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# Farm Labor



National  
Agricultural  
Statistics  
Service  
Fact Finding  
for Agriculture

United States  
Department of  
Agriculture

Agricultural  
Statistics  
Board

Washington, D.C.

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## NUMBER OF WORKERS AND WAGE RATES INCREASE

There were 3.52 million people working on the Nation's farms and ranches during the week of July 10-16, 1988, according to the Agricultural Statistics Board. This number was up 1.5 percent from the 3.47 million workers during the comparable week in 1987. Self-employed farm operators accounted for 1.43 million of the total, along with 591,000 unpaid workers, and 1.20 million workers hired directly by farm operators. Agricultural Service employees made up the remaining 303,000 workers.

Farm operators paid their hired workers an average rate of \$4.90 per hour during the July 1988 survey week. This rate was up 12 cents from a year earlier. Workers paid on an hourly basis earned \$4.72 per hour compared with \$4.59 last July. Field workers received an average of \$4.63 per hour, up 3 cents from the July 1987 week. Livestock workers earned \$4.50 compared with \$4.29 per hour a year earlier.

Self-employed farm operators worked an average of 44.4 hours, 2.7 hours less than the comparable week in 1987. Unpaid workers averaged 37.3 hours, 1.7 hours less than last year. Hired employees worked 37.4 hours compared with 37.9 hours last July.

Benefits, such as housing and meals, were provided to 44 percent of the hired workers during the survey week. This compares with 45 percent during the July 1987 survey week. Data from the Farm Cost and Returns Survey showed that the value of benefits including insurance and retirement, FICA and other compensation taxes, housing, and other non-cash perquisites represented 15 percent of the total farm and ranch expenditures for farm labor in 1987. This percent was unchanged from 1986.

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\* NOTICE \*  
\* \*  
\* Requests for a subscription order form covering all available reports \*  
\* should be directed to Agricultural Statistics Board Publications, Room \*  
\* 5829-South Building, USDA, Washington, D.C. 20250 (Phone (202) 447-4021). \*  
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## FARM ACTIVITIES DURING SURVEY WEEK

Temperatures soared to over 100 degrees throughout much of the Nation during the survey week of July 10-16, 1988. Rain from scattered thunderstorms in the eastern two-thirds of the United States brought partial relief to some of the drought-stricken areas. Farmers were able to work 5 to 6 days in most areas. Winter wheat harvest was 82 percent complete by the week's end, 10 points ahead of the 5 year average. Cotton harvest was underway in the Texas Rio Grande Valley. Peach harvest was in full swing along the east coast. California's vegetable harvest consisted mostly of broccoli, cauliflower, carrots, celery, melons, and onions. Harvest of cherries, raspberries, and blueberries was active in Oregon and Washington State.

## SOURCE AND RELIABILITY OF ESTIMATES

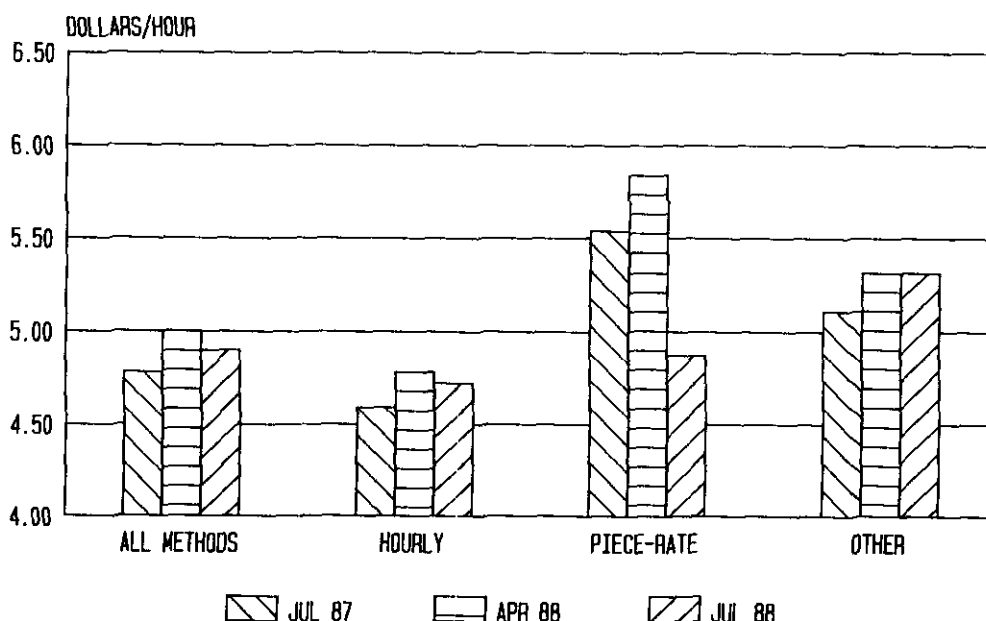
The estimates of agricultural labor are based on multiple frame probability surveys. The surveys utilize two sampling frames -- a list frame and an area frame. The list sample is a stratified random sample of producers likely to have hired farm workers. A probability sample from the area frame is used to estimate for any employers not on the list. The multiple frame approach assures all employers are represented by the combined samples.

Standard error, or relative sampling error, is a statistical measure of the variation that occurs by chance because of sampling. The true value is expected to be within the range of two standard errors below to two standard errors above the survey indication nine times out of ten.

At the U.S. level, the number of all non-salaried workers and hired workers had relative sampling errors of 2.1 and 3.6 percent, respectively. Relative errors at the regional level for hired workers generally ranged between 10 and 20 percent. The all hired farm worker wage rate had a relative sampling error of 1.0 percent at the U.S. level. The relative sampling error for hourly paid workers was 0.8 percent and was 0.9 percent for the combined field and livestock worker wage rate.

Sampling errors for the combined field and livestock worker wage rates by type of farm generally ranged between 4.0 and 6.0 percent at the regional level. Wage rates by economic class of farm also had sampling errors in this range.

## U.S. WAGE RATES BY METHOD OF PAY



FARM LABOR: EMPLOYMENT, WAGE RATES AND INDEXES, UNITED STATES,  
JULY 10-16, 1988, WITH COMPARISONS

ITEM	FARM EMPLOYMENT		
	JUL 12-18, 1987	APR 10-16, 1988	JUL 10-16, 1988
	THOUSANDS		
FARM WORKERS	3,211	2,754	3,218
SELF-EMPLOYED	1,354	1,320	1,427
UNPAID	587	476	591
HIRED	1,270	958	1,200
EXPECTED TO BE EMPLOYED			
150 DAYS OR MORE	706	697	679
149 DAYS OR LESS	564	267	521
AGRICULTURAL SERVICES WORKERS WORKING ON FARMS	258	224	303
TOTAL FARM & SERVICE WORKERS	3,469	2,978	3,521
INDEXES- SEASONALLY ADJUSTED			
1910-14=100			
ALL FARM WORKERS	20	22	19
HIRED WORKERS	23	30	22
1977=100			
ALL FARM WORKERS	65	74	64
HIRED WORKERS	67	86	63

ITEM	FARM WAGE RATES 1/ 2/		
	JUL 12-18, 1987	APR 10-16, 1988	JUL 10-16, 1988
	DOLLARS PER HOUR		
ALL HIRED FARM WORKERS	4.78	5.00	4.90
METHOD OF PAY			
HOURLY	4.59	4.78	4.72
PIECE-RATE	5.54	5.84	4.87
OTHER	5.11	5.32	5.32
TYPE OF WORKER			
FIELD & LIVESTOCK COMBINED	4.52	4.69	4.60
FIELD	4.60	4.76	4.63
LIVESTOCK	4.29	4.51	4.50
SUPERVISORY	7.79	7.85	7.70
OTHER	6.40	6.64	7.06
INDEXES- SEASONALLY ADJUSTED			
ALL HIRED WORKERS			
1910-14=100	3,316	3,328	3,399
1977=100	174	175	179

1/ PERQUISITES SUCH AS ROOM AND BOARD, HOUSING, ETC., ARE PROVIDED SOME WORKERS BUT THE VALUES ARE NOT INCLUDED IN THE WAGE RATES. 2/ EXCLUDES AGRICULTURAL SERVICE WORKERS.

WORKERS ON FARMS, BY STATES AND REGIONS, JULY 10-16, 1988 1/

STATE AND REGION 2/	ALL FARM WORKERS	SELF- EMPLOYED	UNPAID	HIRED		
				NUMBER OF WORKERS	EXPECTED TO BE EMPLOYED 150 DAYS OR MORE	149 DAYS OR LESS
THOUSANDS						
NORTHEAST I	116	39	17	60	38	22
NORTHEAST II	153	58	29	66	44	22
APPALACHIAN I	150	59	18	73	24	49
APPALACHIAN II	174	112	29	33	19	14
SOUTHEAST	149	57	19	73	32	41
FLORIDA	61	20	4	37	33	4
LAKE	391	180	103	108	56	52
CORNBELT I	273	146	63	64	36	28
CORNBELT II	280	157	67	56	30	26
DELTA	144	77	17	50	37	13
NORTHERN PLAINS	292	144	72	76	33	43
SOUTHERN PLAINS	307	167	55	85	51	34
MOUNTAIN I	105	47	22	36	18	18
MOUNTAIN II	85	32	21	32	16	16
MOUNTAIN III	53	13	23	17	14	3
PACIFIC	180	57	15	108	32	76
CALIFORNIA	290	59	16	215	156	59
HAWAII	15	3	1	11	10	1
U. S.	3218	1427	591	1200	679	521

HOURS WORKED PER WEEK AND WAGE RATES FOR ALL HIRED WORKERS,  
BY STATES AND REGIONS, JULY 10-16, 1988 1/

STATE AND REGION 2/	HOURS WORKED			WAGE RATES FOR ALL HIRED WORKERS
	SELF- EMPLOYED	UNPAID	HIRED	
HOURS				DOLLARS PER HOUR
NORTHEAST I	53.5	40.2	41.5	4.93
NORTHEAST II	47.7	37.0	40.9	5.02
APPALACHIAN I	34.0	35.5	28.8	4.08
APPALACHIAN II	28.9	34.4	33.1	4.63
SOUTHEAST	36.4	36.6	29.7	4.24
FLORIDA	26.5	32.2	39.1	5.54
LAKE	56.3	37.3	38.2	4.22
CORNBELT I	43.8	36.1	36.4	4.82
CORNBELT II	46.5	35.7	30.7	4.86
DELTA	36.6	35.2	42.2	3.99
NORTHERN PLAINS	59.7	42.8	35.7	4.78
SOUTHERN PLAINS	36.8	35.9	39.0	4.66
MOUNTAIN I	49.4	41.6	44.1	4.12
MOUNTAIN II	56.1	34.0	37.2	4.89
MOUNTAIN III	37.7	37.0	51.0	4.78
PACIFIC	39.2	37.8	36.7	4.83
CALIFORNIA	39.9	37.5	39.9	6.00
HAWAII	29.6	28.1	38.7	7.76
U. S.	44.4	37.3	37.4	4.90

WAGE RATES FOR HIRED WORKERS, BY STATES AND REGIONS, JULY 10-16, 1988 1/

STATE AND REGION 2/	TYPE OF WORKER					METHOD OF PAY		
	FIELD	LIVESTOCK	LIVESTOCK	SUPERVISORY	OTHER	HOURLY	PIECE RATE	OTHER
	DOLLARS PER HOUR							
NORTHEAST I	4.88	4.26	4.60	7.37	6.84	4.99	3/	4.83
NORTHEAST II	4.70	4.46	4.65	7.41	7.08	4.83	4.72	5.57
APPALACHIAN I	3.95	4.52	4.02	3/	3/	3.99	3.93	4.52
APPALACHIAN II	4.07	4.45	4.27	7.65	3/	4.40	3/	5.31
SOUTHEAST	3.90	4.56	4.08	6.27	3/	4.39	3.95	4.13
FLORIDA	4.82	5.08	4.89	8.81	8.10	4.83	3/	7.82
LAKE	4.38	3.48	4.00	5.90	3/	4.29	4.46	4.05
CORNBELT I	4.63	4.73	4.67	6.03	3/	4.70	3/	5.17
CORNBELT II	4.49	4.59	4.52	8.58	3/	4.47	3/	5.75
DELTA	3.85	3.68	3.79	6.31	3/	4.07	3/	3.82
NORTHERN PLAINS	4.71	4.48	4.66	6.50	5.67	4.74	5.20	4.73
SOUTHERN PLAINS	3.95	4.73	4.26	8.28	7.20	4.15	4.11	5.39
MOUNTAIN I	3.91	3.83	3.88	6.23	3/	4.54	3.38	3.92
MOUNTAIN II	4.33	5.05	4.75	6.62	3/	5.00	3/	4.74
MOUNTAIN III	4.18	4.63	4.33	7.07	6.33	4.48	3/	5.31
PACIFIC	4.60	5.32	4.68	6.76	3/	4.67	4.67	5.90
CALIFORNIA	5.45	6.17	5.52	10.77	8.39	5.30	6.77	8.84
HAWAII	7.45	3/	7.41	10.83	7.44	7.46	3/	9.60
U. S.	4.63	4.50	4.60	7.70	7.06	4.72	4.87	5.32

1/ EXCLUDES AGRICULTURAL SERVICE WORKERS.

2/ REGIONS CONSIST OF THE FOLLOWING:

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.

3/ INSUFFICIENT DATA.

WORKERS ON FARMS, BY STATES AND REGIONS, APRIL 10-16, 1988 1/

STATE AND REGION 2/	ALL FARM WORKERS	SELF- EMPLOYED	UNPAID	HIRED		
				NUMBER OF WORKERS	EXPECTED TO BE EMPLOYED	
				150 DAYS OR MORE	149 DAYS OR LESS	
THOUSANDS						
NORTHEAST I	103	39	16	48	40	8
NORTHEAST II	123	57	24	42	30	12
APPALACHIAN I	115	57	14	44	31	13
APPALACHIAN II	150	93	28	29	20	9
SOUTHEAST	100	51	9	40	26	14
FLORIDA	111	19	4	88	57	31
LAKE	354	185	76	93	64	29
CORNBELT I	292	161	54	77	58	19
CORNBELT II	257	151	69	37	22	15
DELTA	128	57	18	53	38	15
NORTHERN PLAINS:	223	139	49	35	26	9
SOUTHERN PLAINS:	279	151	48	80	64	16
MOUNTAIN I	80	36	16	28	19	9
MOUNTAIN II	50	20	8	22	18	4
MOUNTAIN III	54	12	22	20	15	5
PACIFIC	98	40	12	46	30	16
CALIFORNIA	223	49	8	166	124	42
HAWAII	14	3	1	10	9	1
U. S.	2754	1320	476	958	691	267

HOURS WORKED PER WEEK AND WAGE RATES FOR ALL HIRED WORKERS,  
BY STATES AND REGIONS, APRIL 10-16, 1988 1/

STATE AND REGION 2/	HOURS WORKED			WAGE RATES FOR ALL HIRED WORKERS
	SELF- EMPLOYED	UNPAID	HIRED	
	HOURS			DOLLARS PER HOUR
NORTHEAST I	59.0	37.2	41.1	4.86
NORTHEAST II	49.1	34.9	39.7	4.96
APPALACHIAN I	34.0	31.3	33.8	4.74
APPALACHIAN II	33.0	26.7	38.8	4.29
SOUTHEAST	33.5	30.6	32.1	4.23
FLORIDA	31.5	33.0	31.5	5.19
LAKE	53.7	36.5	37.8	4.41
CORNBELT I	45.4	36.3	38.9	5.39
CORNBELT II	53.2	41.9	40.6	4.83
DELTA	41.1	32.2	44.3	4.09
NORTHERN PLAINS:	55.8	43.2	42.2	4.69
SOUTHERN PLAINS:	36.4	32.7	41.5	4.76
MOUNTAIN I	57.6	37.9	48.4	4.09
MOUNTAIN II	48.3	32.5	44.6	4.74
MOUNTAIN III	39.0	34.7	46.7	5.13
PACIFIC	37.1	38.7	41.2	5.45
CALIFORNIA	35.2	34.9	40.9	5.99
HAWAII	29.6	31.4	38.4	7.96
U. S.	45.5	36.4	39.5	5.00

WAGE RATES FOR HIRED WORKERS, BY STATES AND REGIONS, APRIL 10-16, 1988 1/

STATE AND REGION 2/	TYPE OF WORKER					METHOD OF PAY		
	FIELD	LIVESTOCK	LIVESTOCK	VISORY	OTHER	HOURLY	PIECE RATE	OTHER
DOLLARS PER HOUR								
NORTHEAST I	5.23	3.97	4.57	7.54	6.53	4.92	3/	4.75
NORTHEAST II	4.78	4.28	4.58	7.76	6.87	4.92	3/	5.02
APPALACHIAN I	4.34	5.02	4.52	7.71	3/	4.48	3/	5.67
APPALACHIAN II	3.78	4.33	4.06	7.88	6.08	4.21	3/	4.64
SOUTHEAST	3.90	4.31	4.04	6.66	3/	4.32	3/	4.13
FLORIDA	4.67	5.24	4.71	8.84	8.75	4.53	5.70	6.85
LAKE	4.67	3.63	4.21	7.12	3/	4.54	3/	4.19
CORNBELT I	5.01	4.67	4.92	7.58	5.65	5.31	3/	5.53
CORNBELT II	4.29	4.77	4.51	7.82	5.72	4.55	3/	5.83
DELTA	3.77	4.59	3.94	6.05	3/	3.87	3/	4.71
NORTHERN PLAINS	4.80	4.37	4.61	5.44	5.03	4.77	3/	4.51
SOUTHERN PLAINS	4.55	4.73	4.60	7.83	3/	4.64	3/	4.88
MOUNTAIN I	4.18	3.78	4.01	4.59	3/	4.54	3/	3.80
MOUNTAIN II	4.48	4.57	4.53	7.29	3/	4.89	3.38	4.73
MOUNTAIN III	4.92	4.59	4.79	7.97	3/	5.02	5.85	4.97
PACIFIC	5.01	5.42	5.08	7.99	3/	5.18	4.25	6.65
CALIFORNIA	5.43	6.14	5.55	10.50	3/	5.21	6.50	8.20
HAWAII	7.40	3/	7.34	11.90	8.25	7.49	3/	10.60
U. S.	4.76	4.51	4.69	7.85	6.64	4.78	5.84	5.32

1/ EXCLUDES AGRICULTURAL SERVICE WORKERS.

2/ REGIONS CONSIST OF THE FOLLOWING:

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.

3/ INSUFFICIENT DATA.

WORKERS ON FARMS, BY STATES AND REGIONS, JULY 12-18, 1987 1/

STATE AND REGION 2/	ALL FARM WORKERS	SELF- EMPLOYED	UNPAID	HIRED		
				NUMBER OF WORKERS	EXPECTED TO BE EMPLOYED	
					150 DAYS OR MORE	149 DAYS OR LESS
THOUSANDS						
NORTHEAST I	126	38	19	69	41	28
NORTHEAST II	163	62	28	73	48	25
APPALACHIA I	151	58	28	65	27	38
APPALACHIA II	169	98	28	43	18	25
SOUTHEAST	136	47	16	73	34	39
FLORIDA	60	16	5	39	33	6
LAKE	412	175	105	132	57	75
CORNBELT I	338	168	64	106	47	59
CORNBELT II	257	138	65	54	28	26
DELTA	144	63	25	56	35	21
NORTH PLAINS	279	151	67	61	34	27
SOUTH PLAINS	303	164	49	90	68	22
MOUNTAIN I	96	36	19	41	20	21
MOUNTAIN II	78	30	17	31	17	14
MOUNTAIN III	55	10	23	22	17	5
PACIFIC	150	43	20	87	35	52
CALIFORNIA	278	54	8	216	136	80
HAWAII	16	3	1	12	11	1
U. S.	3211	1354	587	1270	706	564

HOURS WORKED PER WEEK AND WAGE RATES FOR ALL HIRED WORKERS,  
BY STATES AND REGIONS, JULY 12-18, 1987 1/

STATE AND REGION 2/	HOURS WORKED			WAGE RATES FOR ALL HIRED WORKERS
	SELF- EMPLOYED	UNPAID	HIRED	
	HOURS			
NORTHEAST I	56.6	42.5	43.1	4.62
NORTHEAST II	50.9	37.4	35.0	5.36
APPALACHIA I	38.9	39.4	30.2	4.20
APPALACHIA II	35.3	32.5	35.0	4.00
SOUTHEAST	39.7	35.9	28.3	4.03
FLORIDA	30.8	36.4	38.4	5.29
LAKE	56.8	41.0	33.1	4.32
CORNBELT I	42.0	34.9	28.6	5.02
CORNBELT II	49.7	38.4	31.4	4.53
DELTA	42.3	32.9	39.9	4.04
NORTH PLAINS	60.1	44.9	44.3	4.53
SOUTH PLAINS	39.3	33.8	43.1	4.28
MOUNTAIN I	56.8	40.9	44.4	4.04
MOUNTAIN II	64.7	48.3	49.0	4.30
MOUNTAIN III	48.4	43.8	54.3	4.34
PACIFIC	45.4	39.5	42.6	5.06
CALIFORNIA	34.7	40.9	41.7	5.96
HAWAII	29.1	28.0	38.1	8.21
U. S.	47.1	39.0	37.9	4.78



WAGE RATES FOR HIRED WORKERS, BY STATES AND REGIONS, JULY 12-18, 1987 1/

STATE AND REGION 2/	TYPE OF WORKER					METHOD OF PAY		
	FIELD	LIVESTOCK	LIVESTOCK	SUPERVISORY	OTHER	HOURLY	PIECE RATE	OTHER
DOLLARS PER HOUR								
NORTHEAST I	4.59	3.90	4.34	6.67	3/	4.88	3/	3.97
NORTHEAST II	5.13	4.17	4.91	8.10	7.39	4.92	8.09	5.75
APPALACHIAN I	3.84	4.51	3.97	8.13	3/	3.90	3/	5.31
APPALACHIAN II	3.69	4.17	3.89	6.61	3/	3.79	3/	4.87
SOUTHEAST	3.63	4.43	3.87	7.06	4.86	3.93	4.46	4.39
FLORIDA	4.51	5.17	4.62	9.23	6.70	4.62	4.89	7.45
LAKE	4.51	3.69	4.17	7.01	3/	4.47	4.50	3.89
CORNBELT I	4.77	4.68	4.74	7.46	3/	4.75	3/	5.80
CORNBELT II	4.00	4.70	4.22	8.18	3/	4.35	3/	5.28
DELTA	3.83	4.10	3.90	6.39	3/	3.93	3/	4.41
NORTHERN PLAINS	4.35	4.32	4.34	6.54	5.44	4.67	5.54	4.27
SOUTHERN PLAINS	3.90	4.23	4.02	7.47	3/	3.90	3/	4.97
MOUNTAIN I	4.03	3.58	3.94	5.37	3/	3.98	4.74	3.92
MOUNTAIN II	4.31	3.67	4.15	6.09	3/	4.41	3/	4.17
MOUNTAIN III	4.07	4.09	4.07	6.56	3/	4.13	3/	4.90
PACIFIC	4.90	5.37	4.94	7.34	3/	4.96	4.63	5.73
CALIFORNIA	5.54	5.93	5.58	10.10	3/	5.39	6.60	8.25
HAWAII	7.93	3/	7.82	11.24	7.88	7.72	3/	10.71
U. S.	4.60	4.29	4.52	7.79	6.40	4.59	5.54	5.11

1/ EXCLUDES AGRICULTURAL SERVICE WORKERS.

2/ REGIONS CONSIST OF THE FOLLOWING:

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.

3/ INSUFFICIENT DATA.

WAGE RATES OF FIELD AND LIVESTOCK WORKERS, BY TYPE OF FARM,  
48 STATES, WITH COMPARISONS 1/

REGIONS 2/	JULY 12-18, 1987				JULY 10-16, 1988			
	FIELD: CROPS:	OTHER: CROPS:	L' STK &: POULTRY:	ALL : FARMS:	FIELD: CROPS:	OTHER: CROPS:	L' STK &: POULTRY:	ALL : FARMS:
	PERCENT OF ALL FARMS							
NORTHEAST	4.48	5.26	3.93	4.61	5.00	4.93	4.11	4.63
APPALACHIAN	3.49	4.55	4.18	3.93	3.79	4.48	4.46	4.09
SOUTHEAST	3.66	4.39	4.43	4.16	3.72	4.63	4.80	4.39
LAKE	4.08	5.10	3.72	4.17	4.61	4.45	3.58	4.00
CORNBELT	4.26	5.49	4.49	4.55	4.50	5.21	4.61	4.60
DELTA	3.80	3.67	4.15	3.90	3.91	4.12	3.53	3.79
NORTHERN PLAINS	4.47	4.84	4.13	4.34	4.83	5.20	4.21	4.66
SOUTHERN PLAINS	3.84	4.17	4.16	4.02	3.86	3.78	4.72	4.26
MOUNTAIN	4.16	3.65	3.94	4.04	4.37	4.14	4.20	4.27
PACIFIC	4.59	5.52	5.52	5.35	5.10	5.07	6.34	5.24
48 STATES	4.09	5.18	4.21	4.49	4.37	4.88	4.46	4.57

1/ FIELD AND LIVESTOCK WORKERS COMBINED. EXCLUDES AGRICULTURAL SERVICE WORKERS.

WAGE RATES OF ALL HIRED WORKERS, BY ECONOMIC CLASS OF FARM,  
48 STATES, WITH COMPARISONS 1/

REGIONS 2/	JULY 12-18, 1987				JULY 10-16, 1988					
	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	5.46	3.56	4.01	5.65	4.97	5.09	4.70	4.69	5.22	4.98
APPAL.	3.73	3.65	3.87	4.89	4.11	3.55	4.04	4.12	4.69	4.25
S. EAST	3.96	3.49	4.08	5.08	4.55	4.23	3.77	4.44	5.35	4.77
LAKE	4.57	3.35	4.01	5.22	4.32	4.04	3.71	3.64	4.97	4.22
CORNBELT	3.90	4.36	4.66	5.44	4.84	3.86	4.58	4.93	5.16	4.84
DELTA	4.18	3.55	3.83	4.29	4.04	4.24	3.34	3.95	4.47	3.99
N. PLAINS	4.13	4.68	4.19	4.89	4.53	4.34	4.60	4.54	5.11	4.78
S. PLAINS	3.72	3.64	4.07	4.92	4.28	4.39	4.37	4.13	5.20	4.66
MOUNT	3.73	4.11	4.33	4.28	4.20	4.79	4.17	4.26	4.66	4.53
PACIFIC	4.99	5.33	5.27	5.86	5.65	4.78	4.86	5.09	5.87	5.62
48 STATES	4.26	4.02	4.37	5.33	4.75	4.43	4.23	4.44	5.34	4.87

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.

DISTRIBUTION OF FIELD AND LIVESTOCK WORKERS, BY TYPE OF FARM,  
48 STATES, WITH COMPARISONS 1/

TYPE OF FARM	JUL 12-18, 1987	APR 10-16, 1988	JUL 10-16, 1988
PERCENT OF FIELD AND LIVESTOCK WORKERS 2/			
FIELD CROPS	35	25	35
OTHER CROPS	33	39	34
LIVESTOCK, DAIRY, & POULTRY	32	36	31
	100.0	100.0	100.0

1/ 48 STATES, EXCLUDING ALASKA AND HAWAII.

2/ FIELD AND LIVESTOCK WORKERS COMBINED. EXCLUDES AGRICULTURAL SERVICE WORKERS.

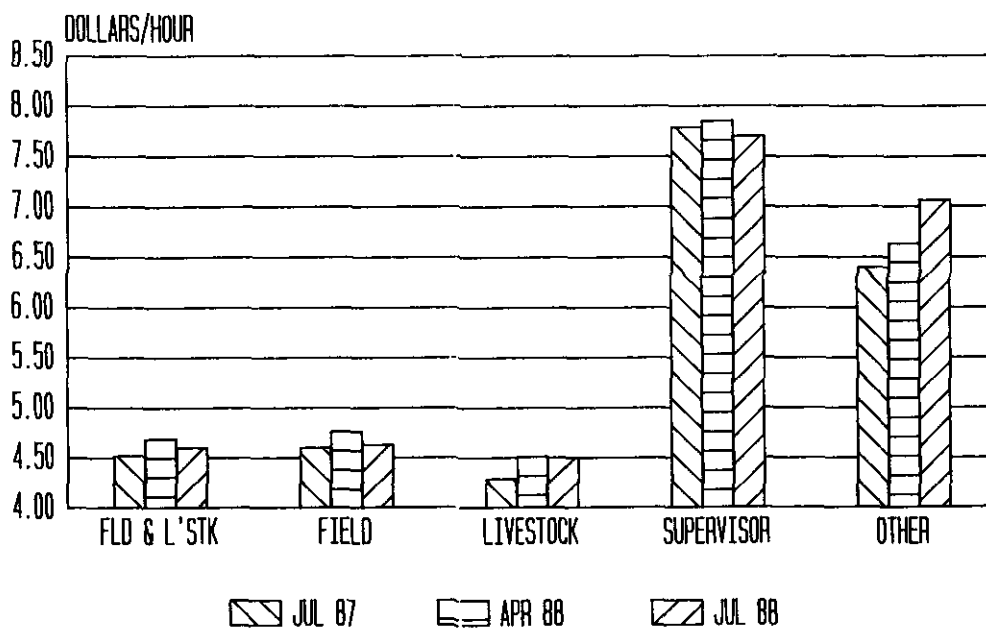
DISTRIBUTION OF HIRED WORKERS, BY ECONOMIC CLASS OF FARM,  
48 STATES, WITH COMPARISONS 1/

GROSS VALUE OF SALES	JUL 12-18, 1987	APR 10-16, 1988	JUL 10-16, 1988
PERCENT OF HIRED WORKERS 2/			
LESS THAN \$40,000	19	10	19
\$40,000-\$99,999	19	15	16
\$100,000-\$249,999	20	22	21
\$250,000 AND OVER	42	53	44
	100.0	100.0	100.0

1/ 48 STATES, EXCLUDING ALASKA AND HAWAII.

2/ EXCLUDES AGRICULTURAL SERVICE WORKERS.

U.S. WAGE RATES BY TYPE OF WORKER



DISTRIBUTION OF HIRED WORKERS ON FARMS, UNITED STATES,  
JULY 10-16, 1988, WITH COMPARISONS 1/

CATEGORY	JUL 12-18, 1987	APR 10-16, 1988	JUL 10-16, 1988
PERCENT OF HIRED WORKERS			
EMPLOYED ON FARMS HIRING:			
1 WORKER	13	16	14
2 WORKERS	12	12	11
3-6 WORKERS	26	23	25
7-10 WORKERS	10	8	8
11 AND OVER WORKERS	39	41	42
	100.0	100.0	100.0
PAYMENT METHOD:			
HOURLY	71	69	68
PIECE-RATE	9	6	10
OTHER METHODS	20	25	22
	100.0	100.0	100.0
PERQUISITES:			
WAGES ONLY	55	55	56
BONUS	4	4	4
ROOM AND BOARD	8	8	8
HOUSING	12	13	15
MEALS OR FOOD	7	6	5
OTHER PERQUISITES	14	14	12
	100.0	100.0	100.0

1/ EXCLUDES AGRICULTURAL SERVICE WORKERS.

NUMBER OF FARMS AND EXPENDITURES FOR HIRED WORKERS, UNITED STATES 1/

ITEM	1986	1987
NUMBER OF FARMS HIRING WORKERS	813,565	756,973
	1,000 DOLLARS	
TOTAL EXPENDITURES FOR FARM LABOR	9,913,473	10,002,907
CASH WAGES	8,051,343	7,886,085
CONTRACT LABOR	845,716	1,097,454
INSURANCE & RETIREMENT PLANS	322,800	250,238
FICA & OTHER COMPENSATION TAXES	693,613	769,130
FRINGE BENEFITS - CASH VALUE 2/ BOARD, HOUSING, ETC.	458,363	502,472
TRANS, FOOD, FUELS & UTILITIES	339,323	305,799
	119,040	196,672

1/ ANNUAL DATA FROM THE FARM COST AND RETURNS SURVEY, NASS, USDA, JULY 1987.

2/ NOT INCLUDED IN TOTAL EXPENDITURES FOR FARM LABOR.

AGRICULTURAL SERVICES

Crew leaders and custom crews provided 303,000 workers for the Nation's farms and ranches during the week of July 10-16, 1988. This number is an increase of 45,000 workers (17 percent) from July 1987. Service workers in California totaled 52,000, unchanged from the previous year. Florida's number increased to 2,800 workers compared with 2,200 the previous year.

The average wages received by agricultural service workers in California and Florida were \$5.74 and \$5.19 per hour, respectively. Comparable wages for the same time period a year earlier were \$6.48 in California and \$5.13 in Florida.

AGRICULTURAL SERVICES: WORKERS, HOURS WORKED, AND WAGE RATES,  
CALIFORNIA, FLORIDA, AND UNITED STATES 1/

ITEM	JUL 12-18, 1987			APR 10-16, 1988			JUL 10-16, 1988		
	CALIF	FLA	US	CALIF	FLA	US	CALIF	FLA	US
	THOUSANDS								
NUMBER OF WORKERS WORKING ON FARMS	52.0	2.2	258.0	38.0	7.0	224.0	52.0	2.8	303.0
	HOURS 2/								
HOURS WORKED	40.7	37.4	-	36.4	30.1	-	37.6	43.0	-
	DOLLARS PER HOUR 2/								
WAGE RATES 3/	6.48	5.13	-	5.68	6.15	-	5.74	5.19	-
METHOD OF PAY									
HOURLY	5.97	4.52	-	5.20	5.19	-	5.20	4.60	-
PIECE-RATE	6.75	4.39	-	6.43	6.54	-	6.56	4/	-
TYPE OF WORK									
FIELD	6.08	4.44	-	5.26	5.81	-	5.50	4.70	-

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/ PERQUISITES SUCH AS ROOM AND BOARD, HOUSING, ETC., ARE PROVIDED SOME WORKERS BUT THE VALUES ARE NOT INCLUDED IN THE WAGE RATES. 4/ INSUFFICIENT DATA.

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 \* \*  
 \* The next issue of this report will be published November 14, 1988 \*  
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