	: of Hours : Worked					
				Hours per Week					
Northeast I Northeast II	: 49	34 31	15 12	39.1 41.9					
Appalachian I Appalachian II	; 57 ; 37	26 15	31 22	32.4 28.6					
Southeast FL	: : 30 : 43	18 38	12 5	39.6 37.7					
Lake	: : 81	51	30	35.5					
Cornbelt I Cornbelt II	: 54 : 46	31 24	23 22	31.8 37.5					
Delta	: : 40	31	9	45.2					
Northern Plains	: : 43	24	19	49.8					
Southern Plains	: 70	50	20	45.9					
Mountain I Mountain II Mountain III	: 21	22 14 17	8 7 3	48.3 47.8 50.9					
Pacific CA	: : 109 : 235	55 165	54 70	40.6 44.7					
HI	: 7	6	1	36.1					
US 3/	: 1,015	652	363	40.9					

^{1/} Excludes Agricultural Service Workers.
2/ Region map on page 13.
3/ Excludes AK.

Hired Workers: Wage Rates for Type of Worker and All Hired Workers By Region and United States, July 7-13, 1996 1/

	:	Type of Worke		: : Wage Rates for
U.S. and Region 2/	::: : Field	: : Livestock	:Field & Lvstk : Combined	: Wage Rates for :All Hired Workers :
	:	Dolla	rs per Hour	
Northeast I Northeast II		5.97 5.94	6.55 6.16	6.98 6.51
Appalachian I Appalachian II		6.09 6.04	5.53 5.46	5.73 5.90
Southeast FL	5.62 * *6.45	5.25 7.10	5.58 *6.52	5.85 *7.39
Lake	6.51	6.02	6.31	6.57
Cornbelt I Cornbelt II	: 6.70 : 5.97	6.65 5.48	6.69 5.84	7.09 6.34
Delta	: 5.96	5.75	5.91	6.13
Northern Plains	: 6.30	5.78	6.20	6.46
Southern Plains	; ; 5.17	5.84	5.36	6.01
Mountain I Mountain II Mountain III		5.75 6.05 5.99	5.90 5.92 5.87	5.94 6.27 6.39
	: 6.30 : 6.33	8.20 7.27	6.43 6.42	6.78 6.82
НĬ	: 8.74	<u>3</u> /	8.74	9.85
US 4/	: 6.16	6.20	6.17	6.55

^{*} Revised.

1/ Excludes Agricultural Service Workers.

2/ Region map on page 16.

3/ Insufficient data.

4/ Excludes AK.

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

	:		July 7-	13, 1996		:		July 6-1	L2, 1997	
Region 2/				:L'stk &: :Poultry:						
	:			De	ollars	рe	er Hour			
Northeast Appalachian Southeast Lake Cornbelt Delta Northern Plains Southern Plains Mountain Pacific 48 States		6.46 5.45 4.66 6.34 5.02 6.31 5.31 5.71	6.46 5.46 5.46 5.46 5.46 5.46 5.56 5.56	5.65.55.55.55.55.55.55.55.55.55.55.55.55	6.04 5.61 5.25 6.31 6.03 5.91 6.20 5.54 6.47 6.17		7.54 5.51 5.57 6.84 7.02 5.61 6.93 5.12 6.23 7.48 6.10	6.42 6.27 6.72 7.02 3/ 5.47 3.7 5.79 6.04 7.27 6.63	5.98 6.40 6.10 6.10 7.10 6.42 3/ 6.17 6.34 8.14 6.45	6.29 5.36 6.35 7.08 5.86 6.93 6.19 7.39 6.47

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

		 -			 -		 '			· 	
Region	:		July	7-13, 19	996		:	July	6-12,	1997	
2/	:	Gross <40		Sales-\$10 :100-249						31000's): 250+	
	:					ollars	per Ho	ur			
	: : : : : : : : : : : : : : : : : : : :	6.46 6.12 6.46	6.33 5.57 6.00 5.97 6.31 5.58 5.39 6.51 4.86 7.06 6.01	6.14 5.93 5.245 6.128 6.68 5.48 5.59	7.01 5.75 6.42 7.19 7.05 6.74 5.76 6.84 6.71	6.75 5.79 5.40 6.57 6.13 6.46 6.16 6.81 6.55	6.09 5.26 6.54 5.78 7.01 6.66 5.40 6.35 7.02 6.06	5.57 7.07 5.89 3/ 6.17 6.31 6.79 6.67 6.42	6.61 5.63 6.58 5.85 7.63 6.12 6.21 6.91	7.73 5.99 3/ 6.63 7.57 6.53 7.61 6.67 6.60 7.32 7.21	6.83 5.85 7.01 6.72 7.46 6.23 7.48 6.32 6.32 7.27 6.90

^{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/ Insufficent data.

Field and Livestock Workers: Distribution by Type of Farm, 48 States 1/ 2/ 3/

Type of Farm	:	July 7-13, 1996	: April 6-12 : 1997	, : July 6-12, : 1997
	:	Percent	of Field and Liv	estock Workers
	:			
Field Crops	:	26	21	23
Other Crops Livestock, Dairy,	:	48	49	50
& Poultry	:	26	30	27
-	;	100.0	100.0	100.0

Hired Workers: Distribution by Economic Class of Farm, 48 States 1/ 3/

						
	:	July 7-13, 1996	:	April 6-12, 1997		July 6-12, 1997
	:		Percent	of Hired Work	ers	
Less than \$40,000	:	11		0		1.3
\$40.000-\$99.999	•	10		7		12
\$100,000-\$39,999 \$100,000-\$249,999	:	16		, 15		15
\$250,000 and over	:	63		70		60
	:	100.0		100.0		100.0
						

Hired Workers: Distribution by Category, United States, 1/3/

	: :	July 7-13, 1996	: April 6-12, : 1997	
	 :		Percent of Hired Wo	orkers
Employed on Farms Hiring	:			
1 Worker	:	14	11	10
2 Workers	:	11	10	11
3-6 Workers	:	24	20	23
7-10 Workers	:	9	9	11
At least 11 Workers	:	42	50	45
	:	100.0	100.0	100.0

^{1/ 48} States, excluding AK and HI.
2/ Field and Livestock Workers combined.
3/ Excludes Agricultural Service Workers.

Agricultural Services

Crew leaders and custom crews provided 340,000 workers for the Nation's farms and ranches during the week of July 6-12, 1997, up 9,000 from a year ago. Service workers in California numbered 96,000 compared with 98,000 during the July 1996 survey week. Florida's number of service workers was 4,000, compared to 3,500 last year.

The average wages received by agricultural service workers in California and Florida were \$6.87 and \$8.10 per hour, respectively.

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

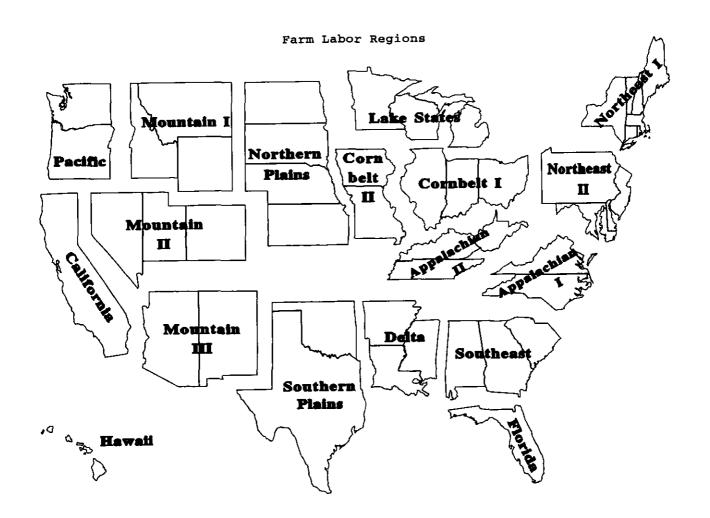
Chat	:	Wor	-	Farms	: Hours : Worked 2/			: Wage : Rates 2/3/		
Stat	:	Jul	: Apr	: Jul : 1997		: Apr		: Jul : 1996	-	
	:	1,000			Hours			Dollars per Hour		
CA FL	:	98.0 3.5	90.0 13.0	96.0 4.0	40.0 43.5	39.3 *36.0	37.2 39.5	7.17 <u>4</u> /	7.21 8.44	6.87 8.10
US	; ;	331.0	207.0	340.0					- 	

- * Revised
- 1/ Data are for Agricultural Services performed on the farm by custom service units such as crew leaders or custom crews. These statistics are not included in the State-Regional tables.
- 2/ United States data not available.
- 3/ Benefits, such as housing and meals, are provided some workers but the values are not included in the wage rates.
- 4/ Insufficient data.

Migrant Workers: Percent of all Hired Workers, United States, By Quarter (Includes Agricultural Service Workers), 1995-97 1/

	Year	:	Jan	:	Apr	:	Jul	: :	Oct
1995	2/	:	N/A		N/A	Percent	12.4	-	11.6
1996 1997		: :	5.7 9.5		7.5 6.3		13.1 10.8		11.1

- 1/ Definition "Migrant Worker" is a farm worker whose employment required travel that prevented the farm worker from returning to his/her permanent place of residence the same day.
- 2/ Data first collected during July 1995 survey.



Region

States

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 6-12, 1997.

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 hired workers at the U.S. level was 4.0 percent. The relative sampling error for number of hired workers generally ranged between 8 and 21 percent at the regional level. The U.S. all hired farm worker wage rate had a relative sampling error of 1.1 percent. The relative sampling error was .8 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 8 percent at the regional level. Relative sampling errors for wage rates published by type of farm and economic class of farm ranged between 2 and 10 percent at the regional level.

Nonsampling errors can occur in complete censuses as well as in sample surveys. They are caused by the inability to obtain correct information from each operation sampled, differences in interpreting questions or definitions, and mistakes in coding or processing the data. Special efforts are taken at each step of the survey to minimize nonsampling errors.

Revision Policy: Farm labor information is subject to revision the next time the information is published or the year after the original publication date. The basis for revision must be supported by additional data that directly affect the level of the estimate. Worker numbers and wage rates for April, 1997 and July, 1996 were subject to revision with this report. Revisions were made as noted and previous data are reprinted in this report for your information.

The November 21st report will have information for the survey week of October 12-18, 1997. The report will include the number of All Hired Workers, Average Hours Worked by Hired Workers and the All Hired Worker Wage Rates regional and U.S. levels. The wage rate for field and livestock workers will be available for 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 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 will be published for Florida and California.

The report will also include certain annual data for the U.S., regions, and selected states. Annual self employed and unpaid worker data will be published. Annual employment data for hired worker numbers, hours worked, and hired worker wage rates will be published. Annual average wage rate data will be published by State for field, field and livestock combined, and all hired workers. A new data series on the number of migrant workers will also be published.

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The next "Farm Labor" report will be released at 3:00 p.m. ET on November 21, 1997.

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