

# FARM LABOR

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## FARM LABOR FORCE 7 PERCENT SMALLER THAN LAST YEAR

The total labor force on the Nation's farms during the survey week of July 10-16, 1977 was estimated at 5,045,500 workers, 7 percent fewer than last year. Farm operators plus unpaid family members working 15 hours or more numbered 3,186,900 while hired labor accounted for 1,858,600 workers. Field & livestock workers accounted for 1,398,300 or 75 percent of total hired workers. Field workers totaled 1,182,100 while livestock workers numbered 216,200.

Family members, as a group, averaged 38.6 hours of work for the survey week compared to 37.1 hours a year earlier. Farm operators worked an average of 38.4 hours while unpaid family members put in 39.0 hours. Hired workers averaged 35.5 hours for the week compared to 35.1 a year earlier.

## WAGE RATES ABOVE LAST YEAR

Wage rates for all methods of pay converted to an hourly rate averaged \$2.77 during the survey week. Last year the average was \$2.53 per hour. Hourly workers receiving only cash wages averaged \$2.81 per hour, 29 cents above a year earlier. Wages for field and livestock workers combined averaged \$2.56, up 19 cents from July 1976.

## FIELD AND LIVESTOCK WORKERS ESTIMATED SEPARATELY

Beginning with the July 10-16, 1977 survey separate estimates for field and livestock workers were prepared for the first time. Prior to this time, estimates for livestock and field workers were combined into one total. Separate estimates for maintenance workers and bookkeepers were concluded with the April 10-16, 1977 survey period, and are now included in the "Other worker category."

### FARM LABOR IN ALASKA

The first probability survey of Alaska farm labor was completed in July and is published in this issue. These estimates will be published annual in the August Farm Labor release.

WEATHER DURING WEEK OF JULY 10-16, 1977 GENERALLY FAVORABLE  
FOR FIELD WORK

Harvest of the Nation's winter wheat crop was progressing at a record pace with combining almost completed through Nebraska. Winter wheat harvest was well underway in South Dakota and beginning in Montana, Washington and Oregon. Farmers in the Southern Great Plains were busy working wheat stubble. Harvest of spring wheat was getting underway in North Dakota and Minnesota.

In Texas, farmers were harvesting grain sorghum from south central areas southward. Corn harvest was underway in Florida and few fields in Texas. Farmers were cutting silage & plowing up some drought damaged corn fields in Georgia.

Tobacco harvest was underway in much of the tobacco belt but progressing behind last year. Harvest was behind in all States but lagging the most in Georgia.

Peach harvesting was behind last year in the major southern States but still ahead of average with volume reduced by dry weather. Harvest of early peaches was underway in Virginia, Maryland and New Jersey. Early apples were being harvested in Virginia. Tart and sweet cherry picking was active in New York and Wisconsin and nearing completion in Michigan, Oregon and Washington. Citrus harvest was ending in Florida, California and Arizona.

Harvest of the Nation's summer vegetable crops was active with a wide variety of crops moving to market. Growers in Florida, Arizona, and Texas were preparing land for summer and fall plantings.

Drought conditions over much of the south and western parts of the Nation altered the usual pattern of farming activities. Cattlemen were forced to cull herds in drought hit areas. Poor pasture feed supplies also necessitated supplemental feeding. Poor forage development also slowed hay making activities across much of the south.

SOURCE AND RELIABILITY OF ESTIMATES

Quarterly estimates of Agricultural Labor are based on multiple frame enumerative probability surveys. Two sampling frames are utilized -- a list frame and an area frame. In combination they complement each other for sample efficiency.

The list frame is assembled from various sources and consists of employers of agricultural labor. A random stratified sample is selected from this list for each of the quarterly surveys. Employers expected to have large numbers of workers are sampled more heavily than those with fewer workers.

The area sampling frame is an exhaustive listing of small partitioned units of land which can be sampled. A probability sample from the area frame will provide unbiased estimates for all agricultural workers employed by farm operators. However, this is a less efficient sampling frame than the list because most of the labor is hired by a small proportion of farm operators. Therefore, the area frame is used primarily to estimate for the incompleteness in the list. By using the multiple frame sample, the desirable attributes of both frames are captured.

Estimates based on a sample may differ somewhat from the figures that would have been obtained if a complete enumeration had been taken using the same questionnaires, instructions and enumerators. These differences are the result of sampling variability. In addition, survey estimates are subject to non-sampling errors. These errors are minimized through enumerator training, follow-up interviews, questionnaire design and testing and comprehensive edit procedures.

The standard error is primarily a measure of sampling variability, which is the variations that occur by chance because a sample rather than the whole population is surveyed. Standard errors have been computed from the sample data in terms of relative standard errors; that is, as a percent of the estimate. In conjunction with the associated estimates, the standard error may be used to define confidence intervals or ranges that would include the comparable complete coverage value. The average of all possible samples will fall in the range of one standard error below to one standard error above the complete coverage value two times out of three. The relative standard error of the estimate of hired farm workers during the period July 10-16, 1977 is 3.3 percent at the National level. In terms of numbers, the standard error is 61,300 out of a total of 1,858,600 workers. Chances are approximately two out of three that the complete coverage value would lie between 1,797,300 and 1,919,900 workers. The relative standard error of the estimate of hired workers by regions ranges from 6.4 percent in Region 4 to 14.6 percent in Region 10.

FARM EMPLOYMENT AND INDEXES, JULY 1977 WITH COMPARISONS, UNITED STATES

ITEM	ANNUAL AVERAGE 1975	ANNUAL AVERAGE 1976	JUL 11-17, 1976	APR 10-16, 1977	JUL 10-16, 1977
FARM EMPLOYMENT (THOUSANDS)					
TOTAL	4,342.1	4,375.9	5,438.1	4,126.4	5,045.5
FAMILY LABOR	3,025.5	2,999.2	3,374.7	2,969.1	3,186.9
HIRED LABOR	1,316.6	1,376.7	2,063.4	1,157.3	1,858.6
INDEXES 1/ (1910-T4=100)					
TOTAL	32	32	32	32	30
FAMILY LABOR	30	30	29	30	28
HIRED LABOR	35	37	36	37	34
(1967=100)					
TOTAL	89	89	86	87	82
FAMILY LABOR	83	83	81	83	78
HIRED LABOR	92	97	95	97	89

1/ INDEXES ARE ADJUSTED FOR SEASONAL VARIATION.

FARM WAGE RATES, JULY 1977 WITH COMPARISONS, UNITED STATES

ITEM	ANNUAL AVERAGE 1975	ANNUAL AVERAGE 1976	JUL 11-17, 1976	APR 10-16, 1977	JUL 10-16, 1977
METHOD OF PAY:			DOLLARS PER HOUR		
ALL HIRED FARM WORKERS	2.43	2.66	2.53	2.82	2.77
PAID BY PIECE-RATE	2.96	3.14	2.93	3.50	3.12
PAID BY OTHER THAN PIECE-RATE	2.38	2.61	2.48	2.77	2.74
PAID BY HOUR ONLY 1/	2.39	2.60	2.50	2.78	2.76
PAID CASH WAGES ONLY 2/	2.60	2.81	2.65	3.00	2.93
PAID BY HOUR CASH WAGES ONLY 3/	2.45	2.65	2.52	2.84	2.81
TYPE OF WORK PERFORMED:					
FIELD AND LIVESTOCK WORKERS	2.26	2.47	2.37	2.62	2.56
PACKINGHOUSE WORKERS	2.52	2.80	2.73	2.93	3.17
MACHINE OPERATORS	2.50	2.72	2.66	2.77	2.83
MAINTENANCE AND BOOKKEEPING	3.15	3.45	3.39	3.67	5/
SUPERVISORS	4.00	4.39	4.32	4.64	4.54
OTHER AGRICULTURAL WORKERS	2.76	2.82	5/3.04	5/3.41	5/3.33
INDEXES 4/					
(1910-T4=100)	1,612	1,764	1,804	1,898	1,956
(1967=100)	190	208	213	224	231

1/ MAY INCLUDE PERQUISITES SUCH AS ROOM AND BOARD, INCLUDES ONLY THOSE PAID BY THE HOUR. 2/ DOES NOT INCLUDE PERQUISITES, INCLUDES ALL METHODS OF PAY. 3/ DOES NOT INCLUDE PERQUISITES, INCLUDES ONLY THOSE PAID BY THE HOUR. 4/ INDEXES ARE BASED ON ALL HIRED FARM WORKERS AND ARE ADJUSTED FOR SEASONAL VARIATION. 5/ MAINTENANCE AND BOOKKEEPING COMBINED WITH OTHER AGRICULTURAL WORKERS.

WORKERS ON FARMS JULY 10-16, 1977 WITH COMPARISONS

STATE AND REGION	JULY 11-17, 1976 1/			APR 10-16, 1977 1/			JUL 10-16, 1977		
	TOTAL	FAMILY	HIRED	TOTAL	FAMILY	HIRED	TOTAL	FAMILY	HIRED
	THOUSANDS								
REGION I 2/	93	56	37	81	50	31	96	57	45
N J	34	12	22	20	12	8.0	36	13	23
N Y	130	91	39	98	66	32	116	73	43
REGION II	164	103	61	118	78	40	152	86	66
DEL	6.9	4.0	2.9	6.5	4.2	2.3	7.2	4.3	2.9
MD	39	23	16	31	21	10	36	22	14
PA	165	120	45	131	103	28	162	123	39
VA	125	66	59	87	66	21	72	49	23
W VA	48.5	39	9.5	53	50	3.0	49.3	43	6.3
REGION III	384.4	252	132.4	308.5	244.2	64.3	326.5	241.3	85.2
ALA	108	75	33	93	74	19	91	63	28
FLA	89	31	58	97	31	66	80	35	45
GA	132	72	60	91	49	42	105	56	49
KY	168	127	41	139	115	24	176	133	43
MISS	128	76	52	96	59	37	95	60	35
N C	342	142	200	142	93	49	301	126	175
S C	80	42	38	58	37	21	87	42	45
TENN	165	135	30	135	117	18	148	115	33
REGION IV	1,212	700	512	851	575	276	1,083	630	453
ILL	196	126	70	178	144	34	195	128	67
IND	152	108	44	118	97	21	133	88	45
MICH	146	102	44	93	72	21	135	96	39
MINN	252	182	70	202	172	30	236	177	59
OHIO	193	145	48	162	143	19	179	141	38
WIS	228	166	62	191	145	46	240	176	64
REGION V	1,167	829	338	944	773	171	1,118	806	312
ARK	122	80	42	93	59	34	125	78	47
LA	72	49	23	61	42	19	56	39	17
N MEX	31	21	10	22	16	6.0	34	23	11
OKLA	129	92	37	97	79	18	98	82	16
TEX	273	175	98	250	169	81	284	179	105
REGION VI	627	417	210	523	365	158	597	401	196
IOWA	280	204	76	200	169	31	268	194	74
KANS	116	85	31	85	70	15	114	87	27
MO	213	168	45	201	177	24	167	145	22
NEBR	138	107	31	96	82	14	146	106	40
REGION VII	747	564	183	582	498	84	695	532	163
COLO	72	51	21	52	34	18	65	42	23
MONT	39	27	12	36	28	8.0	41	29	12
N DAK	80	59	21	63	56	7.0	86	71	15
S DAK	77	63	14	75	66	9.0	87	70	17
UTAH	29	19	10	25	18	7.0	28	19	9.0
WYO	20	12	8.0	13	8.0	5.0	17	9.0	8.0
REGION VIII	317	231	86	264	210	54	324	240	84
ARIZ	23.5	8.5	15	22.6	5.3	17.3	21.5	8.0	13.5
CALIF	379	81	298	264	70	194	372	76	296
NEV	6.2	3.2	3.0	5.3	2.6	2.7	5.5	2.6	2.9
REGION IX	408.7	92.7	316	291.9	77.9	214.0	399.0	86.6	312.4
IDAHO	69	36	33	46	28	18	55	28	27
OREG	92	45	47	51	32	19	96	42	54
WASH	157	49	108	66	38	28	104	43	61
REGION X	318	130	188	163	98	65	255	113	142
U S	5,438.1	3,374.7	2,063.4	4,126.4	2,969.1	1,157.3	5,045.5	3,186.9	1,858.6

1/ REVISED. 2/ REGION I: CONN, MAINE, MASS, N H, R I, AND VT.

HIRED FIELD AND LIVESTOCK WORKERS ON FARMS,  
JULY 10-16, 1977 WITH COMPARISONS

STATE AND REGION	:JUL 11-17, 1976 1/:APR 10-16, 1977 1/:		:JUL 10-16, 1977 2/		
	: FIELD AND LIVESTOCK	: FIELD AND LIVESTOCK	: FIELD WORKERS	: LIVESTOCK WORKERS	: FIELD AND LIVESTOCK
THOUSANDS					
REGION I 3/	28	22	30	6.0	36
N J	15	6.8	15	1.3	16.3
N Y	32	28	26	10	36
REGION II	47	34.8	41	11.3	52.3
DEL	2.0	.9	1.7	.4	2.1
MD	11	8.0	6.0	4.0	10
PA	36	18	28	4.0	32
VA	51	17	15	4.0	19
W VA	7.5	1.9	5.1	.6	5.7
REGION III	107.5	45.8	55.8	13.0	68.8
ALA	23	10	13	6.0	19
FLA	38	48	24	5.0	29
GA	47	30	30	7.0	37
KY	33	17	33	3.0	36
MISS	30	17	10	9.0	19
N C	180	33	144	7.0	151
S C	25	13	26	5.0	31
TENN	22	11	22	3.0	25
REGION IV	398	179	302	45	347
ILL	60	20	47	5.0	52
IND	37	16	28	5.0	33
MICH	38	15	28	5.0	33
MINN	59	23	44	8.0	52
OHIO	34	14	27	3.0	30
WIS	47	40	40	16	56
REGION V	275	128	214	42	256
ARK	23	13	25	10	35
LA	13	10	7.0	1.0	8.0
N MEX	7.0	4.0	5.0	3.0	8.0
OKLA	25	16	7.0	3.0	10
TEX	66	41	53	17	70
REGION VI	134	84	97	34	131
IOWA	66	24	56	7.0	63
KANS	21	10	13	4.0	17
MO	37	17	13	4.0	17
NEBR	24	11	22	4.0	26
REGION VII	148	62	104	19	123
COLO	13	15	10	7.0	17
MONT	8.0	6.0	3.0	2.0	5.0
N DAK	12	2.0	7.0	4/	7.0
S DAK	10	8.0	5.0	1.0	6.0
UTAH	8.0	6.0	5.0	3.0	8.0
WYO	6.0	4.0	4.0	2.0	6.0
REGION VIII	57	41	34	15	49
ARIZ	9.0	11.2	7.0	2.0	9.0
CALIF	217	140	192	19	211
NEV	2.3	2.2	1.3	.9	2.2
REGION IX	228.3	153.4	200.3	21.9	222.2
IDAHO	26	10	16	3.0	19
OREG	40	14	43	3.0	46
WASH	90	20	45	3.0	48
REGION X	156	44	104	9.0	113
U S	1,578.8	794.0	1,182.1	216.2	1,398.3

1/ REVISED. 2/ BEGINNING WITH JULY 1977, FIELD AND LIVESTOCK WORKERS WILL BE PUBLISHED SEPARATELY.  
3/ REGION I: CONN, MAINE, MASS, N H, R I, AND VT. 4/ INSUFFICIENT DATA FOR THIS CATEGORY - DATA INCLUDED IN ALL HIRED FARM WORKERS.

HOURS WORKED PER WORKER, JULY 76 AND APRIL 77 (REVISED)

STATE AND REGION	JUL 11-17, 1976				APR 10-16, 1977			
	FARM OPERATOR	OTHER UNPAID FAMILY MEMBERS 1/	ALL FAMILY 1/	HIRED WORKERS	FARM OPERATOR	OTHER UNPAID FAMILY MEMBERS 1/	ALL FAMILY 1/	HIRED WORKERS
HOURS								
REGION I 2/	36.6	36.1	36.4	37.4	33.5	27.3	31.6	36.3
N J	46.5	41.5	44.3	41.3	45.9	32.6	40.3	36.1
N Y	48.6	39.1	43.7	37.9	44.2	35.4	41.2	37.1
REGION II	48.3	39.4	43.8	39.2	44.5	34.7	41.0	36.9
DEL	39.4	35.7	38.5	35.3	41.3	34.7	38.9	39.7
MD	35.1	32.1	34.1	37.5	40.7	36.5	39.4	31.7
PA	47.7	42.6	45.5	43.6	45.6	30.0	39.3	38.1
VA	32.6	36.0	33.4	23.9	28.0	35.9	29.6	36.0
W VA	24.0	31.5	26.5	29.2	30.2	29.2	29.8	30.1
REGION III	37.9	38.8	38.2	32.7	36.2	31.3	33.7	36.1
ALA	23.5	25.3	23.9	31.8	21.2	26.9	22.2	40.0
FLA	25.4	32.8	26.9	36.3	32.0	30.5	31.6	36.6
GA	30.8	27.5	30.0	27.9	32.3	29.5	31.5	28.8
KY	29.4	31.1	29.8	24.5	27.9	27.9	27.9	34.0
MISS	24.9	32.0	26.5	35.4	24.9	25.8	25.0	43.6
N C	30.4	35.1	32.0	18.6	32.7	26.9	31.2	28.2
S C	35.0	34.9	35.0	37.1	34.4	34.5	34.5	32.8
TENN	23.7	34.7	26.4	29.0	21.9	34.3	23.7	36.4
REGION IV	27.6	32.3	28.8	26.4	26.4	29.1	27.0	34.7
ILL	38.6	36.3	37.9	26.6	47.7	38.2	44.7	41.1
IND	32.0	32.3	32.1	31.0	45.7	37.0	42.9	42.0
MICH	42.6	36.4	39.6	34.4	35.4	36.1	35.6	37.7
MINN	49.2	38.9	44.7	35.8	45.3	40.2	43.4	39.9
OHIO	29.3	31.9	30.1	26.8	33.3	28.7	31.6	37.7
WIS	52.5	37.9	46.2	37.9	56.9	38.7	49.7	41.5
REGION V	41.0	36.2	39.1	32.1	44.5	36.5	41.7	40.4
ARK	26.5	36.4	29.2	40.2	28.5	39.6	30.3	45.2
LA	24.5	29.5	25.5	38.2	27.1	32.5	28.0	42.8
N MEX	43.0	35.8	39.9	44.0	31.4	33.0	32.0	49.5
OKLA	35.6	35.7	35.7	40.9	27.4	29.7	28.0	28.4
TEX	29.0	38.7	30.9	41.7	29.8	28.5	29.5	43.5
REGION VI	29.9	36.2	31.5	41.0	28.8	30.4	29.1	42.3
IOWA	47.8	39.6	44.2	26.5	48.5	34.5	43.9	40.7
KANS	54.8	46.4	51.8	48.6	38.0	34.8	37.0	35.0
MO	30.2	34.1	31.3	31.3	34.8	33.9	34.6	43.3
NEBR	58.0	46.4	53.9	44.6	40.3	37.7	39.6	42.0
REGION VII	44.9	40.6	43.3	34.3	41.5	34.8	39.5	40.8
COLO	47.4	39.2	43.8	45.7	37.0	36.5	36.9	36.5
MONT	57.3	45.5	52.7	52.1	57.2	45.4	52.3	50.2
N DAK	51.2	43.2	47.5	48.0	50.4	37.0	44.4	38.9
S DAK	54.1	44.3	50.3	42.0	52.9	39.4	46.9	48.0
UTAH	47.4	40.0	44.6	33.0	45.4	30.9	39.9	27.2
WYO	57.5	42.5	49.2	50.0	48.8	42.1	46.8	47.6
REGION VIII	52.0	42.5	48.0	45.4	48.5	38.6	44.7	41.0
ARIZ	45.5	25.8	33.7	48.1	46.5	27.8	37.9	45.8
CALIF	35.4	38.5	36.1	45.1	32.9	36.1	33.5	43.4
NEV	48.8	46.5	48.1	56.9	54.5	30.9	44.7	50.7
REGION IX	36.0	36.4	36.1	45.3	34.0	34.7	34.1	43.7
IDAHO	58.5	39.3	50.2	47.2	45.5	35.7	42.6	48.8
OREG	32.9	33.5	33.1	32.9	31.8	30.5	31.5	38.8
WASH	37.4	39.2	37.8	36.0	32.9	39.0	34.3	34.7
REGION X	37.0	37.2	39.6	37.1	35.9	38.3	36.5	39.9
U S	36.5	37.3	37.1	35.1	36.7	34.1	35.8	39.7

1/ INCLUDES AS "OTHER FAMILY" ONLY THOSE HOUSEHOLD MEMBERS, WORKING 15 HOURS OR MORE PER WEEK WITHOUT RECEIVING CASH WAGES. 2/ REGION I: CONN, MAINE, MASS, N H, R I AND VT.

HOURS WORKED PER WORKER

JUL 10 - 16, 1977				
STATE AND REGION	FARM OPERATOR	OTHER UNPAID FAMILY MEMBERS 1/	ALL FAMILY 1/	HIRED WORKERS
HOURS				
REGION I 2/	47.3	30.8	41.3	36.1
N J	38.4	36.6	37.6	38.0
N Y	46.6	40.9	44.3	40.5
REGION II	45.2	40.2	43.1	39.6
DEL	37.2	30.2	34.7	43.0
MD	42.5	40.7	41.8	40.5
PA	42.5	34.3	38.8	39.7
VA	28.2	34.7	30.1	35.0
W VA	28.9	35.1	31.6	24.2
REGION III	36.6	35.0	36.0	37.5
ALA	26.6	32.0	27.7	34.6
FLA	27.5	32.9	29.2	37.2
GA	30.1	38.0	32.1	28.6
KY	30.9	35.0	32.2	27.2
MISS	18.9	28.2	20.1	36.3
N C	32.8	37.9	34.6	19.6
S C	28.0	38.0	29.9	28.0
TENN	21.5	38.0	25.2	26.0
REGION IV	27.3	35.9	29.6	26.4
ILL	34.7	37.8	35.6	31.1
IND	34.8	37.0	35.5	36.1
MICH	38.5	33.3	36.7	34.7
MINN	58.6	43.5	51.4	31.4
OHIO	36.5	34.1	35.7	33.9
WIS	61.2	44.0	52.1	38.9
REGION V	44.9	40.1	43.0	34.3
ARK	30.0	34.0	31.0	38.0
LA	24.8	32.7	25.8	35.2
N MEX	41.1	38.0	39.8	43.7
OKLA	30.8	39.5	33.2	34.0
TEX	29.9	39.2	31.7	38.4
REGION VI	30.1	37.8	31.9	38.0
IOWA	45.0	36.8	41.5	25.0
KANS	54.7	49.7	53.1	44.0
MO	29.7	29.8	29.7	36.8
NEBR	52.8	49.4	51.4	38.3
REGION VII	43.4	40.6	42.4	33.0
COLO	50.6	40.3	46.1	47.9
MONT	61.0	50.0	56.2	57.8
N DAK	56.0	48.0	52.3	48.0
S DAK	56.3	43.1	50.3	47.5
UTAH	37.4	33.9	36.5	37.0
WYO	51.9	41.9	48.2	51.0
REGION VIII	53.6	40.5	49.7	48.3
ARIZ	42.9	24.0	32.2	47.9
CALIF	37.0	35.6	36.7	44.3
NEV	52.3	43.7	48.0	53.5
REGION IX	37.6	34.1	36.6	44.5
IDAHO	55.9	44.0	51.7	48.2
OREG	40.6	38.8	39.9	30.7
WASH	36.1	38.5	36.7	39.1
REGION X	42.2	40.2	41.6	37.0
U S	38.4	39.0	38.6	35.5

1/ INCLUDES AS "OTHER FAMILY" ONLY THOSE HOUSEHOLD MEMBERS WORKING 15 HOURS OR MORE WITHOUT RECEIVING CASH WAGES. 2/ REGION I: CONN, MAINE, MASS, N H, R I AND VT.

FARM WAGE RATES BY METHOD OF PAY, JULY 11-17, 1976 BY STATES,  
STANDARD FEDERAL REGIONS AND UNITED STATES (REVISED)

STATE AND REGION	ALL HIRED FARM WORKERS	FARM WAGE RATES - METHOD OF PAY					BY HOUR RECEIVING CASH WAGES ONLY
		BY PIECE - RATE	BY OTHER THAN PIECE - RATE	BY HOUR ONLY	BY CASH WAGES ONLY	DOLLARS PER HOUR	
REGION I 1/	2.43	2/	2.42	2.55	2.64	2.58	
N J	2.56	2.47	2.61	2.45	2.55	2.47	
N Y	2.33	3.18	2.26	2.41	2.58	2.48	
REGION II	2.42	2.58	2.37	2.43	2.57	2.48	
DEL	2.62	2/	2.62	2.57	2.50	2.43	
MD	2.44	2/	2.46	2.77	2.76	2.82	
PA	2.33	2/	2.32	2.33	2.67	2.58	
VA	2.32	2.75	2.29	2.34	2.29	2.20	
W VA	2.18	2/	2.19	2.21	2.40	2.24	
REGION III	2.33	2.51	2.32	2.39	2.55	2.49	
ALA	2.39	2/	2.39	2.26	2.35	2.28	
FLA	3.00	3.66	2.95	2.76	2.98	2.71	
GA	2.04	2/	2.04	2.22	2.20	2.24	
KY	2.45	2/	2.43	2.35	2.69	2.42	
MISS	2.26	2/	2.26	2.11	2.37	2.12	
N C	2.21	2/	2.21	2.19	2.20	2.17	
S C	2.14	2.50	2.08	2.21	2.25	2.12	
TENN	2.27	3.58	2.22	2.12	2.38	2.22	
REGION IV	2.31	2.81	2.29	2.25	2.34	2.28	
ILL	2.40	2/	2.39	2.60	2.75	2.70	
IND	2.68	3.00	2.66	2.45	2.67	2.53	
MICH	2.34	2.59	2.33	2.40	2.49	2.45	
MINN	2.50	3.30	2.23	2.70	2.57	2.67	
OHIO	2.52	2.92	2.50	2.65	2.60	2.65	
WIS	2.40	2.75	2.34	2.48	2.68	2.50	
REGION V	2.46	2.97	2.41	2.55	2.64	2.59	
ARK	2.41	2.99	2.39	2.19	2.40	2.23	
LA	2.31	2.20	2.33	2.33	2.52	2.38	
N MEX	2.23	2/	2.22	2.28	2.60	2.28	
OKLA	2.27	2.35	2.26	2.35	2.50	2.30	
TEX	2.40	2.55	2.39	2.30	2.55	2.30	
REGION VI	2.36	2.55	2.35	2.29	2.51	2.29	
IOWA	2.52	2/	2.52	2.56	2.60	2.57	
KANS	2.86	2/	2.86	2.70	2.84	2.52	
MO	2.39	2.97	2.17	2.36	2.51	2.42	
NEBR	2.29	2.95	2.24	2.55	2.53	2.53	
REGION VII	2.51	2.95	2.48	2.56	2.62	2.53	
COLO	2.64	2/	2.63	2.67	2.89	2.69	
MONT	2.08	-	2.08	2.60	2.56	2.60	
N DAK	2.98	3.35	2.94	2.87	3.20	3.15	
S DAK	2.20	2/	2.17	2.21	2.50	2.20	
UTAH	2.21	2/	2.20	2.11	2.43	2.26	
WYO	1.92	2/	1.89	2.19	2.77	2/	
REGION VIII	2.46	3.04	2.43	2.48	2.67	2.47	
ARIZ	2.48	2.91	2.46	2.32	2.80	2.60	
CAL IF	3.08	3.55	3.04	2.92	3.06	2.88	
NEV	2.30	2/	2.26	2.44	2.71	2.54	
REGION IX	3.04	3.53	3.00	2.90	3.05	2.87	
IDAHO	2.86	2.90	2.85	2.62	3.01	2.70	
OREG	2.58	2.02	2.72	2.54	2.53	2.55	
WASH	2.94	3.05	2.80	2.80	3.10	2.80	
REGION X	2.85	2.88	2.79	2.69	2.97	2.71	
U S	2.53	2.93	2.48	2.50	2.65	2.52	

1/ REGION I: CONN, MAINE, MASS, N H, R I AND VT. 2/ INSUFFICIENT DATA FOR THIS CATEGORY - DATA INCLUDED IN ALL HIRED FARM WORKERS AND IN UNITED STATES WAGE RATES.



FARM WAGE RATES BY TYPE OF WORK, JULY 11-17, 1976 BY STATES,  
STANDARD FEDERAL REGIONS AND UNITED STATES (REVISED)

STATE AND REGION	FARM WAGE RATES - TYPE OF WORK PERFORMED					
	FIELD AND LIVESTOCK WORKERS	PACKINGHOUSE WORKERS	MACHINE OPERATORS	MAINTENANCE AND BOOK-KEEPING WORKERS 3/	SUPERVISORS	OTHER AGRICULTURAL WORKERS 4/
DOLLARS PER HOUR						
REGION I 1/	2.15	2/	2.87	2/	3.60	3.30
N J	2.47	2.44	3.01	2/	2/	2.52
N Y	2.15	2/	2/	2/	2/	2.87
REGION II	2.26	2.49	3.09	2.74	4.10	2.75
DEL	2.49	2/	2.63	2/	2/	2.72
MD	2.12	2/	2.93	3.28	2/	2.97
PA	2.13	2/	3.05	2/	2/	2.68
VA	2.13	2/	2.40	2/	2/	3.36
W VA	1.92	2/	2/	2/	2/	2.31
REGION III	2.12	2.49	2.69	3.17	3.92	2.84
ALA	2.16	2.55	2.60	2/	2/	3.35
FLA	2.56	2/	3.05	3.66	4.91	3.55
GA	1.87	2/	2.20	2/	2/	2.50
KY	2.26	2/	2.53	2/	2/	3.12
MISS	1.87	2/	2.36	2/	3.48	2.92
N C	2.18	2.09	2.29	2/	2/	2.53
S C	1.96	2.00	2.40	2/	2/	2.99
TENN	2.23	2/	2.30	2/	2/	2.62
REGION IV	2.16	2.24	2.45	3.36	4.05	3.03
ILL	2.31	2/	2.66	2/	4.85	3.45
IND	2.21	2.70	2.80	2/	5.40	3.05
MICH	2.17	2/	2.64	2/	2/	3.36
MINN	2.40	2/	2.60	2/	2/	3.28
OHIO	2.38	2.53	2.65	2/	2/	3.00
WIS	2.10	2/	2.70	3.50	2/	3.25
REGION V	2.26	2.56	2.68	3.46	5.17	3.23
ARK	2.27	2.47	2.50	2.77	3.80	2.54
LA	2.00	2.39	2.44	2.74	4.21	2.64
N MEX	2.05	2/	2.55	2/	3.90	2.80
OKLA	2.14	2/	2.45	2/	2/	2.98
TEX	2.22	2.30	2.48	2.74	4.08	2.45
REGION VI	2.18	2.41	2.48	2.78	4.05	2.51
IOWA	2.47	2/	2.54	2/	2/	2.96
KANS	2.76	2/	2.76	2/	2/	3.23
MO	2.34	2/	2.34	2/	2/	2.74
NEBR	2.24	2/	2.30	2/	2/	3.30
REGION VII	2.46	2.61	2.50	3.30	4.57	3.03
COLO	2.49	2/	2.55	3.02	4.30	2.85
MONT	1.89	2/	2.29	2/	3.97	2.34
N DAK	2.70	-	3.10	3.15	2/	2.85
S DAK	2.01	2/	2.50	2/	2/	3.13
UTAH	2.09	2/	2.31	2/	3.82	2.18
WYO	1.82	-	1.97	2/	2/	2.13
REGION VIII	2.16	2.45	2.77	2.99	4.09	2.74
ARIZ	2.22	2.50	2.60	3.34	4.10	3.15
CALIF	2.88	3.30	3.22	4.04	4.65	3.56
NEV	2.18	2/	2.40	2/	3.35	2.17
REGION IX	2.85	3.28	3.14	3.98	4.59	3.53
IDAHO	2.80	2/	2.90	2/	3.74	2.61
OREG	2.33	2/	3.14	2/	4.04	3.54
WASH	2.88	3.05	3.10	2/	4.07	3.33
REGION X	2.75	2.94	3.06	3.50	3.96	3.16
U S	2.37	2.73	2.66	3.39	4.32	3.04

1/ REGION I: CONN, MAINE, MASS, N H, R I AND VT. 2/ INSUFFICIENT DATA FOR THIS CATEGORY-DATA INCLUDED IN ALL HIRED FARM WORKERS AND IN UNITED STATES WAGE RATES. 3/ ESTIMATES FOR MAINTENANCE AND BOOKKEEPING WORKERS CONCLUDES WITH THE APRIL 1977 SURVEY. 4/ MAINTENANCE, BOOKKEEPING, AND OTHERS COMBINED TO BE COMPARABLE TO JULY 1977 DATA.

FARM WAGE RATES BY METHOD OF PAY, APRIL 10-16, 1977 BY STATES,  
STANDARD FEDERAL REGIONS AND UNITED STATES (REVISED)

STATE AND REGION	ALL HIRED FARM WORKERS	FARM WAGE RATES - METHOD OF PAY				
		BY PIECE-RATE	BY OTHER THAN PIECE-RATE	BY HOUR ONLY	BY CASH WAGES ONLY	BY HOUR RECEIVING CASH WAGES ONLY
DOLLARS PER HOUR						
REGION I 1/	2.59	2.38	2.59	2.79	2.72	2.76
N J	2.79	2/	2.79	2.70	2.99	2.72
N Y	2.36	2/	2.36	2.59	2.68	2.63
REGION II	2.45	2.57	2.45	2.62	2.74	2.65
DEL	2.53	2/	2.54	2.56	2.83	2.80
MD	2.58	2/	2.53	2.65	2.86	2.81
PA	2.65	2/	2.65	2.75	2.87	2.75
VA	2.42	2/	2.39	2.45	2.90	2.63
W VA	2.33	2/	2.30	2.23	2.55	2.28
REGION III	2.55	2.87	2.53	2.62	2.86	2.72
ALA	2.62	2/	2.61	2.37	2.28	2.32
FLA	3.35	4.06	3.11	2.90	3.32	2.87
GA	2.43	2.47	2.43	2.39	2.50	2.43
KY	2.48	2/	2.46	2.29	2.80	2.48
MISS	2.34	2.63	2.33	2.26	2.48	2.31
N C	2.53	2/	2.53	2.30	2.51	2.37
S C	2.37	2/	2.37	2.35	2.46	2.38
TENN	2.54	2/	2.52	2.27	2.86	2.34
REGION IV	2.68	3.56	2.58	2.45	2.75	2.51
ILL	2.83	2/	2.82	3.15	3.20	3.12
IND	2.82	2/	2.81	2.76	2.85	2.77
MICH	2.85	3.73	2.83	2.90	3.03	2.89
MINN	2.64	2/	2.64	3.15	3.34	2.95
OHIO	2.96	2/	2.96	2.81	3.00	2.82
WIS	2.53	2/	2.50	2.77	2.75	2.80
REGION V	2.72	3.72	2.70	2.94	3.00	2.89
ARK	2.62	2/	2.61	2.40	2.52	2.46
LA	2.64	2/	2.65	2.56	2.70	2.58
N MEX	2.30	2/	2.30	2.23	2.30	2.17
OKLA	2.45	--	2.45	2.40	2.57	2.47
TEX	2.55	2/	2.54	2.57	2.71	2.66
REGION VI	2.56	3.09	2.55	2.50	2.65	2.59
IOWA	2.99	2/	2.99	2.92	3.46	2.93
KANS	3.08	2/	3.08	2.95	3.25	3.12
MO	2.49	2/	2.49	2.50	2.59	2.60
NEBR	2.74	2/	2.75	2.74	3.17	3.00
REGION VII	2.82	2.64	2.82	2.78	3.14	2.88
COLO	2.84	2.51	2.91	2.78	2.83	2.69
MONT	2.30	--	2.30	2.90	2.92	3.03
N DAK	2.91	--	2.91	3.06	3.08	3.03
S DAK	2.38	2/	2.38	2.46	2.69	2.60
UTAH	2.58	2/	2.53	2.53	2.86	2.51
WYO	2.48	2/	2.49	2.75	2.86	2.88
REGION VIII	2.63	2.62	2.62	2.79	2.87	2.78
ARIZ	2.90	3.25	2.85	2.59	3.10	2.65
CALIF	3.49	4.13	3.42	3.28	3.58	3.33
NEV	2.41	2/	2.41	3.07	3.10	3.13
REGION IX	3.43	4.02	3.36	3.23	3.54	3.29
IDAHO	2.92	2/	2.92	2.95	2.81	2.69
OREG	3.07	3.57	3.06	2.99	3.20	2.97
WASH	3.37	3.66	3.34	3.14	3.39	3.17
REGION X	3.15	3.63	3.13	3.04	3.18	3.00
U S	2.82	3.50	2.77	2.78	3.00	2.84

1/ REGION I: CONN, MAINE, MASS, N H, R I AND VT. 2/ INSUFFICIENT DATA FOR THIS CATEGORY-DATA INCLUDED IN ALL HIRED FARM WORKERS AND IN UNITED STATES WAGE RATES.

FARM WAGE RATES BY TYPE OF WORK, APRIL 10-16, 1977 BY STATES,  
STANDARD FEDERAL REGIONS AND UNITED STATES (REVISED)

STATE AND REGION	FARM WAGE RATES-TYPE OF WORK PERFORMED					
	FIELD AND LIVESTOCK WORKERS	PACKING-HOUSE WORKERS	MACHINE OPERATORS	MAINTENANCE AND BOOKKEEPING WORKERS 3/	SUPERVISORS	OTHER AGRICULTURAL WORKERS 4/
DOLLARS PER HOUR						
REGION I 1/	2.30	2.67	2/	3.70	3.96	3.37
N J	2.65	2/	2/	2/	2/	3.36
N Y	2.20	2/	2/	2/	2/	3.08
REGION II	2.29	2.66	3.08	3.72	4.32	3.13
DEL	2.38	2/	2/	2/	2/	2.36
MD	2.29	2/	3.30	2/	2/	3.01
PA	2.33	3.00	3.45	3.61	4.50	3.13
VA	2.30	2/	2.60	2/	3.60	2.95
W VA	2.11	2/	2/	2/	2/	3.39
REGION III	2.30	2.89	2.97	3.51	4.04	3.05
ALA	2.12	2.40	3.00	3.50	2/	3.39
FLA	3.19	2.82	3.06	2/	4.87	3.83
GA	2.23	2/	2.38	2/	2/	3.19
KY	2.36	2/	2.95	2/	2/	2.34
MISS	2.13	2/	2.29	3.13	3.74	2.93
N C	2.16	2/	2.36	2/	4.83	3.18
S C	2.20	2/	2.35	2/	2/	3.01
TENN	2.41	2/	2.30	2/	2/	3.39
REGION IV	2.48	2.63	2.48	3.48	4.51	3.22
ILL	2.60	2/	3.00	2/	5.00	3.92
IND	2.70	2/	2.76	3.50	2/	3.52
MICH	2.62	2.85	3.31	2/	2/	3.37
MINN	2.50	3.00	3.29	2/	2/	3.57
OHIO	2.60	2.68	2/	2/	5.10	3.93
WIS	2.33	2/	2/	2/	4.60	3.25
REGION V	2.50	2.89	3.05	3.68	4.88	3.67
ARK	2.48	2/	2.60	2/	4.50	2.71
LA	2.43	2/	2.51	2.84	4.60	2.84
N MEX	2.09	-	2.38	2.81	3.80	2.64
OKLA	2.30	2/	2/	2/	2/	3.00
TEX	2.24	2.62	2.56	3.35	4.30	3.09
REGION VI	2.30	2.62	2.57	3.19	4.38	2.95
IOWA	2.77	2/	2.88	2/	2/	4.42
KANS	2.98	-	3.40	2/	4.80	3.37
MO	2.40	2/	2.50	2/	2/	2.74
NEBR	2.52	2/	3.20	2/	2/	3.76
REGION VII	2.65	2.72	2.82	3.29	5.17	3.44
COLO	2.68	2/	2.67	2/	4.43	3.62
MONT	2.16	2/	2/	2/	2/	2.93
N DAK	2.67	2/	3.00	2/	2/	2.96
S DAK	2.25	2/	2.55	2/	2/	3.13
UTAH	2.51	2/	2/	2/	2/	2.57
WYO	2.21	2/	3.00	2/	2/	2.65
REGION VIII	2.45	2.95	2.90	3.30	4.24	3.06
ARIZ	2.74	2.90	2.82	2/	4.20	3.48
CALIF	3.27	3.45	3.46	4.27	5.07	4.28
NEV	2.27	-	2/	2/	3.44	2.37
REGION IX	3.22	3.40	3.37	4.23	4.96	4.20
IDAHO	2.87	2/	3.10	2/	3.82	2.70
OREG	2.86	3.10	3.22	4.00	4.76	3.88
WASH	3.08	3.29	3.43	4.08	5.10	4.15
REGION X	2.95	3.18	3.23	4.08	4.68	3.41
U S	2.62	2.93	2.77	3.67	4.64	3.41

1/ REGION I: CONN, MAINE, MASS, N H, R I AND VT. 2/ INSUFFICIENT DATA FOR THIS CATEGORY-DATA INCLUDED IN ALL HIRED FARM WORKERS AND IN UNITED STATES WAGE RATES. 3/ ESTIMATES FOR MAINTENANCE AND BOOKKEEPING WORKERS CONCLUDES WITH THE APRIL 1977 SURVEY. 4/ MAINTENANCE, BOOKKEEPING, AND OTHERS COMBINED TO BE COMPARABLE TO JULY 1977 DATA.

FARM WAGE RATES BY METHOD OF PAY JULY 10-16, 1977 BY STATES  
STANDARD FEDERAL REGIONS AND UNITED STATES

STATE AND REGION	ALL HIRED FARM WORKERS	FARM WAGE RATES - METHOD OF PAY				
		BY PIECE-RATE	BY OTHER THAN PIECE-RATE	BY HOUR ONLY	BY CASH WAGES ONLY	BY HOUR RECEIVING CASH WAGES ONLY
DOLLARS PER HOUR						
REGION I 1/	2.52	2/	2.52	2.68	2.77	2.68
N J	2.75	2.39	2.91	2.83	2.73	2.89
N Y	2.35	2/	2.33	2.47	2.73	2.56
REGION II	2.48	2.52	2.48	2.60	2.73	2.67
DEL	2.83	2/	2.86	2.80	3.05	3.03
MD	2.84	2/	2.87	3.16	3.22	3.25
PA	2.40	2/	2.39	2.59	2.70	2.62
VA	2.27	2/	2.25	2.20	2.24	2.08
W VA	2.01	2/	2.00	2.08	2.22	2.17
REGION III	2.44	2.61	2.44	2.59	2.68	2.60
ALA	2.55	2.47	2.56	2.35	2.60	2.37
FLA	3.09	3.46	3.07	2.84	3.05	2.83
GA	2.36	2/	2.36	2.37	2.35	2.25
KY	2.35	2/	2.35	2.36	2.40	2.36
MISS	2.56	2/	2.56	2.51	2.78	2.71
N C	2.30	2/	2.27	2.27	2.34	2.37
S C	2.40	2.36	2.40	2.26	2.41	2.27
TENN	2.71	2/	2.67	2.50	2.75	2.56
REGION IV	2.51	2.91	2.49	2.41	2.55	2.47
ILL	2.80	2/	2.80	2.70	2.75	2.70
IND	2.61	2/	2.61	2.60	2.70	2.62
MICH	2.80	2.80	2.80	2.91	3.03	3.01
MINN	2.48	3.25	2.41	2.68	2.55	2.71
OHIO	2.54	2.52	2.54	2.55	2.60	2.55
WIS	2.30	2/	2.30	2.60	2.50	2.70
REGION V	2.57	2.75	2.56	2.68	2.71	2.71
ARK	2.63	2/	2.61	2.50	2.76	2.67
LA	2.81	2/	2.79	2.68	2.92	2.70
N MEX	2.22	2/	2.22	2.07	2.22	2.13
OKLA	2.86	2/	2.77	2.66	3.16	2.98
TEX	2.58	2/	2.52	2.36	2.74	2.40
REGION VI	2.60	3.59	2.56	2.42	2.75	2.49
IOWA	2.74	2/	2.69	2.59	3.04	2.69
KANS	2.90	2/	2.88	2.85	3.40	2.80
MO	2.56	2/	2.56	2.45	2.44	2.34
NEBR	2.49	2.30	2.50	2.48	2.51	2.50
REGION VII	2.67	3.07	2.65	2.57	2.84	2.59
COLO	2.77	2/	2.75	2.65	2.87	2.57
MONT	2.10	2/	2.10	2.70	2.60	2.70
N DAK	3.11	4.00	3.03	3.05	3.08	3.30
S DAK	2.30	2/	2.30	2.50	2.70	2.70
UTAH	2.61	2/	2.56	2.72	2.80	2.67
WYO	2.22	2/	2.22	2.22	2.41	2/
REGION VIII	2.56	3.70	2.53	2.74	2.81	2.72
ARIZ	2.79	3.20	2.76	2.63	2.86	2.63
CALIF	3.50	4.40	3.42	3.26	3.49	3.26
NEV	2.35	2/	2.35	2.80	3.06	2.85
REGION IX	3.46	4.36	3.38	3.24	3.47	3.24
IDAHO	2.69	3.12	2.63	2.71	2.88	2.77
OREG	2.53	2.00	2.91	2.74	2.60	2.71
WASH	3.21	3.32	3.18	3.09	3.39	3.06
REGION X	2.84	2.52	2.96	2.91	2.95	2.89
U S	2.77	3.12	2.74	2.76	2.93	2.81

1/ REGION I: CONN, MAINE, MASS, N H, R I AND VT. 2/ INSUFFICIENT DATA FOR THIS CATEGORY - DATA INCLUDED IN ALL HIRED FARM WORKERS AND IN UNITED STATES WAGE RATES.

FARM WAGE RATE BY TYPE OF WORK JULY 10-16, 1977  
STANDARD FEDERAL REGIONS AND UNITED STATES

STATE AND REGION	FIELD AND LIVESTOCK WORKERS	FIELD WORKERS	LIVESTOCK WORKERS	PACKINGHOUSE WORKERS	MACHINE OPERATORS	SUPERVISORS	OTHER AGRICULTURAL WORKERS <sup>2/</sup>
REGION I <sup>1/</sup>	2.29	2.31	2.20	3/	3.27	4.15	2.97
N J	2.60	2.61	2.49	2.90	3.20	3.95	3/
N Y	2.17	2.18	2.16	3/	2.78	4.37	3/
REGION II	2.31	2.34	2.19	2.82	2.86	4.18	3.16
DEL	2.63	2.64	2.58	3/	3.20	3/	3/
MD	2.46	2.56	2.29	3/	3.30	3/	3.45
PA	2.22	2.21	2.25	3/	3/	4.21	3.18
VA	2.08	2.04	2.18	3/	2.43	3.96	3/
W VA	1.89	1.96	3/	3/	3/	3/	3/
REGION III	2.22	2.22	2.21	2.53	2.83	4.15	3.27
ALA	2.33	2.22	2.46	2.59	2.65	4.50	2.88
FLA	2.69	2.65	2.85	2.76	3.30	4.80	3.59
GA	2.29	2.05	2.83	3/	2.25	3/	2.18
KY	2.27	2.27	2.22	3/	2.74	3/	2.25
MISS	2.42	2.09	2.85	3/	2.37	4.39	3/
N C	2.23	2.22	2.36	2.25	2.43	4.97	2.84
S C	2.24	2.22	2.43	2.20	2.30	3/	3.10
TENN	2.54	2.55	2.52	3/	2.47	3.99	2.64
REGION IV	2.34	2.28	2.61	2.42	2.54	4.57	2.80
ILL	2.63	2.65	2.50	2.70	3.00	4.70	3/
IND	2.48	2.41	2.71	3/	2.60	3/	3/
MICH	2.43	2.40	2.55	2.83	3.13	3/	3.88
MINN	2.26	2.30	2.15	3/	2.70	4.90	3/
OHIO	2.33	2.30	2.51	2.62	2.81	4.50	3.32
WIS	2.10	2.15	2.00	3/	2.70	4.60	3/
REGION V	2.35	2.37	2.27	2.78	2.80	4.74	3.63
ARK	2.53	2.32	2.96	3/	2.50	4.12	2.65
LA	2.27	2.16	2.79	3/	2.72	4.50	3.19
N MEX	2.10	2.00	2.21	3/	2.40	3.80	3/
OKLA	2.58	2.32	2.85	3/	3.07	3/	3/
TEX	2.34	2.27	2.53	2.75	2.70	4.30	3/
REGION VI	2.37	2.26	2.63	2.61	2.69	4.23	2.90
IOWA	2.54	2.49	2.71	3/	2.98	3/	3/
KANS	2.81	2.90	2.60	3/	2.92	3/	3.08
MO	2.47	2.48	2.45	3/	2.51	3/	3/
NEBR	2.32	2.25	2.55	3/	2.40	4.05	3/
REGION VII	2.52	2.50	2.61	2.45	2.67	4.69	3.15
COLO	2.61	2.55	2.70	3/	2.66	4.40	2.64
MONT	2.06	2.04	2.10	3/	2.00	2.80	2.16
N DAK	3.07	3.10	3/	-	3.09	3/	3/
S DAK	1.97	1.95	2.05	3/	2.35	3.30	3/
UTAH	2.57	2.79	2.27	3/	2.56	3/	2.27
WYO	1.97	1.93	2.03	3/	2.50	4.00	3/
REGION VIII	2.43	2.45	2.39	2.95	2.56	3.78	2.39
ARIZ	2.46	2.52	2.28	3.12	2.90	4.59	3.30
CALIF	3.20	3.21	3.09	3.77	3.79	5.17	4.39
NEV	2.10	2.05	2.19	3/	3/	3.35	2.10
REGION IX	3.16	3.18	2.99	3.76	3.70	5.10	4.31
IDAHO	2.58	2.63	2.33	3/	2.70	3.60	3/
OREG	2.37	2.35	2.55	3.23	3.00	4.03	3.79
WASH	3.03	3.08	2.61	3.45	3.33	4.45	4.50
REGION X	2.68	2.70	2.51	3.20	3.04	4.06	3.74
U S	2.56	2.57	2.50	3.17	2.83	4.54	3.33

<sup>1/</sup> REGION I: CONN, MAINE, MASS, N H, R I AND VT. <sup>2/</sup> BEGINNING WITH JULY 1977, MAINTENANCE AND BOOK-KEEPING WORKERS ARE INCLUDED WITH OTHER AGRICULTURAL WORKERS. 3/ INSUFFICIENT DATA FOR THIS CATEGORY - DATA INCLUDED IN ALL HIRED FARM WORKERS AND IN UNITED STATES WAGE RATES.

### HAWAII FARM LABOR

The Agricultural labor force on Hawaii farms totaled 17,700 during the week of July 10-16, 1977. This was an increase of 3900 workers from the previous survey conducted in April. Hired workers at 13,300 and farm operators and unpaid family members working 15 hours or more at 4,400 made up the Hawaii farm work force. Field and livestock workers together numbered 8,000, about 60 percent of all hired workers.

Operators and unpaid family members worked an average of 29.9 hours during the survey week. Hired workers averaged 40.6 hours.

All hired workers received a wage rate equivalent of \$4.32 per hour, a decrease of 20 cents from the last quarter. Field workers averaged \$3.77 and livestock workers \$3.74 per hour.

Weather during the survey week was warm and humid. Pineapple harvesting was in full swing. Other major activities included sugar harvesting, irrigating crops, and spraying to control insects and diseases.

HAWAII FARM WAGE RATES BY METHOD OF PAY AND TYPE OF WORK,  
JULY 10-16, 1977 WITH COMPARISONS

METHOD OF PAY	DOLLARS PER HOUR			
	OCT. 10-16, 1976	JAN. 9-15, 1977	APRIL 10-16, 1977	JULY 10-16, 1977
All Hired Farm Workers	4.48	4.52	4.52	4.32
Paid by Other Than Piece-Rate	4.48	4.52	4.52	4.32
Paid by Hour Only	4.34	4.35	4.33	4.15
Paid by Hour Cash Wages Only	3.34	3.37	2.98	3.23
Field Workers <sup>1/</sup>	----	----	----	3.77
Livestock Workers <sup>1/</sup>	----	----	----	3.74
Field and Livestock Workers	3.89	3.91	3.77	3.77
Machine Operators	4.69	4.76	5.01	4.86
Maintenance and Bookkeeping	5.01	4.92	5.23	2/
Supervisors	6.09	6.50	6.52	6.14

<sup>1/</sup> Beginning with July 1977 Field and Livestock workers will be published separately. <sup>2/</sup> Estimates for maintenance and bookkeeping workers concludes with the April 1977 survey.

### PUERTO RICO HIRED WORK FORCE

The hired work force on Puerto Rico farms numbered 32,000 during the survey week of July 10-16, 1977. This compares with 31,000 during the April work and 39,000 a year ago. Field and livestock workers estimated at 29,000 were 90.6 percent of the total. These estimates include workers hired by both farm operators and agriculture service firms performing work on farms.

All hired workers averaged 31.7 hours during the survey week compared to 30.7 hours in April and 32.5 hours for the previous year. Farm wages for all methods of pay converted to an hourly rate averaged \$1.69. Last year the rate was \$1.61. Wages for field and livestock workers combined averaged \$1.58, up 8 cents from a year ago.

Rains benefited growing crops and improved conditions for resumption of planting. More rains are needed in the south coastal areas to relieve prolonged drought.

### ALASKA FARM LABOR

The first survey of a probability design covering Alaska farm labor was conducted by the Alaska State Statistical Office, U.S. Department of Agriculture for the week of July 10-16 1977. Enumerators interviewed farmers covering all agricultural areas of the State.

The total work force on Alaska farms was estimated at 830 workers. The total operators plus unpaid family members working 15 hours or more totaled 530, while hired workers accounted for 300. Field workers amounted to 160 and livestock workers were 60. Field and livestock workers combined numbered 220, about 73.3 percent of the hired work force.

Operator and unpaid family workers averaged 39.7 hours during the survey period. Hired employees averaged 28.1 hours.

Wage rates for all hired workers converted to an hourly rate averaged \$4.86. The average hourly rate for field workers was \$4.79 and for livestock workers \$2.73. The wage rate for field and livestock workers combined was \$4.20.

The Tanana Valley was warm and mostly dry during the survey week. Matanuska Valley temperatures were 5 to 8 degrees above normal. The first crop hay harvest was almost completed by mid-July. The Tanana and Matanuska Valleys oat and barley fields were 75 percent headed. Potatoes were making good growth averaging over 12 inches.



