
Farm Labor



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Agricultural
Statistics
Board

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NUMBER OF WORKERS UP, WAGE RATES INCREASE

There were 3.80 million people working on the Nation's farms and ranches during the week of July 9 - 15, 1989, according to the Agricultural Statistics Board. This number was up 8 percent from the 3.52 million workers during the comparable week in 1988. Self-employed farm operators accounted for 1.63 million of the total, along with 623,000 unpaid workers, and 1.20 million workers hired directly by farm operators. Agricultural service employees made up the remaining 351,000 workers.

Farm operators paid their hired workers an average rate of \$5.23 per hour during the July 1989 survey week. This rate was up 33 cents from a year earlier. Workers paid on an hourly basis earned \$5.08 per hour compared with \$4.72 last July. Field workers received an average of \$4.96 per hour, up 33 cents from the July 1988 week. Livestock workers earned \$4.79 compared with \$4.50 per hour a year earlier.

Self-employed farm operators worked an average of 41.7 hours, 2.7 hours less than the comparable week in 1988. Unpaid workers averaged 38.4 hours, 1.1 hours above last year. Hired employees worked 39.6 hours compared with 37.4 hours last July.

Benefits, such as housing and meals, were provided to 45 percent of the hired workers during the survey week. This compares with 44 percent during the July 1988 survey week. Data from the Farm Costs and Returns Survey showed that the value of benefits including insurance and retirement, FICA and other compensation, taxes, housing, and non-cash perquisites represented 17 percent of the total farm and ranch expenditures for farm labor in 1988. This percent compares with 15 percent in 1987.

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FARM ACTIVITIES DURING SURVEY WEEK

Thunderstorms prevailed in the Delta and much of the eastern United States during the week of July 9-15, 1989. Less than 3 days were suitable for fieldwork in many of these States. Winter wheat was 71 percent harvested, 6 percentage points behind the 5-year average. Harvest lagged behind normal in nearly all of the 20 major producing States. Peach harvest continued along the east coast. Pear, table grape, vegetable, and melon harvests were active in California. Fruit and vegetable harvests neared completion in Arizona. Cherry and caneberry harvesting continued in Oregon and Washington. Onion and potato harvests were active on the Texas High Plains.

SOURCE AND RELIABILITY OF ESTIMATES

Changes in farm labor survey procedures were made which increased coverage of farms with annual gross value of sales less than \$10,000. This increased the number of self-employed farm operators. The change had minimal effect on number of hired workers which are mostly employed by larger farms.

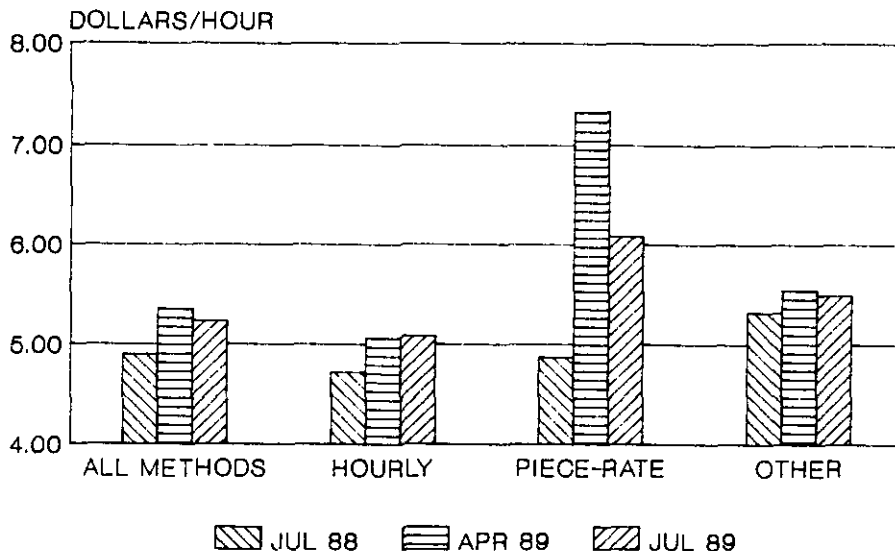
The estimates of agricultural labor are based on multiple frame probability surveys. The surveys utilize two sampling frames -- a list frame and an area frame. The list sample is a stratified random sample of producers likely to have hired farm workers. A probability sample from the area frame is used 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 2.0 and 7.0 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 3.5 percent at the U.S. level. The relative sampling error for hourly paid workers was 4.4 percent and 3.7 percent for the combined field and livestock worker wage rate.

Sampling errors for wage rates published by type of farm and economic class of farm ranged between 4.0 and 6.0 percent at the regional level.

U.S. WAGE RATES BY METHOD OF PAY



FARM LABOR: EMPLOYMENT, WAGE RATES AND INDEXES, UNITED STATES

ITEM	FARM EMPLOYMENT		
	JUL 10-16, 1988	APR 9-15, 1989	JUL 9-15, 1989
	THOUSANDS		
FARM WORKERS	3,218	2,607	3,448
SELF-EMPLOYED	1,427	1,354	1,628
UNPAID	591	423	623
HIRED	1,200	830	1,197
EXPECTED TO BE EMPLOYED			
150 DAYS OR MORE	679	620	695
149 DAYS OR LESS	521	210	502
AGRICULTURAL SERVICE WORKERS WORKING ON FARMS	303	198	351
TOTAL FARM & SERVICE WORKERS	3,521	2,805	3,799
INDEXES- SEASONALLY ADJUSTED			
1910-14=100			
ALL FARM WORKERS	19	21	20
HIRED WORKERS	22	26	22
1977=100			
ALL FARM WORKERS	64	69	68
HIRED WORKERS	63	74	63
	FARM WAGE RATES 1/ 2/		
	JUL 10-16, 1988	APR 9-15, 1989	JUL 9-15, 1989
	DOLLARS PER HOUR		
ALL HIRED FARM WORKERS	4.90	5.35	5.23
METHOD OF PAY			
HOURLY	4.72	5.06	5.08
PIECE-RATE	4.87	7.31	6.08
OTHER	5.32	5.54	5.49
TYPE OF WORKER			
FIELD & LIVESTOCK COMBINED	4.60	5.00	4.92
FIELD	4.63	5.14	4.96
LIVESTOCK	4.50	4.71	4.79
SUPERVISORY	7.70	7.99	7.98
OTHER	7.06	7.26	7.53
INDEXES- SEASONALLY ADJUSTED			
ALL HIRED WORKERS			
1910-14=100	3,399	3,561	3,628
1977=100	179	187	191

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.

WORKERS ON FARMS, JULY 9-15, 1989 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	130	47	26	57	40	17
NORTHEAST II	168	69	39	60	44	16
APPALACHIAN I	177	84	22	71	29	42
APPALACHIAN II	234	150	36	48	24	24
SOUTHEAST	178	87	21	70	38	32
FLORIDA	71	22	2	47	39	8
LAKE	397	190	100	107	49	58
CORNBELT I	359	206	81	72	37	35
CORNBELT II	269	151	57	61	24	37
DELTA	152	80	15	57	36	21
NORTHERN PLAINS	302	160	76	66	25	41
SOUTHERN PLAINS	266	160	43	63	49	14
MOUNTAIN I	102	44	25	33	20	13
MOUNTAIN II	84	32	22	30	23	7
MOUNTAIN III	53	11	24	18	15	3
PACIFIC	186	69	21	96	40	56
CALIFORNIA	305	63	12	230	153	77
HAWAII	15	3	1	11	10	1
U. S.	3,448	1,628	623	1,197	695	502

HOURS WORKED PER WEEK AND WAGE RATES FOR ALL HIRED WORKERS, JULY 9-15, 1989 1/

STATE AND REGION 2/	HOURS WORKED			WAGE RATES FOR ALL HIRED WORKERS
	SELF-EMPLOYED	UNPAID	HIRED	
HOURS				DOLLARS PER HOUR
NORTHEAST I	55.4	47.0	43.8	5.11
NORTHEAST II	44.1	37.1	39.3	5.27
APPALACHIAN I	33.7	35.3	37.2	4.30
APPALACHIAN II	27.4	28.7	32.5	4.69
SOUTHEAST	27.8	40.5	31.4	4.50
FLORIDA	26.3	32.0	39.7	5.53
LAKE	53.7	40.2	39.3	4.57
CORNBELT I	41.5	35.3	34.8	4.84
CORNBELT II	43.8	36.2	27.0	5.19
DELTA	29.6	30.1	38.1	4.33
NORTHERN PLAINS	55.0	41.1	36.0	5.13
SOUTHERN PLAINS	38.5	39.7	44.8	4.94
MOUNTAIN I	54.9	44.9	49.5	4.69
MOUNTAIN II	57.6	36.4	48.6	4.47
MOUNTAIN III	46.6	44.6	52.9	4.94
PACIFIC	32.5	42.8	41.7	5.18
CALIFORNIA	39.3	32.4	44.0	6.42
HAWAII	32.9	27.5	38.6	8.64
U. S.	41.7	38.4	39.6	5.23

WAGE RATES FOR HIRED WORKERS, JULY 9-15, 1989 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	5.19	4.33	4.82	7.16	3/	5.35	4.71	4.71
NORTHEAST II	5.00	4.46	4.93	8.26	6.75	5.20	3/	5.55
APPALACHIAN I	4.03	4.58	4.15	6.40	3/	4.08	3/	5.07
APPALACHIAN II	4.43	4.69	4.54	6.68	3/	4.65	3/	4.84
SOUTHEAST	4.24	4.50	4.29	7.81	3/	4.07	6.69	4.92
FLORIDA	4.88	5.21	4.93	9.42	7.59	4.89	5.73	7.55
LAKE	4.37	4.21	4.31	7.01	3/	4.77	3/	4.08
CORNBELT I	4.53	5.17	4.68	6.80	3/	4.58	3/	5.52
CORNBELT II	5.20	4.85	5.12	6.42	5.12	4.99	3/	5.50
DELTA	4.14	4.10	4.13	6.21	3/	4.02	4.66	4.98
NORTHERN PLAINS	5.10	4.53	5.03	7.14	3/	4.89	8.48	4.66
SOUTHERN PLAINS	4.47	4.88	4.65	8.55	3/	4.79	3/	5.18
MOUNTAIN I	4.67	4.28	4.57	5.60	3/	4.70	6.39	4.41
MOUNTAIN II	4.03	4.81	4.38	4.85	3/	4.91	3.25	4.11
MOUNTAIN III	4.13	4.63	4.29	8.40	6.87	4.52	3/	5.69
PACIFIC	4.71	6.02	4.86	8.19	8.48	5.04	4.59	6.26
CALIFORNIA	5.90	6.58	5.96	10.80	9.07	5.95	7.65	9.19
HAWAII	8.02	3/	7.94	12.69	8.51	7.98	3/	11.52
U. S.	4.96	4.79	4.92	7.98	7.53	5.08	6.08	5.49

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, APRIL 9-15, 1989 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	92	36	15	41	32	9
NORTHEAST II	132	64	35	33	29	4
APPALACHIAN I	96	49	15	32	21	11
APPALACHIAN II	165	108	24	33	18	15
SOUTHEAST	114	52	11	51	37	14
FLORIDA	74	19	4	51	40	11
LAKE	284	161	65	58	45	13
CORNBELT I	249	152	41	56	41	15
CORNBELT II	214	137	39	38	29	9
DELTA	129	74	14	41	34	7
NORTHERN PLAINS	232	139	51	42	36	6
SOUTHERN PLAINS	258	163	37	58	45	13
MOUNTAIN I	86	46	15	25	18	7
MOUNTAIN II	64	28	10	26	20	6
MOUNTAIN III	50	12	23	15	13	2
PACIFIC	128	60	11	57	36	21
CALIFORNIA	227	52	12	163	117	46
HAWAII	13	2	1	10	9	1
U. S.	2,607	1,354	423	830	620	210

HOURS WORKED PER WEEK AND WAGE RATES FOR ALL HIRED WORKERS, APRIL 9-15, 1989 1/

STATE AND REGION 2/	HOURS WORKED			WAGE RATES FOR ALL HIRED WORKERS
	SELF-EMPLOYED	UNPAID	HIRED	
HOURS				
DOLLARS PER HOUR				
NORTHEAST I	53.6	35.9	41.0	5.23
NORTHEAST II	43.1	35.5	41.4	5.52
APPALACHIAN I	28.6	27.8	35.4	4.71
APPALACHIAN II	28.6	32.0	37.2	4.76
SOUTHEAST	32.7	33.3	33.5	4.37
FLORIDA	25.8	28.7	34.3	5.74
LAKE	49.0	34.6	35.3	4.53
CORNBELT I	36.9	34.3	36.9	5.40
CORNBELT II	46.2	33.4	35.4	5.02
DELTA	36.8	37.1	46.6	3.96
NORTHERN PLAINS	50.7	37.4	43.6	5.31
SOUTHERN PLAINS	30.8	30.6	39.7	4.96
MOUNTAIN I	44.4	36.6	49.8	4.35
MOUNTAIN II	46.7	34.2	48.7	5.04
MOUNTAIN III	28.8	30.2	48.6	5.33
PACIFIC	34.8	36.4	38.1	5.52
CALIFORNIA	34.6	37.6	44.5	6.48
HAWAII	30.2	24.6	37.6	8.13
U. S.	39.6	34.1	40.2	5.35

WAGE RATES FOR HIRED WORKERS, APRIL 9-15, 1989 1/

STATE AND REGION 2/	TYPE OF WORKER					METHOD OF PAY		
	FIELD	LIVESTOCK	LIVESTOCK & VISORY	SUPERVISORY	OTHER	HOURLY	PIECE RATE	OTHER
DOLLARS PER HOUR								
NORTHEAST I	5.62	4.28	4.88	7.84	3/	5.45	3/	4.94
NORTHEAST II	5.37	4.77	5.17	8.01	7.17	5.47	6.12	5.51
APPALACHIAN I	4.25	4.41	4.30	8.35	3/	4.38	4.33	5.37
APPALACHIAN II	4.21	4.76	4.47	8.64	5.99	4.70	3/	4.97
SOUTHEAST	4.10	4.22	4.13	6.90	6.62	4.30	4.47	4.52
FLORIDA	5.30	5.02	5.24	8.82	7.35	5.16	6.16	6.71
LAKE	4.80	4.03	4.26	7.14	3/	4.99	3/	4.07
CORNBELT I	5.05	5.06	5.05	7.99	3/	5.03	3/	5.98
CORNBELT II	4.50	5.38	4.86	7.55	3/	4.67	3/	5.67
DELTA	3.95	3.49	3.85	5.61	3/	3.81	3/	4.44
NORTHERN PLAINS	5.13	4.88	5.02	7.23	3/	5.12	3/	5.51
SOUTHERN PLAINS	4.46	4.78	4.62	7.30	3/	4.79	3/	5.07
MOUNTAIN I	4.44	3.74	4.16	5.40	3/	4.64	3/	4.19
MOUNTAIN II	4.60	4.61	4.60	6.40	3/	5.11	3/	4.92
MOUNTAIN III	4.82	5.03	4.90	7.44	7.19	4.63	3/	6.71
PACIFIC	5.15	5.86	5.25	8.47	6.07	5.13	6.24	7.06
CALIFORNIA	5.96	6.40	6.00	10.40	8.50	5.64	7.92	8.62
HAWAII	7.71	3/	7.55	11.84	7.66	7.53	3/	10.81
U. S.	5.14	4.71	5.00	7.99	7.26	5.06	7.31	5.54

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, 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.	3,218	1,427	591	1,200	679	521

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

STATE AND REGION 2/	TYPE OF WORKER						METHOD OF PAY	
	FIELD	LIVESTOCK	LIVESTOCK & VISORY	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 LAKE	4.82	5.08	4.89	8.81	8.10	4.83	3/	7.82
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.

WAGE RATES OF FIELD AND LIVESTOCK WORKERS, BY TYPE OF FARM

REGIONS 2/	JULY 10-16, 1988				JULY 9-15, 1989			
	FIELD: CROPS:	OTHER: CROPS:	L'STK &: POULTRY:	ALL FARMS:	FIELD: CROPS:	OTHER: CROPS:	L'STK &: POULTRY:	ALL FARMS:
	DOLLARS PER HOUR							
NORTHEAST	5.00	4.93	4.11	4.63	5.38	4.68	4.83	4.89
APPALACHIAN	3.79	4.48	4.46	4.09	3.92	5.00	4.60	4.30
SOUTHEAST	3.72	4.63	4.80	4.39	3.81	5.16	4.77	4.56
LAKE	4.61	4.45	3.58	4.00	4.48	4.74	4.11	4.31
CORNBELT	4.50	5.21	4.61	4.60	4.96	4.83	4.72	4.85
DELTA	3.91	4.12	3.53	3.79	4.15	4.01	4.11	4.13
NORTHERN PLAINS	4.83	5.20	4.21	4.66	5.49	4.59	4.25	5.03
SOUTHERN PLAINS	3.86	3.78	4.72	4.26	4.42	4.60	4.84	4.65
MOUNTAIN	4.37	4.14	4.20	4.27	4.50	4.70	4.31	4.44
PACIFIC	5.10	5.07	6.34	5.24	4.62	6.00	6.20	5.64
48 STATES	4.37	4.88	4.46	4.57	4.56	5.47	4.71	4.90

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

WAGE RATES OF ALL HIRED WORKERS, BY ECONOMIC CLASS OF FARM 1/

REGIONS 2/	JULY 10-16, 1988				JULY 9-15, 1989			
	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	5.09	4.70	4.69	5.22	4.98	5.35	5.08	5.10
APPAL.	3.55	4.04	4.12	4.69	4.25	4.34	4.17	4.36
S. EAST	4.23	3.77	4.44	5.35	4.77	4.69	4.71	4.65
LAKE	4.04	3.71	3.64	4.97	4.22	4.73	3.90	4.18
CORNBELT	3.86	4.58	4.93	5.16	4.84	4.29	4.65	4.65
DELTA	4.24	3.34	3.95	4.47	3.99	4.35	4.65	4.15
N. PLAINS:	4.34	4.60	4.54	5.11	4.78	4.60	4.60	4.73
S. PLAINS:	4.39	4.37	4.13	5.20	4.66	4.58	4.30	4.72
MOUNT	4.79	4.17	4.26	4.66	4.53	4.03	4.11	4.12
PACIFIC	4.78	4.86	5.09	5.87	5.62	5.00	4.88	5.52
48 STATES:	4.43	4.23	4.44	5.34	4.87	4.68	4.57	4.69

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 1/

TYPE OF FARM	JUL 10-16, 1988	APR 9-15, 1989	JUL 9-15, 1989
PERCENT OF FIELD AND LIVESTOCK WORKERS 2/			
FIELD CROPS	35	23	32
OTHER CROPS	34	42	39
LIVESTOCK, DAIRY, & POULTRY	31	35	29
	100.0	100.0	100.0

1/ 48 STATES, EXCLUDING ALASKA AND HAWAII.

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

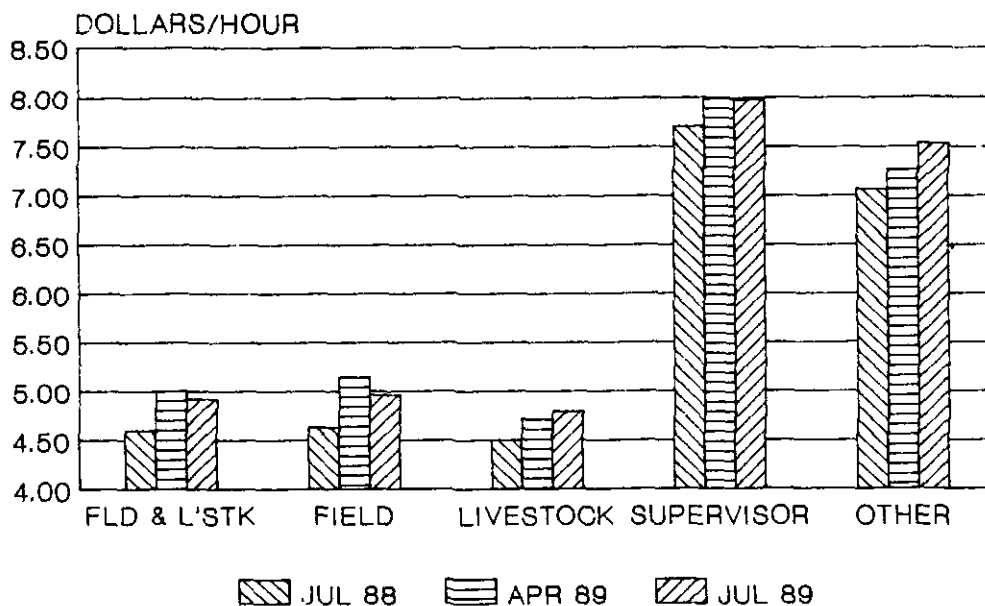
DISTRIBUTION OF HIRED WORKERS, BY ECONOMIC CLASS OF FARM, 48 STATES 1/

GROSS VALUE OF SALES	JUL 10-16 1988	APR 9-15 1989	JUL 9-15 1989
PERCENT OF HIRED WORKERS 2/			
LESS THAN \$40,000	19	17	15
\$40,000-\$99,999	16	12	14
\$100,000-\$249,999	21	21	18
\$250,000 AND OVER	44	50	53
	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 1/

CATEGORY	JUL 10-16, 1988	APR 9-15, 1989	JUL 9-15, 1989
PERCENT OF HIRED WORKERS			
EMPLOYED ON FARMS HIRING:			
1 WORKER	14	17	12
2 WORKERS	11	12	10
3-6 WORKERS	25	24	22
7-10 WORKERS	8	8	9
11 AND OVER WORKERS	42	39	47
	100.0	100.0	100.0
PAYMENT METHOD:			
HOURLY	68	67	73
PIECE-RATE	10	6	7
OTHER METHODS	22	27	20
	100.0	100.0	100.0
BENEFITS: 2/			
HOUSING AND MEALS	8	8	6
HOUSING (NO MEALS)	15	14	13
MEALS (NO HOUSING)	5	7	4
BONUS	4	5	5
OTHER BENEFITS	12	13	17
WAGES ONLY	56	53	55
	100.0	100.0	100.0

1/ EXCLUDES AGRICULTURAL SERVICE WORKERS. 2/ 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.

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

ITEM	1987	1988
NUMBER OF FARMS HIRING WORKERS	756,973	733,504
	1,000 DOLLARS	
TOTAL EXPENDITURES FOR FARM LABOR	10,002,907	10,224,049
CASH WAGES	7,886,085	8,048,845
CONTRACT LABOR	1,097,454	961,226
INSURANCE & RETIREMENT PLANS	250,238	333,136
FICA & OTHER COMPENSATION TAXES	769,130	880,842
FRINGE BENEFITS - CASH VALUE 2/ BOARD, HOUSING, ETC.	502,472	486,246
TRANS, FOOD, FUELS & UTILITIES	305,799	307,962
	196,672	178,284

1/ ANNUAL DATA FROM THE FARM COST AND RETURNS SURVEY, NASS, USDA, JULY 1988

2/ NOT INCLUDED IN TOTAL EXPENDITURES FOR FARM LABOR.

AGRICULTURAL SERVICES

Crew leaders and custom crews provided 351,000 workers for the Nation's farms and ranches during the week of July 9-15, 1989. This number was up 48,000 (16 percent) from a year earlier. Service workers in California numbered 60,000 compared with 52,000 last July. Florida's number decreased to 1,000 this year from 2,800 service workers in July 1988.

The average wages received by agricultural service workers in California and Florida were \$5.80 and \$5.55 per hour, respectively. Comparable wages in July 1988 were \$5.74 in California and \$5.19 in Florida.

AGRICULTURAL SERVICES: WORKERS, HOURS WORKED, AND WAGE RATES 1/

ITEM	: JUL 10-16, 1988			: APR 9-15, 1989			: JUL 9-15, 1989		
	: CALIF	: FLA	: US	: CALIF	: FLA	: US	: CALIF	: FLA	: US
	THOUSANDS								
NUMBER OF WORKERS WORKING ON FARMS	52.0	2.8	303.0	25.0	13.0	198.0	60.0	1.0	351.0
	HOURS 2/								
HOURS WORKED	37.6	43.0	-	36.3	32.3	-	40.3	42.2	-
	DOLLARS PER HOUR 2/								
WAGE RATES 3/	5.74	5.19	-	6.45	6.24	-	5.80	5.55	-
METHOD OF PAY									
HOURLY	5.20	4.60	-	5.39	5.24	-	5.21	5.03	-
PIECE-RATE	6.56	4/	-	7.75	6.39	-	7.65	4/	-
TYPE OF WORK									
FIELD	5.50	4.70	-	6.00	5.87	-	5.56	4.65	-

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.