

# FARM LABOR

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## FARM WORKERS 11 PERCENT BELOW LAST YEAR

Total employment on United States farms during the survey week of April 9-15, 1978 was estimated at 3,678,500 workers, 11 percent less than April 1977. Farm operators and unpaid family members working 15 hours or more totaled 2,583,400 while hired workers numbered 1,095,100.

All family members averaged 34.7 hours worked during the April 1978 survey week compared to 35.8 hours in April 1977. Farm operators reported an average of 35.0 hours compared to 36.7 last year and unpaid family members 33.6 hours worked compared to 34.1 the previous year. Hired workers averaged 37.7 hours for the week compared with 39.7 a year earlier.

## WAGE RATES CONTINUE TO CLIMB

Farm wage rates for all methods of pay converted to an hourly rate averaged \$3.09 during the week of April 9-15, 1978. The average was \$2.82 per hour a year ago. Hourly workers receiving only cash wages averaged \$3.08 per hour compared with \$2.84 a year earlier. Combined field and livestock workers were paid an average of \$2.84 per hour, up 22 cents from the previous April. In April 1978 field workers received \$3.01 per hour while livestock workers averaged \$2.61.

## RAINS SLOW FIELD ACTIVITY DURING SURVEY WEEK

Some moisture fell in nearly all the Nation except the Southwest during the week of April 9-15, 1978. The rains increased needed soil moisture supplies in the Southeast and saturated the soils in parts of the Midwest. Land preparation and planting lagged except in the South and West. Corn planting exceeded the usual progress in Southern areas but got off to a slow start in the Corn Belt. Progress was well under 5% in Kansas, Missouri, and Ohio.

Cotton planting was ahead of last year and the average. Texas planting was well ahead of recent years. Seeding in the Delta States was behind last year and the average, while planting was active in New Mexico, Arizona, and California.

Sorghum planting was limited to Texas and Oklahoma. Rice seeding passed the halfway mark in the Delta States except Arkansas. Peanut planting lagged in Georgia, Alabama, and Texas. Progress was only half of last year in Georgia and Texas and generally less than the average.

Irrigation was active in Florida Citrus as the bloom ended and fruit set began. Valencia harvest increased.

## 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 ESCS list frame is assembled from various sources. It consists of employers of Agricultural Labor, but does not include all such employers. 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 ESCS 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. Use of the multiple frame sample allows the desirable attributes of both frames to be captured.

Estimates based on a sample 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 variation that occurs 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 April 9-15, 1978 is 2.4 percent at the National level. In terms of numbers, the standard error is 26,820 of a total of 1,095,100 hired workers. Chances are approximately two out of three that the complete coverage value would lie between 1,068,280 and 1,121,920 workers. The relative standard error of the estimate of hired workers by regions ranges from 4.7 percent in Region 4 to 17.5 percent in Region 1. All regions except Region 1 had a relative standard error of 10 percent or less.

FARM EMPLOYMENT AND INDEXES, APRIL 1978, WITH COMPARISONS, UNITED STATES

ITEM	ANNUAL AVERAGE 1976	ANNUAL AVERAGE 1977	APR 10-16, 1977	JAN 8-14, 1978	APR 9-15, 1978
FARM EMPLOYMENT (THOUSANDS)					
TOTAL	4,373.9	4,152.0	4,126.4	2,999.5	3,678.5
FAMILY LABOR	2,997.2	2,856.1	2,969.1	2,235.2	2,583.4
HIRED LABOR	1,376.7	1,295.9	1,157.3	764.3	1,095.1
INDEXES 1/ (1910-14=100)					
TOTAL	32	31	32	25	28
FAMILY LABOR	2/ 29	28	30	26	26
HIRED LABOR	2/ 41	38	37	32	35
(1967=100)					
TOTAL	89	85	87	75	78
FAMILY LABOR	2/ 82	78	83	72	72
HIRED LABOR	2/ 110	103	97	84	92

1/ INDEXES ARE ADJUSTED FOR SEASONAL VARIATION.

2/ REVISED.

FARM WAGE RATES, APRIL 1978, WITH COMPARISONS, UNITED STATES

ITEM	ANNUAL AVERAGE 1976	ANNUAL AVERAGE 1977	APR 10-16, 1977	JAN 8-14, 1978	APR 9-15, 1978
METHOD OF PAY:			DOLLARS PER HOUR		
ALL HIRED FARM WORKERS	2.66	2.87	2.82	3.18	3.09
PAID BY PIECE-RATE	3.14	3.48	3.50	4.00	3.93
PAID BY OTHER THAN PIECE-RATE	2.61	2.82	2.77	3.13	3.05
PAID BY HOUR ONLY 1/	2.60	2.84	2.78	3.13	3.03
PAID CASH WAGES ONLY 2/	2.81	3.06	3.00	3.40	3.22
PAID BY HOUR CASH WAGES ONLY 3/	2.65	2.90	2.84	3.18	3.08
TYPE OF WORK PERFORMED:					
FIELD AND LIVESTOCK WORKERS	2.47	2.65	2.62	2.90	2.84
PACKINGHOUSE WORKERS	2.80	2.97	2.93	3.17	3.17
MACHINE OPERATORS	2.72	2.92	2.77	3.39	3.10
MAINTENANCE AND BOOKKEEPING	3.45	5/	3.67	5/	5/
SUPERVISORS	4.39	4.63	4.64	5.02	4.93
OTHER AGRICULTURAL WORKERS	5/ 3.11	5/ 3.37	5/ 3.41	5/ 3.59	5/ 3.53
INDEXES 4/ (1910-14=100)	1,764	1,904	1,898	2,068	2,080
(1967=100)	208	225	224	244	246

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, APRIL 9-15, 1978 WITH COMPARISONS

STATE AND REGION	APR 10-16, 1977 1/			JAN 8-14, 1978 1/			APR 9-15, 1978		
	TOTAL	FAMILY	HIRED	TOTAL	FAMILY	HIRED	TOTAL	FAMILY	HIRED
THOUSANDS									
REGION I 2/	81	50	31	61	37	24	68	36	32
N J	20	12	8.0	13	8.0	5.0	20	13	7.0
N Y	98	66	32	81	57	24	100	66	34
REGION II	118	78	40	94	65	29	120	79	41.0
DEL	6.5	4.2	2.3	4.3	2.5	1.8	6.0	3.4	2.6
MD	31	21	10	21.8	15	6.8	23.2	16	7.2
PA	131	103	28	100	78	22	119	83	36
VA	87	66	21	66	50	16	64	44	20
W VA	53	50	3.0	29.5	27	2.5	28.7	25	3.7
REGION III	308.5	244.2	64.3	221.6	172.5	49.1	240.9	171.4	69.5
ALA	93	74	19	62	39	23	74	51	23
FLA	97	31	66	106	27	79	108	30	78
GA	91	49	42	64	48	16	79	47	32
KY	139	115	24	98	81	17	115	91	24
MISS	96	59	37	47	36	11	84	55	29
N C	142	93	49	69	53	16	117	79	38
S C	58	37	21	37	27	10	58	37	21
TENN	135	117	18	94	80	14	114	96	18
REGION IV	851	575	276	577	391	186	749	486	263
ILL	178	144	34	106	89	17	142	113	29
IND	118	97	21	77	69	8.0	96	76	20
MICH	93	72	21	72	55	17	82	65	17
MINN	202	172	30	147	133	14	160	146	14
OHIO	162	143	19	137	120	17	129	112	17
WIS	191	145	46	158	128	30	168	125	43
REGION V	944	773	171	697	594	103	777	637	140
ARK	93	59	34	55	42	13	100	67	33
LA	61	42	19	30	21	9.0	59	38	21
N MEX	22	16	6.0	18	12	6.0	24	18	6.0
OKLA	97	79	18	90	80	10	94	84	10
TEX	250	169	81	185	129	56	230	152	78
REGION VI	523	365	158	378	284	94	507	359	148
IOWA	200	169	31	159	137	22	212	183	29
KANS	85	70	15	74	64	10	83	65	18
MO	201	177	24	131	117	14	161	137	24
NEBR	96	82	14	87	74	13	92	76	16
REGION VII	582	498	84	451	392	59	548	461	87
COLO	52	34	18	45	31	14	44	29	15
MONT	36	28	8.0	24.5	20	4.5	34.1	27.0	7.1
N DAK	63	56	7.0	42	40	2.0	61	54	7.0
S DAK	75	66	9.0	54	46	8.0	58	49	9.0
UTAH	25	18	7.0	20	16	4.0	24	20	4.0
WYO	13	8.0	5.0	12	8.5	3.5	12	8.0	4.0
REGION VIII	264	210	54	197.5	161.5	36	233.1	187	46.1
ARIZ	22.6	5.3	17.3	21.3	6.2	15.1	21.8	5.3	16.5
CALIF	264	70	194	181	46	135	244	65	179
NEV	5.3	2.6	2.7	4.1	2.0	2.1	5.7	2.7	3.0
REGION IX	291.9	77.9	214.0	206.4	54.2	152.2	271.5	73.0	198.5
IDAHO	46	28	18	26	20	6.0	42	24	18
OREG	51	32	19	41	29	12	55	35	20
WASH	66	38	28	49	35	14	67	35	32
REGION X	163	98	65	116	84	32	164	94	70
U S	4,126.4	2,969.1	1,157.3	2,999.5	2,235.2	764.3	3,678.5	2,583.4	1,095.1

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

## HIRED FIELD AND LIVESTOCK WORKERS ON FARMS APRIL 9-15, 1978 WITH COMPARISONS

STATE AND REGION	APR 10-16, 1977:		JAN 8-14, 1978 1/		APR 9-15, 1978 1/		
	FIELD AND LIVESTOCK	FIELD WORKERS	LIVESTOCK WORKERS	FIELD AND LIVESTOCK	FIELD WORKERS	LIVESTOCK WORKERS	FIELD AND LIVESTOCK
THOUSANDS							
REGION I 2/	22	5.0	9.0	14	9.0	9.0	18
N J	6.8	2.0	1.0	3.0	4.2	1.1	5.3
N Y	28	3.0	14	17	11	17	28
REGION II	34.8	5.0	15	20	15.2	18.1	33.3
DEL	.9	.5	.6	1.1	.6	.7	1.3
MD	8.0	1.3	3.2	4.5	3.4	2.0	5.4
PA	18	5.0	10	15	13	16	29
VA	17	5.0	7.0	12	9.0	7.0	16
W VA	1.9	1.3	.5	1.8	1.9	1.0	2.9
REGION III	45.8	13.1	21.3	34.4	27.9	26.7	54.6
ALA	10	8.0	10	18	10	6.0	16
FLA	48	52	6.0	58	46	7.0	53
GA	30	3.0	6.0	9.0	16	4.0	20
KY	17	5.0	5.0	10	14	6.0	20
MISS	17	2.0	4.0	6.0	2.0	8.0	10
N C	33	4.0	7.0	11	20	6.0	26
S C	13	2.0	4.0	6.0	9.0	4.0	13
TENN	11	7.0	5.0	12	7.0	4.0	11
REGION IV	179	83	47	130	124	45	169
ILL	20	2.0	11	13	11	11	22
IND	16	2.0	4.0	6.0	4.0	7.0	11
MICH	15	2.0	9.0	11	7.0	6.0	13
MINN	23	.5	11	11.5	1.0	7.5	8.5
OHIO	14	4.0	8.0	12	10	4.0	14
WIS	40	3.0	22	25	3.0	31	34
REGION V	128	13.5	65.0	78.5	36.0	66.5	102.5
ARK	13	2.0	5.0	7.0	4.0	7.0	11
LA	10	2.0	4.0	6.0	5.0	3.0	8.0
N MEX	4.0	2.0	2.0	4.0	2.0	3.0	5.0
OKLA	16	1.0	7.0	8.0	2.0	4.0	6.0
TEX	41	16	20	36	23	26	49
REGION VI	84	23	38	61	36	43	79
IOWA	24	1.0	18	19	2.0	15	17
KANS	10	1.0	5.0	6.0	2.0	4.0	6.0
MO	17	2.0	8.0	10	6.0	11	17
NEBR	11	1.0	9.0	10	6.0	5.0	11
REGION VII	62	5.0	40	45	16	35	51
COLO	15	2.0	8.0	10	7.0	4.0	11
MONT	6.0	.2	3.3	3.5	1.8	2.7	4.5
N DAK	2.0		1.0	1.0	1.0	1.0	2.0
S DAK	8.0	1.0	6.0	7.0	2.0	6.0	8.0
UTAH	6.0	.2	3.0	3.2	1.0	2.0	3.0
WYO	4.0	.3	2.7	3.0	.8	2.2	3.0
REGION VIII	41	3.7	24.0	27.7	13.6	17.9	31.5
ARIZ	11.2	6.1	3.0	9.1	7.0	1.9	8.9
CALIF	140	83	17	100	114	14	128
NEV	2.2	.4	1.2	1.6	.9	1.3	2.2
REGION IX	153.4	89.5	21.2	110.7	121.9	17.2	139.1
IDAHO	10	1.0	3.0	4.0	7.0	3.0	10
OREG	14	5.3	3.4	8.7	12	3.0	15
WASH	20	6.0	4.0	10	16	6.0	22
REGION X	44	12.3	10.4	22.7	35	12	47
U S	794.0	253.1	290.9	544.0	434.6	290.4	725.0

1/ BEGINNING WITH JUL 1977, FIELD AND LIVESTOCK WORKERS ARE PUBLISHED SEPARATELY. 2/ REGION I: CONN, MAINE, MASS, N H, R I, AND VT.

HOURS WORKED PER WORKER, APRIL 1977 AND JANUARY 1978 (REVISED)

STATE AND REGION	APR 10-16, 1977				JAN 8-14, 1978			
	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/	33.5	27.3	31.6	36.3	32.9	33.8	33.1	36.5
N J	45.9	32.6	40.3	36.1	29.4	35.3	30.7	32.4
N Y	44.2	35.4	41.2	37.1	37.9	42.4	39.1	40.0
REGION II	44.5	34.7	41.0	36.9	36.7	41.6	37.9	38.7
DEL	41.3	34.7	38.9	39.7	36.0	36.0	36.0	35.1
MD	40.7	36.5	39.4	31.7	34.0	37.0	34.8	40.0
PA	45.6	30.0	39.3	38.1	34.2	30.1	32.7	42.0
VA	28.0	35.9	29.6	36.0	20.7	33.2	22.9	33.5
W VA	30.2	29.2	29.8	30.1	15.8	18.3	16.3	27.2
REGION III	36.2	31.3	33.7	36.1	26.9	30.1	27.8	38.0
ALA	21.2	26.9	22.2	40.0	16.5	23.1	17.2	25.9
FLA	32.0	30.5	31.6	36.6	27.1	32.3	27.6	33.7
GA	32.3	29.5	31.5	28.8	21.7	23.0	21.9	32.1
KY	27.9	27.9	27.9	34.0	24.3	31.2	25.8	25.2
MISS	24.9	25.8	25.0	43.6	15.0	24.4	15.5	28.5
N C	32.7	26.9	31.2	28.2	17.9	32.9	19.4	26.5
S C	34.4	34.5	34.5	32.8	18.0	27.0	19.0	25.0
TENN	21.9	34.3	23.7	38.4	15.3	20.8	16.0	29.2
REGION IV	26.4	29.1	27.0	34.7	19.3	27.3	20.4	30.1
ILL	47.7	38.2	44.7	41.1	24.9	33.3	26.3	34.7
IND	45.7	37.0	42.9	42.0	24.9	28.2	25.3	34.0
MICH	35.4	36.1	35.6	37.7	23.3	29.2	24.5	35.8
MINN	45.3	40.2	43.4	39.9	37.0	38.0	37.3	32.3
OHIO	33.3	28.7	31.6	37.7	26.0	27.5	26.5	35.0
WIS	56.9	38.7	49.7	41.5	54.6	35.2	45.9	37.9
REGION V	44.5	36.5	41.7	40.4	32.6	33.3	32.8	35.5
ARK	28.5	39.6	30.3	45.2	24.0	27.2	24.9	33.9
LA	27.1	32.5	28.0	42.8	22.0	36.0	25.3	35.7
N MEX	31.4	33.0	32.0	49.5	30.1	34.0	30.9	43.4
OKLA	27.4	29.7	28.0	28.4	21.9	30.8	23.5	27.2
TEX	29.8	28.5	29.5	43.5	23.4	33.4	24.7	38.6
REGION VI	28.8	30.4	29.1	42.3	23.2	31.5	24.6	36.6
IOWA	48.5	34.5	43.9	40.7	33.2	28.4	32.0	28.4
KANS	38.0	34.8	37.0	35.0	34.0	30.6	33.3	32.5
MO	34.8	33.9	34.6	43.3	23.7	32.6	25.2	30.0
NEBR	40.3	37.7	39.6	42.0	34.2	31.0	33.4	31.2
REGION VII	41.5	34.8	39.5	40.8	30.5	30.3	30.4	30.1
COLO	37.0	36.5	36.9	36.5	27.0	26.0	26.7	36.8
MONT	57.2	45.4	52.3	50.2	44.0	33.0	40.7	48.0
N DAK	50.4	37.0	44.4	38.9	32.3	30.1	31.5	38.2
S DAK	52.9	39.4	46.9	48.0	35.0	29.5	33.1	39.0
UTAH	45.4	30.9	39.9	27.2	26.4	36.0	28.2	34.0
WYO	48.8	42.1	46.8	47.6	33.4	30.2	31.2	44.5
REGION VIII	48.5	38.6	44.7	41.0	32.9	29.8	31.8	39.2
ARIZ	46.5	27.8	37.9	45.8	36.3	31.4	34.3	38.9
CALIF	32.9	36.1	33.5	43.4	29.2	34.9	30.4	36.0
NEV	54.5	30.9	44.7	50.7	37.1	35.0	36.7	50.3
REGION IX	34.0	34.7	34.1	43.7	30.2	34.3	31.1	36.5
IDAHO	45.5	35.7	42.6	48.8	34.2	43.6	37.1	43.0
OREG	31.8	30.5	31.5	38.8	21.9	29.4	23.3	35.8
WASH	32.9	39.0	34.3	34.7	20.0	32.0	21.0	32.9
REGION X	35.9	38.3	36.5	39.9	23.4	35.9	25.5	35.9
U S	36.7	34.1	35.8	39.7	27.6	31.7	28.5	34.6

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

STATE AND REGION	APR 9-15, 1978			
	FARM OPERATOR	OTHER UNPAID FAMILY MEMBERS <sup>1/</sup>	ALL FAMILY <sup>1/</sup>	HIRED WORKERS
HOURS				
REGION I <sup>2/</sup>	40.8	35.4	39.5	37.4
N J	38.1	33.3	36.4	37.2
N Y	41.6	37.5	40.4	36.9
REGION II	41.1	36.7	39.7	36.9
DEL	42.7	38.2	41.3	37.8
MD	33.9	44.9	37.7	42.4
PA	41.0	33.7	38.5	40.0
VA	29.3	35.3	30.3	31.7
W VA	18.8	32.9	20.8	34.1
REGION III	33.8	35.4	34.2	37.4
ALA	23.8	30.8	25.0	28.5
FLA	26.7	32.2	27.6	36.0
GA	27.6	28.1	27.7	31.3
KY	31.6	27.8	30.9	27.6
MISS	27.8	26.5	27.5	39.5
N C	28.3	31.1	28.8	26.2
S C	27.1	34.2	28.5	28.0
TENN	25.6	28.1	26.1	31.3
REGION IV	27.6	29.3	27.9	32.1
ILL	34.4	33.6	34.2	33.1
IND	31.3	27.7	30.6	43.0
MICH	32.8	35.2	33.6	35.7
MINN	41.9	32.5	38.5	34.2
OHIO	33.6	30.1	32.6	35.5
WIS	53.8	36.3	47.0	36.8
REGION V	38.5	33.1	36.9	36.4
ARK	30.6	32.5	31.0	43.6
LA	26.1	34.9	27.1	41.5
N MEX	32.9	31.6	32.5	48.1
OKLA	29.2	34.4	30.5	40.5
TEX	32.7	37.1	33.7	42.5
REGION VI	30.8	35.0	31.7	42.7
IOWA	43.6	32.2	39.1	34.5
KANS	42.2	37.7	40.9	36.4
MO	30.0	38.0	31.6	31.4
NEBR	44.7	34.5	41.3	41.0
REGION VII	38.8	34.4	37.5	35.3
COLO	36.8	37.3	36.9	45.0
MONT	51.8	36.7	45.9	45.4
N DAK	40.5	32.9	37.7	40.3
S DAK	45.1	36.4	42.5	50.5
UTAH	39.7	34.8	37.7	39.2
WYO	42.8	43.8	43.2	54.0
REGION VIII	42.7	35.6	40.3	45.5
ARIZ	46.7	27.9	38.0	47.0
CALIF	33.0	32.3	32.9	41.0
NEV	50.4	36.8	44.5	48.8
REGION IX	34.3	32.0	33.7	41.7
IDAHO	43.5	32.0	40.3	42.0
OREG	31.8	27.6	30.6	38.3
WASH	32.2	42.0	34.6	35.8
REGION X	34.8	32.9	34.6	37.8
U S	35.0	33.6	34.7	37.7

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

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	3.13	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	3.12	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/	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	2.30	2.90	2.92	3.03
N DAK	2.91	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 & 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
MDNT	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 APR 1977 SURVEY. 4/ MAINTENANCE, BOOKKEEPING, AND OTHERS COMBINED TO BE COMPARABLE TO JUL 1977 DATA.

FARM WAGE RATES BY METHOD OF PAY JANUARY 8-14, 1978 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/	2.80	2/	2.84	2.97	2.89	2.90
N J	3.23	2/	3.23	3.05	3.41	3.15
N Y	2.85	2/	2.85	2.92	3.32	3.16
REGION II	2.90	2/	2.90	2.94	3.34	3.16
DEL	3.19	2/	3.19	3.05	3.25	3.25
MD	2.70	2/	2.76	3.20	3.25	3.15
PA	2.94	2/	2.94	3.20	3.10	3.30
VA	2.63	2/	2.63	2.63	3.02	2.65
W VA	2.50	2/	2.48	2.50	2.70	2.50
REGION III	2.81	2.36	2.82	3.05	3.09	3.09
ALA	2.76	2/	2.70	2.85	2.95	2.90
FLA	3.66	4.17	3.45	3.22	3.72	3.27
GA	2.81	2/	2.79	2.58	2.80	2.73
KY	2.53	2/	2.53	2.35	2.56	2.40
MISS	3.19	2/	3.19	2.97	3.13	3.00
N C	3.03	2/	3.02	2.77	3.28	2.82
S C	2.73	2/	2.73	2.50	2.70	2.60
TENN	2.71	2/	2.70	2.50	2.69	2.55
REGION IV	3.22	4.05	3.06	2.94	3.36	3.02
ILL	3.27	3.00	3.31	3.40	3.50	3.40
IND	3.16	2/	3.16	3.16	3.49	3.10
MICH	3.11	2/	3.11	2.95	3.15	3.00
MINN	2.96	2/	2.95	3.10	3.30	3.15
OHIO	2.90	2/	2.90	3.20	3.60	3.25
WIS	2.49	2/	2.49	3.00	2.90	3.05
REGION V	2.90	3.15	2.89	3.12	3.33	3.17
ARK	2.91	2/	2.90	2.76	3.20	2.90
LA	2.96	2/	2.97	2.85	3.05	2.95
N MEX	2.74	2/	2.71	2.72	3.00	2.90
OKLA	2.92	2/	2.91	2.97	2.93	3.08
TEX	2.78	2/	2.78	2.63	2.93	2.75
REGION VI	2.82	2.88	2.82	2.69	2.99	2.83
IOWA	3.10	2/	3.10	2.99	3.48	3.17
KANS	3.47	2/	3.47	3.05	3.65	3.10
MO	2.83	2/	2.85	2.84	3.10	2.87
NEBR	3.09	2/	3.09	2.82	3.40	2.90
REGION VII	3.12	2/	3.12	2.94	3.39	2.99
COLO	3.48	2/	3.48	3.19	3.20	2.94
MONT	2.50	2/	2.50	2.90	2.80	2.91
N DAK	3.30	2/	3.30	3.42	3.96	3.72
S DAK	2.25	2/	2.25	2.31	2.54	2.41
UTAH	2.79	2/	2.79	2.64	2.93	2.63
WYO	2.83	2/	2.83	2.99	3.30	3.01
REGION VIII	2.95	2/	2.95	3.02	3.07	2.86
ARIZ	3.25	3.10	3.25	3.00	3.22	3.10
CALIF	3.91	4.45	3.92	3.65	3.83	3.52
NEV	2.67	2/	2.67	3.10	3.30	3.10
REGION IX	3.81	4.42	3.81	3.58	3.76	3.48
IDAHO	3.19	2/	3.19	2.97	3.41	2.90
OREG	3.32	3.71	3.30	3.17	3.64	3.17
WASH	3.89	4.14	3.86	3.41	3.98	3.42
REGION X	3.52	4.04	3.48	3.24	3.72	3.23
U S	3.18	4.00	3.14	3.13	3.40	3.18

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, JANUARY 8-14, 1978 BY STATES,  
STANDARD FEDERAL REGIONS AND UNITED STATES (REVISED)

STATE AND REGION	FARM WAGE RATES - TYPE OF WORK PERFORMED						
	FIELD AND LIVESTOCK WORKERS	FIELD WORKERS	LIVESTOCK WORKERS	PACKING-HOUSE WORKERS	MACHINE OPERATORS	SUPERVISORS	OTHER AGRICULTURAL WORKERS 3/
DOLLARS PER HOUR							
REGION I 1/	2.45	3.20	2.09	3.07	2/	4.45	2.99
N J	2.82	3.00	2.60	2.83	2/	5.28	3.55
N Y	2.50	2.96	2.40	2.95	2/	5.25	3.62
REGION II	2.54	2.97	2.41	2.91	3.51	5.26	3.61
DEL	2.77	2.85	2.70	2.82	3.00	4.51	3.40
MD	2.38	2.62	2.30	2.80	3.25	4.60	3.40
PA	2.63	2.87	2.50	3.30	2/	4.96	2/
VA	2.52	2.58	2.48	2/	2/	3.43	2.80
W VA	2.28	2.40	2.20	2/	2/	2/	2/
REGION III	2.55	2.73	2.45	3.16	3.21	4.36	3.22
ALA	2.46	2.23	2.59	2/	3.20	5.00	3.35
FLA	3.41	3.47	3.07	3.32	3.45	5.62	4.37
GA	2.60	2.55	2.63	2/	2.80	4.20	2.71
KY	2.54	2.45	2.60	2/	2/	2/	2.28
MISS	2.74	2.90	2.64	2/	2.90	5.22	2/
N C	2.74	2.85	2.70	2.61	3.22	2/	3.54
S C	2.43	2.20	2.60	2/	2.60	4.39	2.83
TENN	2.58	2.60	2.55	2/	2.80	3.80	2/
REGION IV	2.98	3.16	2.70	3.06	3.18	5.13	3.48
ILL	2.91	3.00	2.90	2/	2/	5.60	4.00
IND	2.81	2.60	2.88	3.38	2/	5.50	2/
MICH	2.69	2.62	2.70	3.13	3.80	4.90	4.00
MINN	2.70	2.40	2.71	2/	3.88	5.60	2/
OHIO	2.53	2.85	2.37	2/	2/	5.00	4.20
WIS	2.32	2.10	2.35	2/	2/	2/	2/
REGION V	2.58	2.60	2.58	3.04	3.58	5.06	4.01
ARK	2.57	2.86	2.42	2.65	3.00	4.80	3.20
LA	2.73	2.65	2.75	2/	2.85	4.50	3.20
N MEX	2.52	2.53	2.52	2/	2.65	4.50	2.95
OKLA	2.68	3.00	2.63	2/	2/	4.09	3.36
TEX	2.59	2.60	2.58	2.71	2.96	4.30	2/
REGION VI	2.60	2.64	2.58	2.74	2.95	4.39	2.85
IOWA	2.93	2.72	2.95	2/	3.68	2/	2/
KANS	3.01	3.10	3.00	2/	4.00	2/	3.90
MO	2.63	2.75	2.60	2/	3.00	5.30	2/
NEBR	2.96	3.10	2.95	2/	3.25	4.40	3.24
REGION VII	2.89	2.84	2.90	3.17	3.62	5.14	3.45
COLO	2.93	3.10	2.90	2.74	2/	5.40	3.57
MONT	2.32	2.30	2.32	2/	2/	3.60	2/
N DAK	3.09	2/	3.10	3.43	3.50	4.30	3.87
S DAK	2.19	2.20	2.19	3.10	2.90	3.82	3.12
UTAH	2.51	2.57	2.51	2/	2/	4.10	2/
WYO	2.67	2.60	2.67	2/	3.24	4.09	2/
REGION VIII	2.61	2.89	2.58	2.83	3.39	4.75	3.36
ARIZ	2.91	2.93	2.87	2/	3.33	4.75	3.62
CALIF	3.57	3.65	3.29	3.91	4.25	5.60	4.60
NEV	2.50	2.50	2.50	2.90	2/	3.70	2.56
REGION IX	3.49	3.59	3.17	3.81	4.01	5.45	4.45
IDAHO	2.92	3.31	2.75	2.61	3.80	4.16	3.55
OREG	3.01	3.09	2.92	3.35	3.70	5.20	4.20
WASH	3.62	3.80	3.40	3.25	3.90	5.55	4.56
REGION X	3.23	3.42	3.04	3.16	3.82	5.02	4.19
U S	2.90	3.20	2.67	3.17	3.39	5.02	3.59

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/ BEGINNING WITH JUL 1977, MAINTENANCE AND BOOKKEEPING WORKERS ARE INCLUDED WITH OTHER AGRICULTURAL WORKERS.

FARM WAGE RATES BY METHOD OF PAY, APRIL 9-15, 1978, 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/	2.80	2/	2.80	2.85	2.92	2.83
N J	3.14	2/	3.12	2.99	3.37	3.08
N Y	2.71	2/	2.72	2.83	3.06	2.88
REGION II	2.79	2.66	2.79	2.87	3.13	2.93
DEL	3.22	2/	3.22	2.86	3.32	2.92
MD	3.07	2/	3.06	3.24	3.38	3.39
PA	2.68	2/	2.68	2.95	2.95	2.85
VA	2.62	2/	2.63	2.61	3.02	2.82
W VA	2.69	2/	2.70	2.49	2.70	2.70
REGION III	2.73	2.76	2.73	2.87	3.02	2.90
ALA	2.68	2/	2.67	2.88	2.65	2.98
FLA	3.38	3.91	3.25	3.09	3.38	3.11
GA	2.79	3.90	2.71	2.80	3.00	2.93
KY	2.81	2/	2.81	2.65	2.97	2.85
MISS	2.89	2/	2.88	2.71	2.81	2.75
N C	2.61	2/	2.61	2.61	2.78	2.71
S C	2.59	2/	2.59	2.54	2.60	2.63
TENN	2.72	2/	2.69	2.52	2.62	2.53
REGION IV	2.96	3.82	2.88	2.81	3.03	2.90
ILL	3.16	2/	3.16	2.95	3.35	3.10
IND	3.13	2/	3.13	3.17	3.50	3.12
MICH	3.09	2/	3.09	3.23	3.26	3.27
MINN	3.02	2/	3.00	3.21	3.45	3.51
OHIO	2.91	3.21	2.90	2.92	3.13	2.98
WIS	2.53	2/	2.53	2.92	2.95	3.00
REGION V	2.90	2.99	2.90	3.04	3.24	3.13
ARK	2.99	2/	2.99	2.74	2.89	2.78
LA	2.86	2/	2.85	2.85	2.78	2.75
N MEX	2.45	2/	2.45	2.55	2.81	2.54
OKLA	2.97	2/	2.97	2.97	3.11	2.96
TEX	2.70	2/	2.68	2.66	2.83	2.70
REGION VI	2.79	3.29	2.78	2.73	2.84	2.74
IOWA	2.95	2/	2.95	3.16	3.67	3.45
KANS	3.47	2/	3.47	3.05	3.39	3.16
MO	2.84	2/	2.84	2.85	3.20	2.90
NEBR	3.08	3.00	3.08	2.96	3.36	2.99
REGION VII	3.06	3.39	3.06	3.00	3.41	3.16
COLO	3.10	2/	3.11	2.80	3.34	2.80
MONT	2.72	2/	2.70	2.99	3.11	3.05
N DAK	3.40	2/	3.40	3.38	3.46	3.65
S DAK	2.36	2/	2.36	2.60	2.80	2/
UTAH	2.61	2/	2.61	2.90	2.92	2.99
WYO	2.52	2/	2.52	3.10	3.05	3.35
REGION VIII	2.84	2/	2.84	2.95	3.23	2.94
ARIZ	3.49	2/	3.49	3.28	3.26	3.10
CALIF	3.73	4.75	3.65	3.42	3.61	3.40
NEV	2.67	2/	2.67	3.30	3.40	3.35
REGION IX	3.69	4.67	3.62	3.13	3.58	3.38
IDAHO	3.29	2/	3.29	3.32	3.24	3.05
OREG	3.22	2/	3.22	3.14	3.32	3.17
WASH	3.68	3.65	3.68	3.62	3.66	3.56
REGION X	3.47	3.60	3.46	3.45	3.48	3.38
U S	3.09	3.93	3.05	3.03	3.22	3.08

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 9-15, 1978, BY STATES,  
STANDARD FEDERAL REGIONS AND UNITED STATES

STATE AND REGION	FARM WAGE RATES - TYPE OF WORK PERFORMED						
	FIELD AND LIVESTOCK WORKERS	FIELD WORKERS	LIVESTOCK WORKERS	PACKING- HOUSE WORKERS	MACHINE OPERATORS	SUPERVISORS	OTHER AGRICULTURAL WORKERS 3/
DOLLARS PER HOUR							
REGION I 1/	2.44	2.71	2.20	2.82	2/	4.10	3.38
N J	2.96	3.08	2.53	3.00	3.20	4.72	3.26
N Y	2.47	2.96	2.20	2/	2/	2/	3.07
REGION II	2.55	3.00	2.22	2.99	2.93	4.62	3.10
DEL	2.90	2.90	2.90	2/	3.25	4.90	3.23
MD	2.79	2.94	2.61	2/	3.25	4.75	3.55
PA	2.43	2.60	2.30	3.50	2/	5.30	2/
VA	2.45	2.43	2.48	2/	3.06	4.10	2/
W VA	2.48	2.60	2.20	2/	2/	2/	2/
REGION III	2.49	2.60	2.38	3.37	3.34	4.78	3.71
ALA	2.36	2.37	2.33	2.71	2.94	2/	3.21
FLA	3.14	3.16	3.06	3.13	3.27	5.12	4.24
GA	2.46	2.38	2.65	2/	2.92	2/	2.98
KY	2.58	2.56	2.64	2/	3.29	2/	2/
MISS	2.79	2.51	2.86	2/	2.65	4.74	3.06
N C	2.50	2.46	2.61	2/	2.50	2/	2/
S C	2.36	2.31	2.63	2/	2.60	2/	2/
TENN	2.50	2.50	2.50	2/	2.80	2/	2/
REGION IV	2.75	2.76	2.74	3.07	2.82	4.89	3.39
ILL	2.90	3.00	2.80	2/	2/	5.80	3.50
IND	2.67	2.90	2.60	2/	3.32	2/	3.85
MICH	2.88	2.90	2.86	2/	3.90	2/	4.10
MINN	2.54	2.50	2.55	2/	3.72	5.80	2/
OHIO	2.61	2.64	2.75	2/	2/	2/	4.09
WIS	2.29	2.20	2.30	2/	2/	2/	2/
REGION V	2.59	2.78	2.52	3.11	3.39	5.29	3.59
ARK	2.82	2.72	2.92	2.80	3.00	4.50	2.80
LA	2.69	2.54	3.02	2/	2.75	4.91	3.74
N MEX	2.26	2.26	2.26	2.65	2.65	3.90	2.83
OKLA	2.75	3.09	2.60	2.94	3.08	4.05	2.92
TEX	2.59	2.63	2.56	2.81	2.60	4.00	2/
REGION VI	2.61	2.63	2.60	2.83	2.78	4.19	2.93
IOWA	2.64	3.13	2.56	2/	3.13	2/	2/
KANS	2.97	3.15	2.82	2/	3.80	5.35	3.71
MO	2.67	2.78	2.63	2/	2.93	2/	3.00
NEBR	2.75	2.69	2.84	2/	3.00	4.60	3.30
REGION VII	2.73	2.86	2.66	3.31	3.20	4.87	3.41
COLO	2.92	3.22	2.51	2/	2.85	4.91	3.95
MONT	2.49	2.57	2.43	2/	2.87	3.60	3.04
N DAK	2.93	2.80	2.98	3.68	3.62	2/	3.60
S DAK	2.33	2.40	2.31	2/	2/	2/	2/
UTAH	2.45	2.72	2.36	2/	2/	2/	2.81
WYO	2.28	2.48	2.22	2/	3.00	4.49	2/
REGION VIII	2.59	2.91	2.41	3.48	3.22	4.47	3.26
ARIZ	3.08	3.10	3.00	3.52	3.39	5.44	3.99
CALIF	3.43	3.43	3.42	3.76	3.85	5.62	4.63
NEV	2.47	2.50	2.45	2.45	3.05	3.80	2.60
REGION IX	3.39	3.40	3.29	3.70	3.78	5.56	4.47
IDAHO	3.10	3.21	2.75	3.10	3.23	4.50	3.48
OREG	3.00	3.08	2.75	2/	3.35	4.76	3.89
WASH	3.47	3.49	3.44	3.43	3.73	5.30	4.40
REGION X	3.26	3.31	3.15	3.31	3.49	4.93	3.93
U S	2.84	3.01	2.61	3.17	3.10	4.93	3.53

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/ BEGINNING WITH JUL 1977, MAINTENANCE AND BOOKKEEPING WORKERS ARE INCLUDED WITH OTHER AGRICULTURAL WORKERS.

### HAWAII FARM LABOR

Workers on Hawaii's farms and ranches during the survey week of April 9-15, 1978 numbered 15,000, up 8.7 percent from the comparable week a year ago. The total was made up of 11,100 hired workers and 3,900 farm operators and unpaid family members working 15 hours or more. Field and livestock workers accounted for 5,500, or 50 percent of all hired workers.

All hired workers received a wage rate equivalent of \$5.10 per hour, an increase of 58 cents over the same period last year.

Operators and unpaid family members worked an average of 30.0 hours during the survey week. Hired workers averaged 38.3 hours.

HAWAII FARM WAGE RATES BY METHOD OF PAY AND TYPE OF WORK,  
APRIL 9-15, 1978, WITH COMPARISONS

METHOD OF PAY	DOLLARS PER HOUR		
	APR 10-16, 1977	JAN 8-14, 1978	APR 9-15, 1978
ALL HIRED FARM WORKERS	4.52	4.90	5.10
PAID BY OTHER THAN PIECE-RATE	4.52	4.92	5.10
PAID BY HOUR ONLY	4.33	4.90	4.95
PAID BY HOUR CASH WAGES ONLY	2.98	3.02	3.50
FIELD WORKERS <sup>1/</sup>		4.21	4.48
LIVESTOCK WORKERS <sup>1/</sup>		3.67	3.90
FIELD AND LIVESTOCK WORKERS	3.77	4.15	4.39
MACHINE OPERATORS	5.01	5.25	5.40
MAINTENANCE AND BOOKKEEPING	5.23	2/	2/
SUPERVISORS	6.52	7.00	7.10

<sup>1/</sup> BEGINNING WITH JUL 1977 FIELD AND LIVESTOCK WORKERS WILL BE PUBLISHED SEPARATELY.

<sup>2/</sup> ESTIMATES FOR MAINTENANCE AND BOOKKEEPING WORKERS CONCLUDES WITH THE APR 1977 SURVEY.

### PUERTO RICO WORKERS TOTALED 33,000

Hired workers on Puerto Rico farms numbered 33,000 during the survey week of April 9-15, 1978. This number compares with 25,000 workers during the January survey week and 31,000 a year ago. The number working in fields and with livestock was 30,000, or 91 percent of all workers. Packinghouse employees, machine operators, supervisors, and others made up the remaining 3,000 hired farm workers.

Hired workers averaged 29.2 hours of work, 2.2 hours less than January and down 1.5 hours for the same month in 1977.

Workers were paid \$1.87 for all methods of pay converted to an hourly rate. Last April the rate was \$1.64. Wages for field and livestock workers averaged \$1.77, up 21 cents per hour from the comparable period last year.

NUMBER OF FIELD AND LIVESTOCK WORKERS ON FARMS HIRED BY FARM OPERATORS AND AGRICULTURAL SERVICE FIRMS 1/ FOUR QUARTER AVERAGE (JULY 1977, OCTOBER 1977, JANUARY 1978 AND APRIL 1978)

STATE	ALL WORKERS	REGULAR WORKERS 150 DAYS OR MORE	SEASONAL WORKERS		CASUAL WORKERS LESS THAN 25 DAYS
			149 DAYS OR LESS	25 TO 149 DAYS	
THOUSANDS					
ALA	17.5	8.9	8.6	3.6	5.0
ARIZ	11.7	8.5	3.2	2.1	1.1
ARK	15.0	8.1	6.9	3.1	3.8
CALIF	184.7	102.0	82.7	64.0	18.7
COLO	12.9	8.7	4.2	3.1	1.1
CONN	5.5	2.7	2.8	1.9	.9
DEL	1.6	1.2	.4	.4	
FLA	58.4	33.2	25.2	19.2	6.0
GA	19.2	8.5	10.7	3.7	7.0
HAW	6.3	5.2	1.1	1.0	.1
IDAHO	11.6	5.2	6.4	3.6	2.8
ILL	26.9	12.2	14.7	8.6	6.1
IND	17.9	8.3	9.6	3.8	5.8
IOWA	29.9	13.5	16.4	4.4	12.0
KANS	9.4	5.2	4.2	1.8	2.4
KY	22.3	7.5	14.8	6.7	8.1
LA	8.8	6.6	2.2	1.5	.7
MAINE	6.3	1.8	4.5	3.5	1.0
MD	6.9	5.0	1.9	1.3	.6
MASS	7.3	4.0	3.3	1.9	1.4
MICH	18.7	10.6	8.1	5.0	3.1
MINN	22.2	10.8	11.4	4.7	6.7
MISS	13.1	8.8	4.3	1.8	2.5
MO	14.6	8.5	6.1	3.9	2.2
MONT	4.2	3.2	1.0	.9	.1
NEBR	13.9	7.6	6.3	2.1	4.2
NEV	2.1	1.9	.2	.2	
N H	1.7	1.3	.4	.4	
N J	8.1	5.0	3.1	2.6	.5
N MEX	5.9	4.2	1.7	.6	1.1
N Y	28.4	19.1	9.3	6.5	2.8
N C	54.5	12.1	42.4	12.9	29.5
N DAK	3.5	2.0	1.5	1.4	.1
OHIO	19.6	11.7	7.9	5.7	2.2
OKLA	8.8	4.6	4.2	1.9	2.3
OREG	23.1	6.6	16.5	8.7	7.8
PA	27.4	19.2	8.2	6.2	2.0
R I	.4	.3	.1	.1	
S C	12.7	3.7	9.0	2.9	6.1
S DAK	6.6	4.4	2.2	1.0	1.2
TENN	18.0	7.0	11.0	4.3	6.7
TEX	62.7	32.8	29.9	19.9	10.0
UTAH	4.3	2.8	1.5	.8	.7
VT	4.5	3.6	.9	.6	.3
VA	18.4	10.1	8.3	3.4	4.9
WASH	29.1	9.8	19.3	9.9	9.4
W VA	3.3	1.7	1.6	.9	.7
WIS	37.0	25.5	11.5	6.5	5.0
WYO	3.9	3.1	.8	.7	.1
P R	28.2	18.7	9.5	8.2	1.3
U S 2/	979.0	517.0	462.0	263.9	198.1

1/ AGRICULTURAL SERVICES INCLUDE SERVICES FOR SOIL PREPARATION, CROPS, LIVESTOCK (EXCLUDES ANIMAL SPECIALTIES), FARM LABOR AND MANAGEMENT. 2/ INCLUDES PUERTO RICO.

NUMBER OF FIELD WORKERS ON FARMS HIRED BY FARM OPERATORS AND AGRICULTURAL SERVICE FIRMS 1/  
FOUR QUARTER AVERAGE (JULY 1977, OCTOBER 1977, JANUARY 1978 AND APRIL 1978)

STATE	ALL WORKERS	REGULAR WORKERS 150 DAYS OR MORE	SEASONAL WORKERS		CASUAL WORKERS LESS THAN 25 DAYS
			749 DAYS OR LESS	25 TO 749 DAYS	
THOUSANDS					
ALA	11.5	4.3	7.2	2.5	4.7
ARIZ	9.7	6.7	3.0	2.0	1.0
ARK	9.0	3.8	5.2	1.4	3.8
CALIF	166.8	84.3	82.5	63.8	18.7
COLO	6.7	3.6	3.1	2.0	1.1
CONN	4.4	1.7	2.7	1.9	.8
DEL	1.0	.6	.4	.3	.1
FLA	52.3	27.3	25.0	19.2	5.8
GA	13.7	4.5	9.2	2.6	6.6
HAW	5.7	4.6	1.1	1.0	.1
IDAHO	9.0	3.1	5.9	3.2	2.7
ILL	18.5	5.2	13.3	7.5	5.8
IND	10.9	3.2	7.7	2.1	5.6
IOWA	17.3	3.3	14.0	2.4	11.6
KANS	4.4	1.8	2.6	1.0	1.6
KY	17.6	4.4	13.2	5.7	7.5
LA	5.6	3.6	2.0	1.3	.7
MAINE	5.0	1.0	4.0	3.2	.8
MD	4.0	2.6	1.4	1.2	.2
MASS	5.3	2.3	3.0	1.8	1.2
MICH	12.6	4.8	7.8	4.8	3.0
MINN	14.4	4.5	9.9	3.9	6.0
MISS	6.1	2.4	3.7	1.5	2.2
MO	7.7	3.6	4.1	2.5	1.6
MONT	1.8	1.1	.7	.6	.1
NEBR	8.3	2.9	5.4	1.6	3.8
NEV	.8	.7	.1	.1	
N H	1.1	.8	.3	.3	
N J	6.9	4.0	2.9	2.4	.5
N MEX	3.2	1.7	1.5	.5	1.0
N Y	15.2	7.7	7.5	5.3	2.2
N C	48.1	7.0	41.1	11.9	29.2
N DAK	2.6	1.2	1.4	1.3	.1
OHIO	15.1	7.6	7.5	5.3	2.2
OKLA	4.3	1.5	2.8	.8	2.0
OREG	19.9	4.2	15.7	8.3	7.4
PA	17.6	10.9	6.7	4.8	1.9
R I	.3	.3			
S C	10.4	2.0	8.4	2.7	5.7
S DAK	2.8	1.4	1.4	.4	1.0
TENN	14.3	4.0	10.3	3.7	6.6
TEX	41.4	15.5	25.9	17.2	8.7
UTAH	1.9	.8	1.1	.4	.7
VT	1.6	1.0	.6	.3	.3
VA	12.6	4.9	7.7	2.8	4.9
WASH	25.2	5.9	19.3	9.7	9.6
W VA	2.6	1.0	1.6	.9	.7
WIS	13.7	5.1	8.6	4.5	4.1
WYO	1.5	.8	.7	.6	.1
P R	25.9	16.9	9.0	7.7	1.3
U S 2/	718.3	298.1	420.2	232.9	187.3

1/ AGRICULTURAL SERVICES INCLUDE SERVICES FOR SOIL PREPARATION, CROPS, LIVESTOCK (EXCLUDING ANIMAL SPECIALTIES), FARM LABOR AND MANAGEMENT. 2/ INCLUDES PUERTO RICO.



# Mano De Obra Agropecuaria **FARM LABOR**



Economics, Statistics, &  
Cooperatives Service

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## 33,000 OBREROS AGRÍCOLES EN PUERTO RICO

El número de obreros agrícolas a jornal en Puerto Rico alcanzó a unos 33,000, según la encuesta llevada a cabo durante la semana del 9 al 15 de abril de 1978. Esto compara con los 25,000 obreros empleados en la semana encuestada en enero pasado y los 31,000 enumerados en abril del año pasado. Los obreros de campo, incluyendo los de la industria ganadera, se estimaron en unos 30,000; o sea, 91 por ciento del total empleado. El resto de la fuerza obrera está compuesto por los 3,000 que trabajan como empacadores, operadores de maquinarias, obreros de mantenimiento, contables, supervisores y otras clasificaciones. Los estimados incluyen los obreros empleados por los agricultores y por las firmas de servicios agrícolas.

El número de horas trabajadas promedió 29.2 horas durante la semana de la encuesta, 2.2 horas menos de enero pasado y 1.5 horas menos de abril de 1977.

El jornal por hora promedió \$1.87 incluyendo toda forma de pago. En abril de 1977 el promedio fue de \$1.64. El jornal de los obreros de campo y la ganadería promedió \$1.77; un aumento de 21 centavos sobre el promedio del año pasado.

JORNAL POR HORA POR SISTEMA DE PAGO Y CLASE DE TRABAJO EN PUERTO RICO  
 ABRIL 9-15, 1978  
 PUERTO RICO WAGE RATES BY METHOD OF PAY AND TYPE OF WORK,  
 APRIL 9-15, 1978

JORNALES AGRICOLAS-FARM WAGE RATES				
ITEM	ABRIL (APRIL) 10-16, 1977	ENERO (JANUARY) 8-15, 1978	ABRIL (APRIL) 9-15, 1978	ITEM
EQUIVALENCIA EN DOLARES POR HORA		EQUIVALENT DOLLARS PER HOUR		
SISTEMA DE PAGO				METHOD OF PAY
TODA CLASE DE TRABAJADORES	1.64	1.65	1.87	ALL HIRED FARM WORKERS
PAGO POR TAREA	1.61	*	*	PIECE RATE
PAGO EN OTRA FORMA	1.64	1.65	1.91	PAID BY OTHER THAN PIECE RATE
PAGO POR HORA SOLAMENTE	1.64	1.63	1.99	PAID BY HOUR ONLY
PAGO EN EFECTIVO SOLAMENTE	1.65	1.70	2.11	PAID BY CASH ONLY
PAGO EN EFECTIVO POR HORA TRABAJADA	1.64	1.73	2.10	PAID BY HOUR CASH WAGES ONLY
CLASE DE TRABAJO				TYPE OF WORK PERFORMED
FAENAS DE CAMPO, INCLUYENDO GANADERIA	1.56	1.54	1.77	FIELD AND LIVESTOCK

\* NO HAY DATOS SUFICIENTES. \* INSUFFICIENT DATA.

PUERTO RICO WORKERS TOTALED 33,000

Hired workers on Puerto Rico farms numbered 33,000 during the survey week of April 9-15, 1978. This number compares with 25,000 workers during the January survey week and 31,000 a year ago. The number working in fields and with livestock was 30,000, or 91 percent of all workers. Packinghouse employees, machine operators, supervisors, and others made up the remaining 3,000 hired farm workers.

Hired workers averaged 29.2 hours of work, 2.2 hours less than January and down 1.5 hours for the same month in 1977.

Workers were paid \$1.87 for all methods of pay converted to an hourly rate. Last April the rate was \$1.64. Wages for field and livestock workers averaged \$1.77, up 21 cents per hour from the comparable period last year.