
Farm Labor



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NUMBER OF WORKERS DOWN, WAGE RATES INCREASE

There were 3.69 million people working on the Nation's farms and ranches during the week of July 8-14, 1990, according to the Agricultural Statistics Board. This number was down 3 percent from the 3.80 million workers during the comparable week in 1989. Self-employed farm operators accounted for 1.62 million of the total, along with 605,000 unpaid workers, and 1.11 million workers hired directly by the farm operators. Agricultural service employees made up the remaining 356,000 workers.

Farm operators paid their workers an average rate of \$5.30 per hour during the July 1990 survey week. This rate was up 7 cents from a year earlier. Workers paid an hourly wage earned \$5.06 compared with \$5.08 last July. Field workers received an average of \$5.05 per hour, up 9 cents from the July 1989 week. Livestock workers earned \$4.90 compared with \$4.79 per hour a year earlier.

Self-employed operators worked an average of 40.7 hours, 1.0 hour less than the comparable week in 1989. Unpaid workers averaged 37.9 hours, 0.5 hour below last year. Hired employees worked 39.9 hours compared with 39.6 hours last July.

Benefits, such as housing and meals, were provided to 43 percent of the hired workers during the survey week. This compares with 45 percent during the July 1989 survey week. The Farm Costs and Returns Survey, conducted in February 1990, showed that the value of Social Security taxes, insurance, and retirement benefits was 12 percent of the \$11.3 billion spent on farm labor during 1989. This compares with 12 percent of the \$10.2 billion labor expenditure in 1988. In addition, workers received housing, food, transportation, and other non-cash benefits during 1989 valued at \$468.7 million.

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FARM ACTIVITIES DURING SURVEY WEEK

Showers and thunderstorms were widespread during the week of July 8-14, 1990 over much of the eastern half of the Nation. Heavy rains and flooding were common in many localities. Less than 4 days were suitable for field work in several Corn Belt States. Winter wheat harvest was 77 percent complete, 2 percentage points behind the 5-year average. Harvest was complete in Kansas and Oklahoma, and nearly complete in Texas. Peach harvest continued ahead of normal in the Delta and Southeast. Tobacco harvest progressed in Georgia and North Carolina. Melon harvest was active in the California San Joaquin Valley. In Oregon, broccoli, lettuce, and snap bean harvests were underway in the Willamette Valley. Raspberry, blueberry, cherry, peach, and vegetable harvests were active in Washington.

SURVEY DESIGN

Estimates in this report were based on a sample survey. Respondents were selected from two sources -- a list sampling frame and an area sampling frame. Farms on the list frame were separated into groups of similar farms and a sample of those likely to have hired workers was selected. This sample covers the larger farms and accounts for about two-thirds of the total hired workers. In an area sampling frame, all farms in the United States have a chance of selection. For the labor survey, a sample of farm operators not accounted for by the list frame was selected. They represent the smaller operations with about one-third of the hired workers. This sampling method assures that all employers are represented by the combined samples.

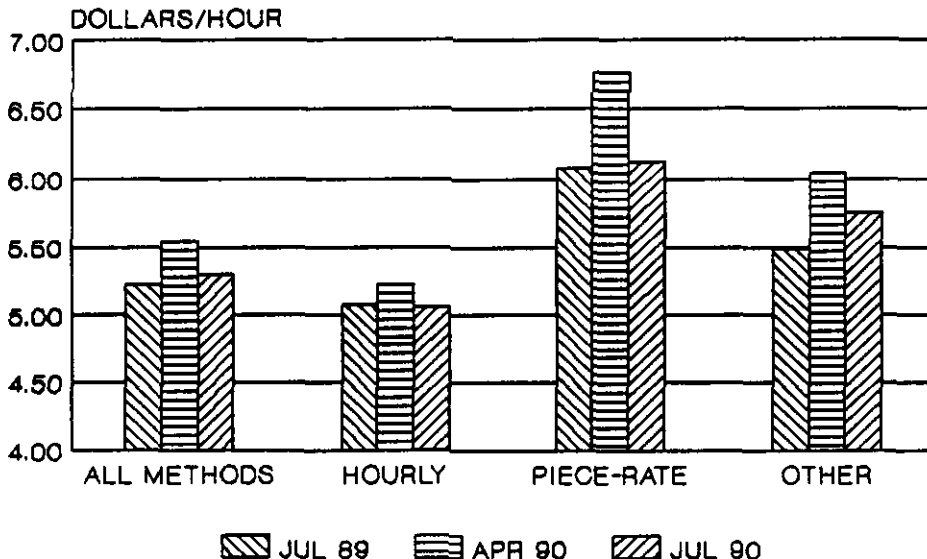
RELIABILITY OF ESTIMATES

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 estimates nineteen times out of twenty.

At the U.S. level, the number of all non-salaried workers and hired workers had relative sampling errors of 2.0 and 3.4 percent, respectively. Relative errors for hired workers ranged between 10 and 20 percent in most regions. The all hired farm worker wage rate had a relative sampling error of 0.9 percent at the U.S. level. The relative sampling error for the hourly wage rate was 1.0 percent and 0.9 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 and 6 percent at the regional level.

U.S. WAGE RATES BY METHOD OF PAY



FARM EMPLOYMENT, WAGE RATES AND INDEXES, UNITED STATES

	JUL 9-15, 1989	APR 8-14, 1990	JUL 8-14, 1990
THOUSANDS			
FARM EMPLOYMENT	3,448	2,761	3,335
SELF-EMPLOYED	1,628	1,501	1,624
UNPAID	623	427	605
HIRED	1,197	833	1,106
EXPECTED TO BE EMPLOYED			
150 DAYS OR MORE	695	637	650
149 DAYS OR LESS	502	196	456
AGRICULTURAL SERVICE WORKERS WORKING ON FARMS	351	203	356
TOTAL FARM & SERVICE WORKERS	3,799	2,964	3,691
DOLLARS PER HOUR			
INDEX - 1977=100			
ALL FARM WORKERS	68	72	66
HIRED WORKERS	63	75	58
WAGE RATES FOR			
ALL HIRED WORKERS 1/ 2/	5.23	5.54	5.30
METHOD OF PAY			
HOURLY	5.08	5.23	5.06
PIECE-RATE	6.08	6.76	6.13
OTHER	5.49	6.05	5.75
TYPE OF WORKER			
FIELD & LIVESTOCK COMBINED	4.92	5.11	5.02
FIELD	4.96	5.20	5.05
LIVESTOCK	4.79	4.94	4.90
SUPERVISORY	7.98	8.94	7.93
OTHER	7.53	7.40	7.32
INDEX - 1977=100			
ALL HIRED WORKERS	191	194	193

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 8-14, 1990 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	119	46	18	55	41	14
NORTHEAST II	160	71	37	52	38	14
APPALACHIAN I	171	78	19	74	26	48
APPALACHIAN II	211	142	31	38	16	22
SOUTHEAST	158	83	13	62	31	31
FLORIDA	66	24	6	36	29	7
LAKE	415	194	105	116	53	63
CORNBELT I	331	190	74	67	41	26
CORNBELT II	256	158	51	47	23	24
DELTA	138	74	19	45	35	10
NORTHERN PLAINS	286	156	79	51	27	24
SOUTHERN PLAINS	306	189	48	69	46	23
MOUNTAIN I	94	48	17	29	21	8
MOUNTAIN II	73	27	17	29	20	9
MOUNTAIN III	54	10	25	19	16	3
PACIFIC	200	59	26	115	33	82
CALIFORNIA	282	72	19	191	144	47
HAWAII	15	3	1	11	10	1
U. S.	3335	1624	605	1106	650	456

HOURS WORKED PER WEEK AND WAGE RATES FOR ALL HIRED WORKERS,
JULY 8-14, 1990 1/

STATE AND REGION 2/	HOURS WORKED			WAGE RATES FOR ALL HIRED WORKERS
	SELF- EMPLOYED	UNPAID	HIRED	
HOURS				DOLLARS PER HOUR
NORTHEAST I	49.7	39.4	40.1	5.36
NORTHEAST II	38.2	40.8	41.5	5.42
APPALACHIAN I	33.8	35.1	34.8	4.60
APPALACHIAN II	26.2	30.9	29.7	4.98
SOUTHEAST	29.3	35.5	33.5	4.45
FLORIDA	25.2	31.2	37.3	5.87
LAKE	54.3	43.4	32.8	4.96
CORNBELT I	36.7	33.8	34.3	5.49
CORNBELT II	45.4	37.8	35.5	4.86
DELTA	35.6	33.9	41.0	4.59
NORTHERN PLAINS	58.1	42.9	47.7	5.17
SOUTHERN PLAINS	33.8	34.4	44.6	4.61
MOUNTAIN I	51.4	44.6	45.1	4.67
MOUNTAIN II	56.8	37.8	49.2	5.00
MOUNTAIN III	41.6	36.1	48.7	5.13
PACIFIC	37.2	34.7	41.8	5.51
CALIFORNIA	31.6	27.4	45.4	6.18
HAWAII	29.2	33.7	37.1	8.64
U. S.	40.7	37.9	39.9	5.30

WAGE RATES FOR HIRED WORKERS, JULY 8-14, 1990 1/

STATE AND REGION 2/	TYPE OF WORKER					METHOD OF PAY		
	FIELD	LIVESTOCK	LIVESTOCK	VISORY	OTHER	HOURLY	PIECE	OTHER
DOLLARS PER HOUR								
NORTHEAST I	5.38	4.65	5.08	7.48	7.43	5.60	3/	4.95
NORTHEAST II	5.20	4.65	5.03	7.97	6.89	5.34	6.44	5.39
APPALACHIAN I	4.40	4.87	4.48	6.48	3/	4.36	5.41	5.14
APPALACHIAN II	4.75	4.82	4.78	8.28	3/	4.85	3/	5.25
SOUTHEAST	4.10	5.05	4.23	7.43	3/	4.24	3/	5.39
FLORIDA	5.32	5.59	5.36	9.77	7.98	5.48	5.51	6.82
LAKE	5.06	4.26	4.75	6.91	7.36	4.95	6.19	4.84
CORNBELT I	5.18	4.93	5.09	7.19	6.10	5.28	3/	5.79
CORNBELT II	4.49	4.81	4.61	6.09	3/	4.69	3/	5.18
DELTA	4.41	4.30	4.39	8.27	3/	4.28	5.01	5.06
NORTHERN PLAINS	5.05	5.29	5.08	3/	3/	5.24	3/	5.02
SOUTHERN PLAINS	4.32	4.26	4.30	7.36	3/	4.29	3/	5.18
MOUNTAIN I	4.58	4.83	4.69	3/	3/	4.98	3/	4.58
MOUNTAIN II	4.71	4.95	4.77	7.50	3/	4.73	3/	5.48
MOUNTAIN III	4.51	5.16	4.71	7.94	3/	4.79	3/	5.96
PACIFIC	5.25	6.33	5.30	9.19	3/	5.16	5.96	7.42
CALIFORNIA	5.68	6.64	5.78	10.84	3/	5.52	7.52	9.33
HAWAII	7.97	3/	7.88	13.18	3/	8.08	3/	11.45
U. S.	5.05	4.90	5.02	7.93	7.32	5.06	6.13	5.75

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 8-14, 1990 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	102	44	19	39	30	9
NORTHEAST II	128	64	28	36	30	6
APPALACHIAN I	122	68	16	38	23	15
APPALACHIAN II	210	150	26	34	22	12
SOUTHEAST	160	85	14	61	44	17
FLORIDA	76	16	3	57	50	7
LAKE	294	168	62	64	47	17
CORNBELT I	275	168	51	56	41	15
CORNBELT II	215	145	33	37	25	12
DELTA	137	75	12	50	42	8
NORTHERN PLAINS	223	149	43	31	25	6
SOUTHERN PLAINS	266	170	40	56	48	8
MOUNTAIN I	74	38	15	21	15	6
MOUNTAIN II	54	25	7	22	18	4
MOUNTAIN III	50	11	23	16	14	2
PACIFIC	145	69	20	56	35	21
CALIFORNIA	218	54	14	150	120	30
HAWAII	12	2	1	9	8	1
U. S.	2761	1501	427	833	637	196

HOURS WORKED PER WEEK AND WAGE RATES FOR ALL HIRED WORKERS,
APRIL 8-14, 1990 1/

STATE AND REGION 2/	HOURS WORKED			WAGE RATES FOR ALL HIRED WORKERS
	SELF- EMPLOYED	UNPAID	HIRED	
HOURS				
DOLLARS PER HOUR				
NORTHEAST I	46.0	34.8	38.2	5.56
NORTHEAST II	41.2	32.6	39.7	5.49
APPALACHIAN I	33.4	30.0	35.5	4.76
APPALACHIAN II	21.7	30.6	34.9	4.64
SOUTHEAST	27.3	34.2	35.8	4.90
FLORIDA	26.5	31.5	36.5	5.91
LAKE	46.6	38.2	37.8	5.38
CORNBELT I	34.4	29.0	37.1	5.56
CORNBELT II	40.7	34.3	31.1	5.10
DELTA	26.2	32.6	38.1	4.52
NORTHERN PLAINS	47.4	35.3	46.0	5.39
SOUTHERN PLAINS	29.1	28.7	43.4	5.12
MOUNTAIN I	52.5	41.2	49.4	4.84
MOUNTAIN II	45.6	31.4	43.0	5.40
MOUNTAIN III	36.0	32.3	50.8	5.23
PACIFIC	29.6	28.2	41.2	5.79
CALIFORNIA	32.3	32.7	43.8	6.45
HAWAII	33.5	31.0	37.8	8.65
U. S.	35.8	33.0	39.8	5.54

WAGE RATES FOR HIRED WORKERS, APRIL 8-14, 1990 1/

STATE AND REGION 2/	TYPE OF WORKER					METHOD OF PAY		
	FIELD	LIVESTOCK	LIVESTOCK	VISORY	OTHER	HOURLY	PIECE	OTHER
DOLLARS PER HOUR								
NORTHEAST I	5.75	4.94	5.31	7.57	7.63	5.58	3/	5.52
NORTHEAST II	5.45	3.85	4.98	8.59	7.11	5.37	3/	5.70
APPALACHIAN I	4.47	4.54	4.49	9.79	3/	4.39	3/	5.69
APPALACHIAN II	4.33	4.48	4.42	8.24	3/	4.55	3/	4.87
SOUTHEAST	4.31	5.02	4.52	10.01	3/	4.69	3/	5.58
FLORIDA	5.44	4.79	5.33	10.29	8.21	5.32	6.77	7.19
LAKE	5.38	4.84	5.01	7.74	7.30	5.08	3/	5.74
CORNBELT I	4.65	5.21	4.79	9.72	6.97	4.86	3/	7.25
CORNBELT II	5.22	4.77	5.01	6.42	5.55	5.22	3/	4.87
DELTA	4.53	4.02	4.34	7.01	3/	4.59	3/	4.43
NORTHERN PLAINS	5.34	4.74	4.97	8.41	6.46	5.55	4.81	5.27
SOUTHERN PLAINS	4.74	4.87	4.81	7.27	5.89	4.91	3/	5.39
MOUNTAIN I	5.00	4.34	4.71	6.48	3/	5.10	3/	4.62
MOUNTAIN II	5.28	4.93	5.05	7.75	3/	5.39	3/	5.36
MOUNTAIN III	4.74	4.88	4.81	7.75	6.61	4.85	5.85	5.68
PACIFIC	5.28	6.40	5.47	8.36	3/	5.50	6.20	6.69
CALIFORNIA	5.71	6.50	5.85	10.75	9.32	5.71	7.33	8.75
HAWAII	7.98	3/	7.92	12.98	8.36	8.00	3/	12.01
U. S.	5.20	4.94	5.11	8.94	7.40	5.23	6.76	6.05

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 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.	3448	1628	623	1197	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	
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.

WAGE RATES OF FIELD AND LIVESTOCK WORKERS, BY TYPE OF FARM 1/2/

REGIONS 3/	JULY 9-15, 1989				JULY 8-14, 1990			
	FIELD: CROPS:	OTHER: CROPS:	L'STK &: POULTRY:	ALL : FARMS:	FIELD: CROPS:	OTHER: CROPS:	L'STK &: POULTRY:	ALL : FARMS:
	DOLLARS PER HOUR							
NORTHEAST	5.38	4.68	4.83	4.89	5.15	5.57	4.49	5.06
APPALACHIAN	3.92	5.00	4.60	4.30	4.42	4.83	4.72	4.57
SOUTHEAST	3.81	5.16	4.77	4.56	3.98	5.42	5.00	4.66
LAKE	4.48	4.74	4.11	4.31	5.07	5.62	4.15	4.75
CORNBELT	4.96	4.83	4.72	4.85	4.85	5.08	4.76	4.83
DELTA	4.15	4.01	4.11	4.13	4.14	4.94	4.35	4.39
NO PLAINS	5.49	4.59	4.25	5.03	5.12	4.75	5.01	5.08
SO PLAINS	4.42	4.60	4.84	4.65	4.26	4.23	4.35	4.30
MOUNTAIN	4.50	4.70	4.31	4.44	4.58	4.78	4.80	4.73
PACIFIC	4.62	6.00	6.20	5.64	5.70	5.49	6.33	5.61
48 STATES	4.56	5.47	4.71	4.90	4.70	5.39	4.78	5.00

WAGE RATES OF ALL HIRED WORKERS, BY ECONOMIC CLASS OF FARM 2/

REGIONS 3/	JULY 9-15, 1989				JULY 8-14, 1990					
	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	5.35	5.08	5.10	5.29	5.21	5.57	4.35	4.36	6.04	5.39
APPAL.	4.34	4.17	4.36	4.64	4.45	4.47	4.38	4.48	5.32	4.72
S. EAST	4.69	4.71	4.65	5.17	4.97	4.43	4.39	4.95	5.26	5.02
LAKE	4.73	3.90	4.18	5.33	4.57	3.76	4.53	4.18	5.66	4.96
CORNBELT	4.29	4.65	4.65	5.63	4.98	5.83	3.95	4.99	5.47	5.16
DELTA	4.35	4.65	4.15	4.32	4.33	4.28	5.06	4.45	4.59	4.59
N. PLAINS:	4.60	4.60	4.73	6.05	5.13	4.59	5.45	4.59	5.45	5.17
S. PLAINS:	4.68	4.30	4.72	5.29	4.94	4.19	4.27	4.25	5.23	4.61
MOUNT	4.03	4.11	4.12	5.30	4.66	4.60	4.48	4.30	5.30	4.92
PACIFIC	5.00	4.88	5.52	6.34	6.07	5.37	6.43	5.78	5.98	5.94
48 STATES:	4.68	4.57	4.69	5.70	5.20	4.81	4.75	4.72	5.66	5.27

1/ FIELD AND LIVESTOCK WORKERS COMBINED.

2/ EXCLUDES AGRICULTURAL SERVICE WORKERS.

3/ 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 9-15, 1989	APR 8-14, 1990	JUL 8-14, 1990
PERCENT OF FIELD AND LIVESTOCK WORKERS 2/			
FIELD CROPS	32	24	31
OTHER CROPS	39	37	39
LIVESTOCK, DAIRY, & POULTRY	29	39	30
	100.0	100.0	100.0

1/ 48 STATES, EXCLUDING ALASKA AND HAWAII.

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

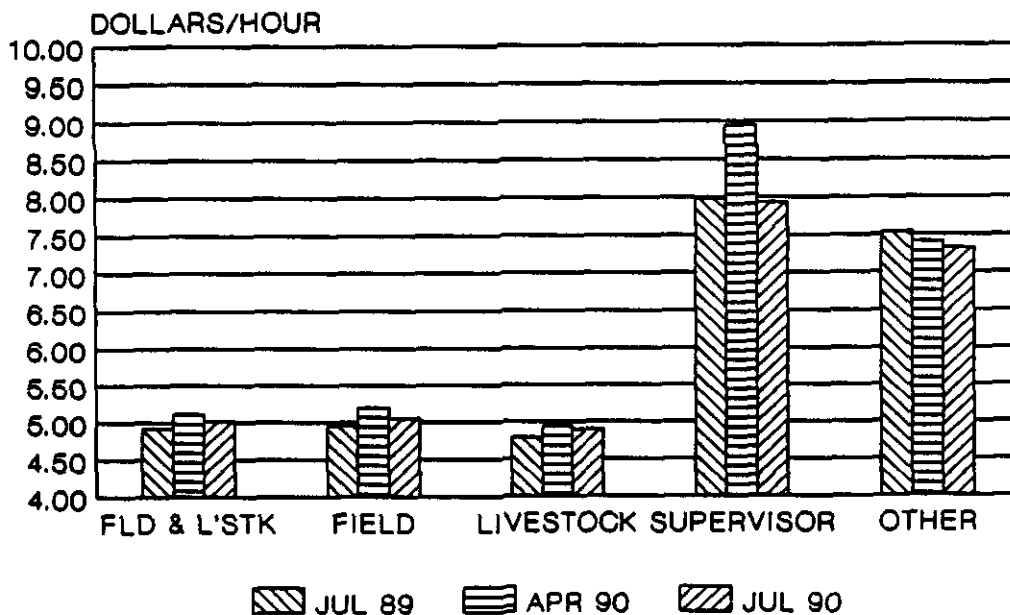
DISTRIBUTION OF HIRED WORKERS, BY ECONOMIC CLASS OF FARM, 48 STATES 1/

GROSS VALUE OF SALES	JUL 9-15, 1989	APR 8-14, 1990	JUL 8-14, 1990
PERCENT OF HIRED WORKERS 2/			
LESS THAN \$40,000	15	10	15
\$40,000-\$99,999	14	17	14
\$100,000-\$249,999	18	18	21
\$250,000 AND OVER	53	55	50
	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	PERCENT OF HIRED WORKERS		
	JUL 9-15, 1989	APR 8-14, 1990	JUL 8-14, 1990
EMPLOYED ON FARMS HIRING:			
1 WORKER	12	17	12
2 WORKERS	10	12	11
3-6 WORKERS	22	24	25
7-10 WORKERS	9	9	10
11 AND OVER WORKERS	47	38	42
	100.0	100.0	100.0
PAYMENT METHOD:			
HOURLY	73	68	72
PIECE-RATE	7	5	7
OTHER METHODS	20	27	21
	100.0	100.0	100.0
BENEFITS: 2/			
HOUSING AND MEALS	6	7	6
HOUSING (NO MEALS)	13	15	15
MEALS (NO HOUSING)	4	4	6
BONUS	5	5	4
OTHER BENEFITS	17	13	12
WAGES ONLY	55	56	57
	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. OTHER BENEFITS INCLUDE TRANSPORTATION, LIFE AND HEALTH INSURANCE, UTILITIES, ETC.

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

ITEM	1988	1989
NUMBER OF FARMS HIRING WORKERS	733,504	771,287
	1,000 DOLLARS	
TOTAL EXPENDITURES FOR FARM LABOR	10,224,049	11,340,182
CASH WAGES	8,048,845	9,032,223
CONTRACT LABOR	961,226	970,189
INSURANCE & RETIREMENT PLANS	333,136	439,834
FICA & OTHER COMPENSATION TAXES	880,842	897,936
BENEFITS - CASH VALUE 2/	486,246	468,746
BOARD, HOUSING, ETC.	307,962	293,513
TRANS, FOOD, FUELS & UTILITIES	178,284	175,233

1/ ANNUAL DATA FROM THE FARM COST AND RETURNS SURVEY, NASS, USDA, JULY 1989.

2/ NOT INCLUDED IN TOTAL EXPENDITURES FOR FARM LABOR.

AGRICULTURAL SERVICES

Crew leaders and custom crews provided 356,000 workers for the Nation's farms and ranches during the week of July 8-14, 1990. Service workers in California numbered 67,000 compared with 60,000 during the July 1989 survey week. Florida's number increased to 4,000 this year from 1,000 service workers last July.

The average wages received by agricultural service workers in California and Florida were \$5.82 and \$6.11 per hour, respectively. Comparable wages in July 1989 were \$5.80 in California and \$5.55 in Florida.

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

ITEM	JUL 9-15, 1989			APR 8-14, 1990			JUL 8-14, 1990		
	CALIF	FLA	US	CALIF	FLA	US	CALIF	FLA	US
	THOUSANDS								
NUMBER OF WORKERS WORKING ON FARMS	60	1	351	48	10	203	67	4	356
	HOURS 2/								
HOURS WORKED	40.3	42.2	-	36.9	31.0	-	37.4	26.8	-
	DOLLARS PER HOUR 2/								
WAGE RATES 3/	5.80	5.55	-	6.59	5.93	-	5.82	6.11	-
METHOD OF PAY									
HOURLY	5.21	5.03	-	5.85	5.14	-	5.40	5.49	-
PIECE-RATE	7.65	4/	-	7.88	6.17	-	7.10	7.30	-
TYPE OF WORK									
FIELD	5.56	4.65	-	6.35	5.61	-	5.49	5.75	-

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.

