

DOCUMENT RESUME

ED 449 938

RC 022 793

AUTHOR Runyan, Jack L.
TITLE Profile of Hired Farmworkers, 1998 Annual Averages.
INSTITUTION Economic Research Service (USDA), Washington, DC.
REPORT NO AER-790
PUB DATE 2000-11-00
NOTE 52p.
AVAILABLE FROM Full text at Web site:
<http://www.ers.usda.gov/Publications/AER790/>.
PUB TYPE Numerical/Quantitative Data (110) -- Reports - Research
(143)
EDRS PRICE MF01/PC03 Plus Postage.
DESCRIPTORS *Agricultural Laborers; *Demography; Disadvantaged;
Educational Attainment; *Employment Patterns; Employment
Statistics; *Farm Labor; *Hispanic Americans; *Income; Labor
Supply; Low Income Groups; Migrant Workers; Tables (Data);
Undocumented Immigrants
IDENTIFIERS *Labor Force Analysis

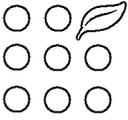
ABSTRACT

This report draws on data from the 1997 Census of Agriculture and the 1998 Current Population Survey earnings microdata file to present information on the patterns of farm labor use and the demographic and employment characteristics of hired farmworkers in the United States. Approximately 875,000 persons 15 years of age and older did hired farmwork each week as their primary job in 1998. Almost 19 percent were employed part-time, and over a third were not U.S. citizens. An additional 63,000 people did hired farmwork each week as their secondary job. Hired farmworkers were more likely than the typical U.S. wage and salary worker to be male, Hispanic, younger, less educated, never married, and not a U.S. citizen. About 57 percent of hired farmworkers completed less than the 12th grade, compared to 14 percent of all wage and salary workers. The West and South accounted for almost three-fourths of hired farmworkers. The rate of unemployment in the hired farm labor force was more than double that for all wage and salary workers. Hired farmworkers had one of the lowest median weekly earnings and one of the largest percentages of workers with family incomes less than \$20,000 in 1998. However, hired farmworkers' real median weekly earnings increased 4 percent between 1990 and 1998, while earnings for all wage and salary workers increased only 2 percent. Two appendices compare demographic and earnings characteristics of hired farmworkers and all wage and salary workers, 1990-98. (Contains 18 references, 19 tables, 25 figures, and a glossary.) (TD)

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Profile of Hired Farmworkers, 1998 Annual Averages

Jack L. Runyan

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National Agricultural Library Cataloging Record:

Runyan, Jack L.

Profile of hired farmworkers, 1998 annual averages.
(Agricultural economic report ; no. 790)

1. Agricultural laborers--United States--Statistics.
 2. Agricultural laborers--Employment--United States--Statistics.
 3. Agricultural laborers--United States--Economic conditions--Statistics.
 4. Agricultural laborers--United States--Social conditions--Statistics.
 5. Agricultural wages--United States--Statistics.
- I. United States. Dept. of Agriculture. Economic Research Service.
II. Title.

HD1525

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Profile of Hired Farmworkers, 1998 Annual Averages. By Jack L. Runyan.
Food and Rural Economics Division, Economic Research Service, U.S.
Department of Agriculture. Agricultural Economic Report No. 790.

Abstract

An average of 875,000 persons 15 years of age and older did hired farmwork each week as their primary job in 1998. An additional 63,000 people did hired farmwork each week as their secondary job. Hired farmworkers were more likely than the typical U.S. wage and salary worker to be male, Hispanic, younger, less educated, never married, and not U.S. citizens. The West (42 percent) and South (31.4 percent) census regions accounted for almost three-fourths of the hired farmworkers. The rate of unemployment in the hired farm labor force (11.8 percent) was more than double that (4.5 percent) for all wage and salary workers. Hired farmworkers were also more likely to be paid less than the minimum wage, and to be low-wage workers. Consequently, their median weekly earnings continued to be much lower than those of all wage and salary workers. However, hired farmworkers' real median weekly earnings increased 4 percent between 1990 and 1998, while earnings for all wage and salary workers increased only 2 percent. This report examines regional and structural patterns of farm labor use, and demographic and employment characteristics of hired farmworkers, using data from the 1997 Census of Agriculture and the 1998 Current Population Survey (CPS) earnings microdata file.

Keywords: Hired farmworkers, annual averages, demographic characteristics, hours worked, median weekly earnings.

Acknowledgments

Robert Gibbs (ERS), Karen Hamrick (ERS), and Al French (Office of Chief Economist, USDA) provided helpful comments. Alma Young (ERS) prepared the graphics used in the report. J.B. McCraw (ERS) edited the report. Anne E. Pearl (ERS) did the text layout and designed the cover.

1800 M Street, NW
Washington, DC 20036-5831

November 2000

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Summary

Hired farmworkers are an important part of agricultural production, accounting for about 30 percent of all farmworkers. Although important to agriculture, hired farmworkers continue to be one of the most disadvantaged groups in the United States. Approximately 875,000 people 15 years and older worked as farmworkers as their primary job each week in 1998. Almost 19 percent were employed part-time (less than 35 hours per week), and over a third were not U.S. citizens. Hired farmworkers had one of the lowest median weekly earnings and one of the largest percentages (50 percent) of workers with family incomes less than \$20,000 in 1998. This report, using data from the 1997 Census of Agriculture and the 1998 Current Population Survey earnings microdata file, presents information on the patterns of farm labor use and the demographic and employment characteristics of hired farmworkers to help inform the policy debate about the effects of proposed and changing legislation on the Nation's farmworkers.

More specific findings of this study are:

- Hired farmworkers were more likely than all wage and salary workers to be male, Hispanic, younger, less educated, never married, and not U.S. citizens. About 57 percent of hired farmworkers completed less than the 12th grade, in contrast to 14 percent of all wage and salary workers.
- An additional 63,000 people were employed as farmworkers for their secondary job each week. Most of these workers were employed in agricultural services (establishments that provide workers to farm employers for a fee).
- Almost 19 percent of the hired farm workforce were employed part-time (less than 35 hours per week) in 1998. These part-time workers were more likely than full-time hired farmworkers to be female, white, younger, never married, and U.S. citizens. More than half were employed in livestock production.
- In 1998, about 75 percent of hired farmworkers were employed in the South and West. Only 7 percent were employed in the Northeast. The Midwest and Northeast reported a higher percentage of white and lower percentage of Hispanic laborers. The South reported more black and other workers, and the West reported more Hispanic farmworkers than other regions.
- Over a third (34 percent) of farmworkers were not U.S. citizens. Almost 95 percent of these workers were Hispanic, and nearly three-quarters were employed in crop production and located in the West region.
- Males, white and black and other workers, workers 25–55 years old, workers with a 12th grade or higher education, and those employed in livestock all had higher median weekly earnings than all hired farmworkers. Hired farmworkers in the West region also had higher median weekly earnings.

- Hired farmworkers continue to experience lower wages and higher unemployment than all wage and salary workers. In 1998, the median weekly earnings of hired farmworkers were \$260, an increase of 4 percent (after adjusting for inflation) since 1990. During the same time period, median weekly earnings of all U.S. wage and salary workers increased 2 percent in real terms. Half of the hired farmworkers had family incomes amounting to less than \$20,000 in 1998. Unemployment among the hired farm labor force was 11.8 percent, compared with 4.5 percent for the total wage and salary labor force.

Profile of Hired Farmworkers, 1998 Annual Averages

Jack L. Runyan

Introduction

Hired farmworkers, a small part of U.S. wage and salary workers (less than 1 percent in 1998), are an important part of agricultural production, accounting for about 30 percent of farmworkers. Farm operators and unpaid family workers comprise the other 70 percent (U.S. Department of Agriculture, *Farm Labor*, 1998).¹ Although important to agriculture, hired farmworkers continue to be one of the most disadvantaged groups in the United States, experiencing low wages, seasonal employment, weak attachment to the labor force, and limited nonfarm employment opportunities.

The hired farmworker market has some characteristics that, when taken together, make it unique. Some of these characteristics are a high percentage of migrant laborers, undocumented workers, and labor turnover. These characteristics also often impact farming communities by causing an influx of large numbers of transient workers who do not fit neatly into the ethnic, cultural, education, language, and wealth makeup of the community (Denton, 1999; Martin, 1998; and Mines and Alarcon, 1999).

Some agricultural industries, such as fruit and vegetable production, depend on sizeable numbers of migrant farmworkers to harvest crops and perform various tasks during the growing season (Emerson and Roka, 1999; and Thilmany, 1999). Migrant farmworkers average about 12 percent of all U.S. hired farmworkers, but may reach up to 75 percent in some areas (citrus and vegetable harvesting in Florida) (Emerson and Roka, 1999; and U.S. Department of Agriculture, *Farm Labor*, 1999). The availability of an adequate number of seasonal workers who migrate has become

an issue of increasing concern. Some members of the U.S. Congress have introduced legislation in the past 3 years to create new or to improve the existing guest workers programs (H2-A) that allow U.S. farm employers who qualify to hire alien workers for temporary employment.

Undocumented workers are non-U.S. residents who do not have official permission to work in the United States. It is nearly impossible to say how many undocumented workers are employed as hired farmworkers in the United States; estimates run from 30 to 70 percent of the hired farmworkers in some areas and in some crops (Mason, 1998; and Thilmany, 1999). On the surface, a work force with a high percentage of undocumented workers would appear to be unstable, but a constant stream of these workers may give a false sense of stability. There are many reports of these workers not being offered the same legal protections as documented workers and U.S. citizens.

Many hired farmworkers do not speak English (one-third are noncitizens, of which about 95 percent are Hispanic) and have less than a high school education (Martin, 1998). Lack of language skills and education limits these workers in their ability to obtain alternative employment to supplement their income or to move out of hired farm labor. When a large percentage of a work force has limited employment alternatives and there appears to be a ready supply of undocumented workers to fill vacancies, labor shortages (at least nationwide) appear remote and employers have little incentive to increase wages or adopt labor-saving technologies. According to Mines and Alarcon (1999) and Thilmany (1999), many employers have refrained from altering production enterprises or practices due to a lack of concern about labor shortages.

U.S. labor-intensive farming is becoming vulnerable to international competition (Mines and Alarcon, 1999).

¹In times of peak labor use (July), hired workers account for about 33 percent of farmworkers, and in off-peak times, they account for about 28 percent (U.S. Department of Agriculture, *Farm Labor*).

Many competing countries pay substantially lower wages and have less stringent health and safety standards for both workers and products. That being the case, operators of labor-intensive farm enterprises will need to adjust their practices to remain competitive.

This report presents information on the patterns of farm labor use and the demographic and employment characteristics of hired farmworkers to help inform the policy debate about the effects of proposed and changing legislation on the Nation's farmworkers.

The Data

Currently, no single source of data provides details necessary to understand issues related to changes in the supply, demand, wages, earnings, employee benefits, and characteristics of farmworkers on both local and national levels (Oliveira and Whitener, 1995).

This report uses data from both the Census of Agriculture and the Current Population Survey (CPS) earnings microdata file (see "About the Data") to examine changing patterns of hired farm labor use, and demographic, earnings, and geographic characteristics of hired farmworkers.

The Census of Agriculture is conducted by the National Agricultural Statistics Service, U.S. Department of Agriculture, every 5 years, for years ending in 2 and 7. It offers the most complete geo-

graphic coverage of hired and contract farm labor use as measured by labor expenditures. Expenditure data can be used to show the magnitude of labor use and to estimate the share of production expenses attributed to labor by type and size of farm. The CPS earnings file is based on 12 months of data, on the number of people who did hired farmwork during a 1-week period each month. Annual averages were computed by summing the estimates across all months and dividing by 12. The annual average represents the average number of people employed at hired farmwork per week, not the total number of persons employed.²

The CPS was redesigned in 1994, affecting "virtually every aspect of the survey, including the questionnaire, data collection methods, and the processing system" used in earlier years (U.S. Department of Labor, 1993, p. 2). A detailed description of the reasons for redesigning the CPS and the potential changes and benefits are presented in Bregger and Dipppo, 1993; Polivka and Rothgeb, 1993; and Bowie, Cahoon, and Martin, 1993. The changes in the CPS did not significantly change the estimated number of hired farmworkers, but did increase the estimated percentage of Hispanics in the hired farm workforce.

²For example, if each month a different worker works on a farm, the total number of workers who worked on that farm during the year is 12, while the average number of workers employed during the year is one.

About the Data

Data from two sources were used for this analysis. One was the *Census of Agriculture*, an establishment survey, and the other is the Current Population Survey, a household survey.

Census of Agriculture

The *Census of Agriculture*, conducted by the National Agricultural Statistics Service, is the leading source of statistics about the Nation's agricultural production and is the most comprehensive source of agricultural data available at the county level. It offers the most complete geographic coverage of hired and contract farm labor use as measured by labor expenditures. Expenditure data can be used to show the magnitude of labor use and to estimate the share of production expenses attributed to labor by size of farm.

The *Census of Agriculture* is a mail survey of U.S. farms and ranches. The mailing for the 1997 Census generated 1.7 million useable questionnaires. After adjusting for nonrespondents, survey data were expanded to the estimated 1.9 million farms in the United States. To reduce respondent burden, some questions were asked of a sample of farms. Data on hired labor and contract labor expenditures were collected from a sample of about 501,000 farm operators in 1997.

Limitations: The Census data on hired workers refer to all hired persons on the farm, including bookkeepers, secretaries, and mechanics who are generally considered not to be hired farmworkers. Expenditure data do not include payment-in-kind, such as meals and lodging. All expenditures for labor involved in custom work are combined with expenses for machine hire. The Census does not collect information on the demographic and job characteristics of hired and contract workers. Since the Census data are collected once every 5 years, they may not reflect the most recent changes in the farm labor situation.

Current Population Survey

The Current Population Survey (CPS), conducted by the Bureau of the Census, collects information on the demographic, social, and economic characteristics of the employed, unemployed, and persons not in the labor force. It is the primary source of monthly estimates of total employment and unemployment in the United States. The CPS is based on a probability sample of households, designed to represent the U.S. civilian population. (Participation in the survey is voluntary, and there are no penalties for not answering questions.)

Each month, about 50,000 households are sampled in all 50 States and the District of Columbia. Once a household is selected, it is interviewed for 4 consecutive months, dropped from the survey for 8 months, then interviewed for a final 4 months. Approximately one-quarter of the sample is changed monthly. This survey design provides for about three-quarters of the selected households to be interviewed the following month, and about one-half to be interviewed the next year. In this way, the Census Bureau can obtain month-to-month and year-to-year comparisons with minimal inconvenience to any one household. During monthly visits, trained enumerators complete a questionnaire for each household member age 15 and older. Questions focus on each household member's labor force activity during the survey week, the calendar week containing the 12th day of the month. Information from this sample is expanded to provide national-level estimates.

CPS earnings microdata file: Each month, workers in about one-quarter of the CPS households (those in either their fourth or eighth month in the sample) are asked additional questions about weekly hours worked and earnings.

The 1998 CPS earnings microdata file used in this report consists of all records from the monthly quarter-samples of CPS households that were asked the additional questions during 1998. The data file contained information on almost 404,250 people, including more than 1,235 who were employed as hired farmworkers. Data comparisons in the analysis are based on differences that are significant at the 95-percent or higher level of confidence.

Limitations: The CPS classifies employed persons according to the job at which they worked the greatest number of hours during the survey week. As a result, hired farmworkers who spent more time during the survey week at their nonfarm job than at their farm job would not be included in the primary employment count as hired farmworkers. These workers would be counted in 1998 as having hired farmwork as their secondary employment.

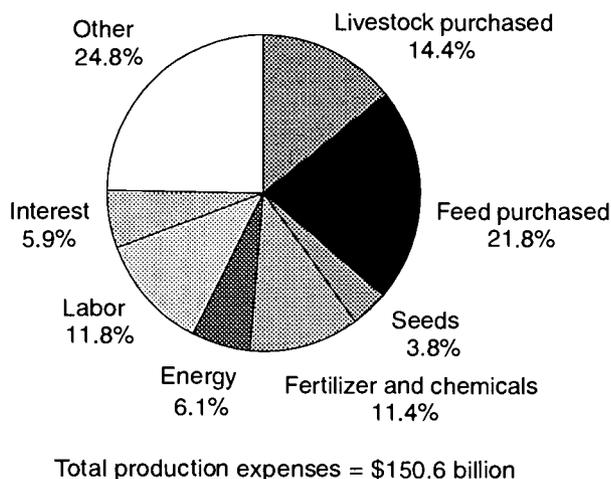
The CPS may undercount Hispanics in the hired farm workforce. Because the CPS is based on a survey of households, it may undercount farmworkers living in nontraditional living quarters, many of whom are likely to be Hispanic. In addition, undocumented foreign workers may, because of their illegal status, avoid enumerators.

For more information on the survey and its data, see the U.S. Department of Labor's *Employment and Earnings*.

Structural and Regional Patterns of Farm Labor Use

Structural and regional patterns of farm labor use can be determined from Census of Agriculture data. Expenditures for hired and contract workers are often used as indicators of farm labor use. In 1997, hired and contract labor expenditures amounted to \$17.8 billion, or 12 percent of farm production expenditures (fig. 1) (U.S. Department of Agriculture, 1997 Census of Agriculture). The proportion of total production expenditures accounted for by hired and contract labor in 1997 ranged from a low of 4 percent for poultry farms to a high of 44 percent for the more labor-intensive greenhouse, nursery, and floriculture farms (fig. 2). Four types of farms (tobacco, vegetable and melon, fruit and tree nut, and greenhouse, nursery, and floriculture) had higher than the 20-percent average for manufacturing, but less than the 70- to 80-percent share of costs generally found in many service industries (Martin, 1998). Compared with 1987, expenditures for hired and contract labor (in 1998 dollars) decreased about 1 percent, while total production costs declined by 1.5 percent. Thus, labor expenditures as a percentage of total farm production expenditures was unchanged.

Figure 1
U.S. farm production expenses, 1997



Source: Economic Research Service, compiled from the 1997 Census of Agriculture.

Structural Patterns of Labor Expenditures

Structural patterns of farm labor use (as measured by labor expenditures) are determined by the market value of agricultural products sold (value of sales), size of farm (acreage), and type of farm (oilseed and grains, dairy cattle and production, etc.).

Value of Sales

Employment of hired and contract workers was concentrated on farms producing higher values of products sold. Farms with \$500,000 or more in sales accounted for about 70 percent of total labor expenditures (70 percent of hired and 74 percent of contract labor expenditures) (fig. 3). These farms also had significantly higher per farm expenditures for hired and contract farmworkers (figs. 4 and 5).

Size of Farm

Farms with 1,000 or more acres accounted for 48 percent of hired and contract farm labor expenditures (42 percent of hired and 67 percent of contract labor expenditures) (fig. 6). These bigger farms also had much higher hired and contract labor expenditures per farm than other farms (figs. 7 and 8).

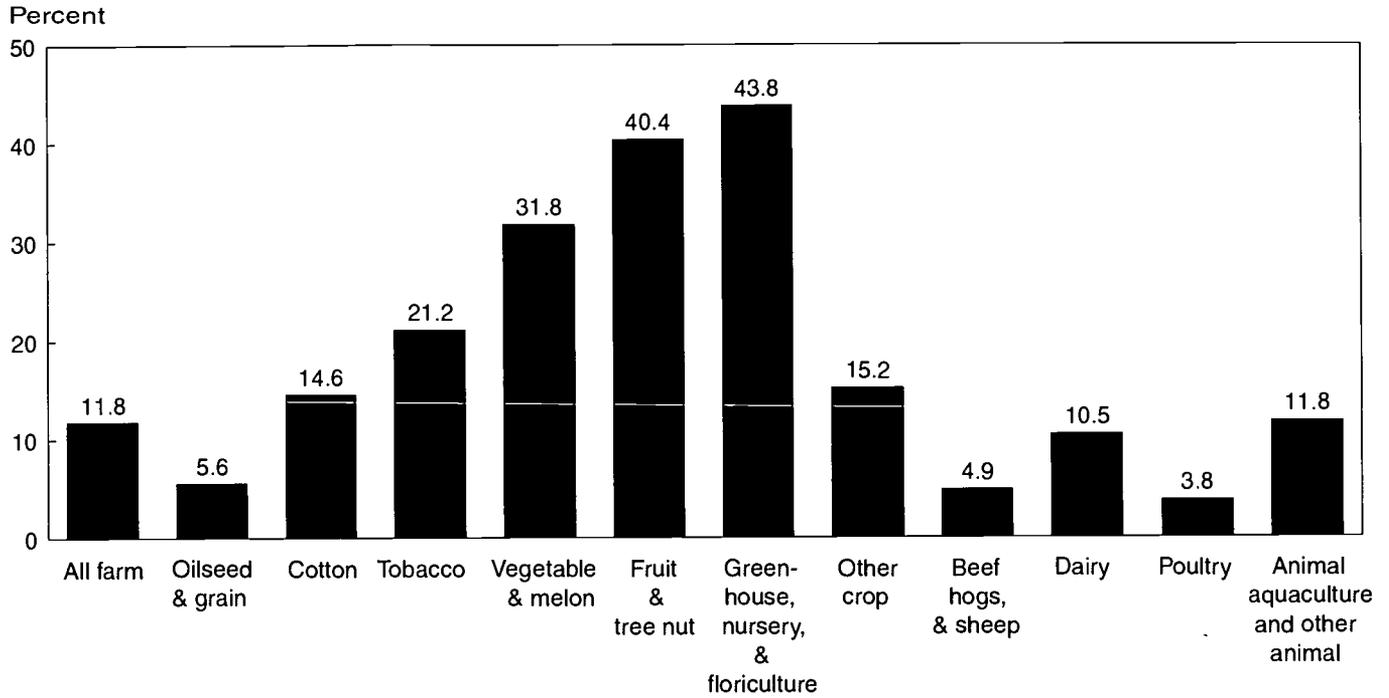
Type of Farm

Vegetable and melon, fruit and tree nut, and greenhouse, nursery, and floriculture farms accounted for 51 percent of hired and contract farm labor expenditures (fig. 9). These farms also had the highest average hired and contract labor expenditures per farm (figs. 10 and 11).

Regional Patterns of Labor Expenditures

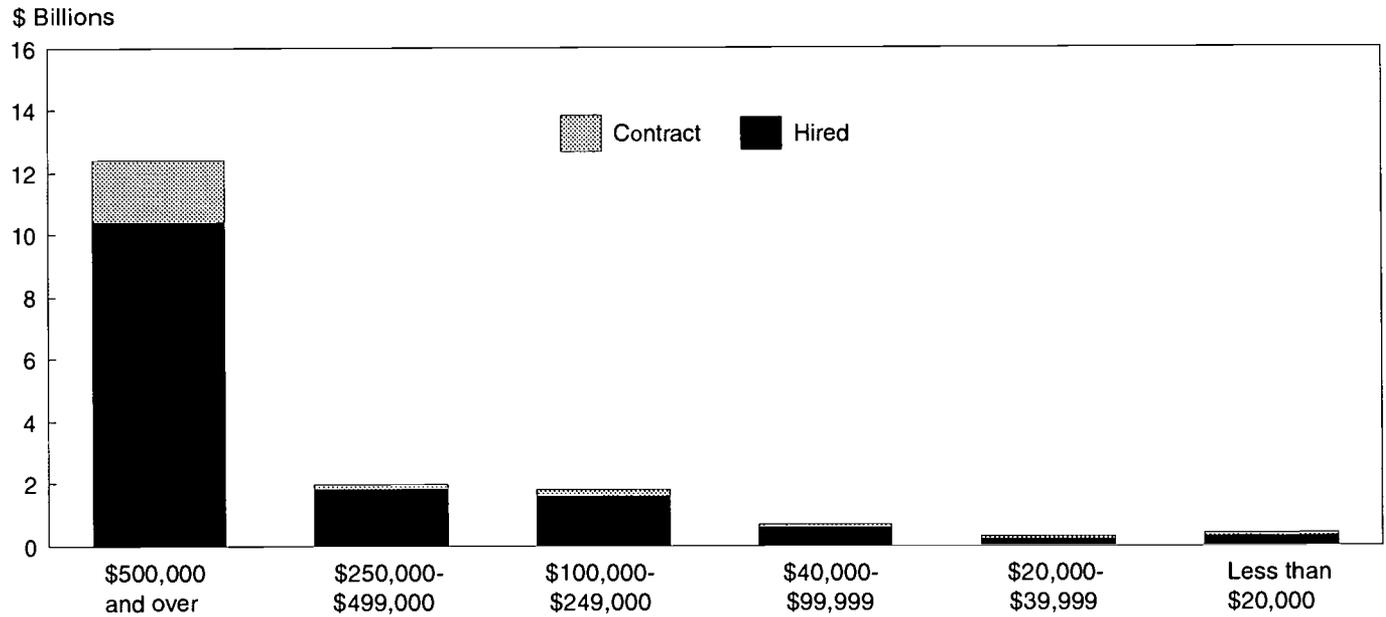
Hired and contract labor expenditures ranged from about \$5 million in Alaska to about \$5 billion in California in 1997 (fig. 12). Labor use is concentrated in a few States. Six States—California, Florida, North Carolina, Oregon, Texas, and Washington—accounted for about 50 percent of all farm labor expenditures in 1997 (fig. 12). These States account for a large percentage of the labor-intensive crops produced in the United States.

Figure 2
Labor's share of farm production expenses, 1997



Source: Calculated by ERS using data from the 1997 Census of Agriculture.

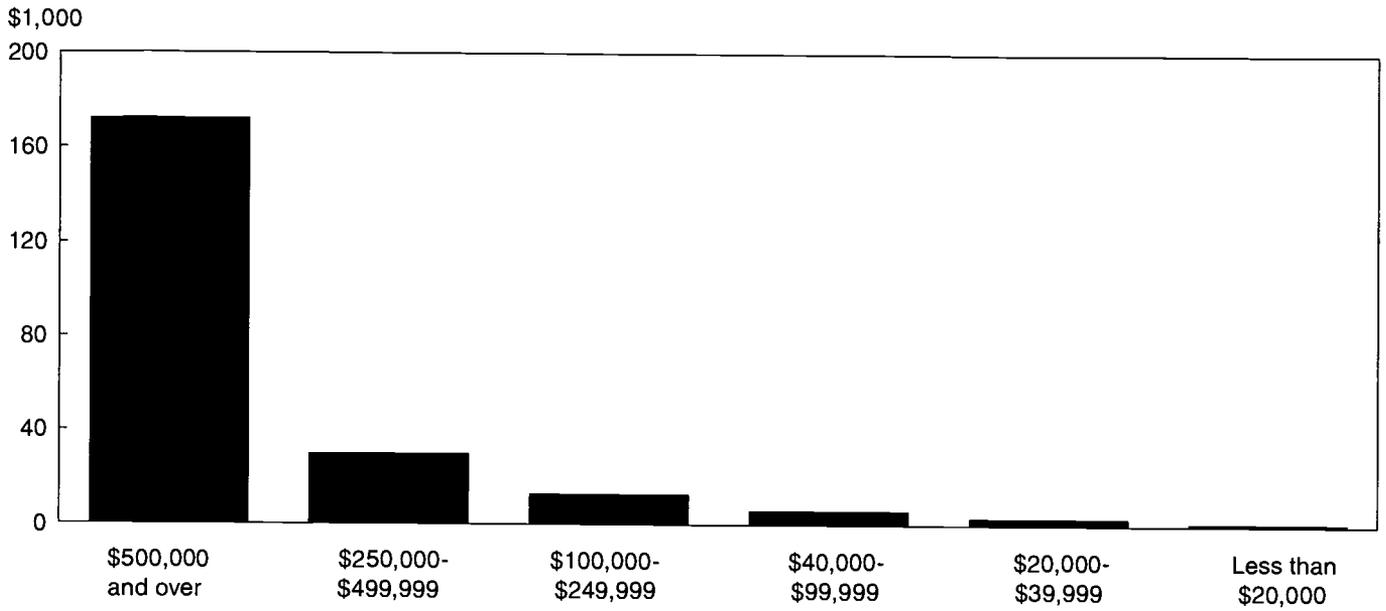
Figure 3
Hired and contract labor expenditures, by value of agricultural sales per farm, 1997



Source: Calculated by ERS using data from the 1997 Census of Agriculture.

Figure 4

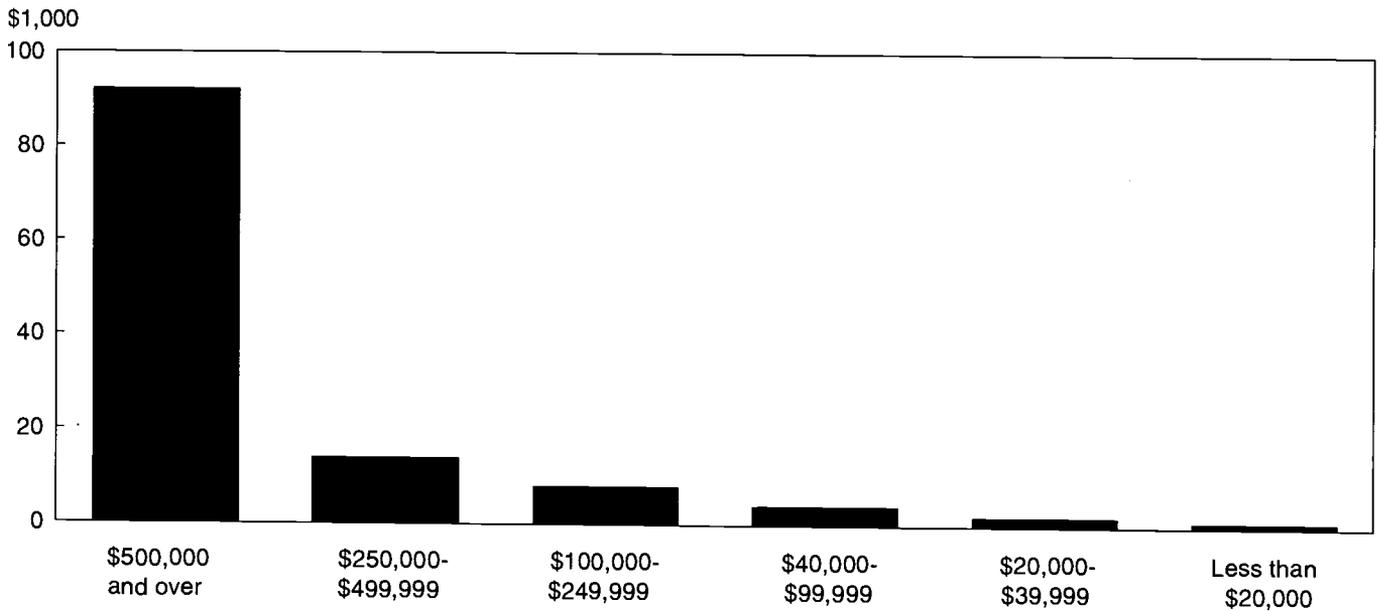
Hired labor expenditures per farm, by value of agricultural sales, 1997



Source: Calculated by ERS using data from the 1997 Census of Agriculture.

Figure 5

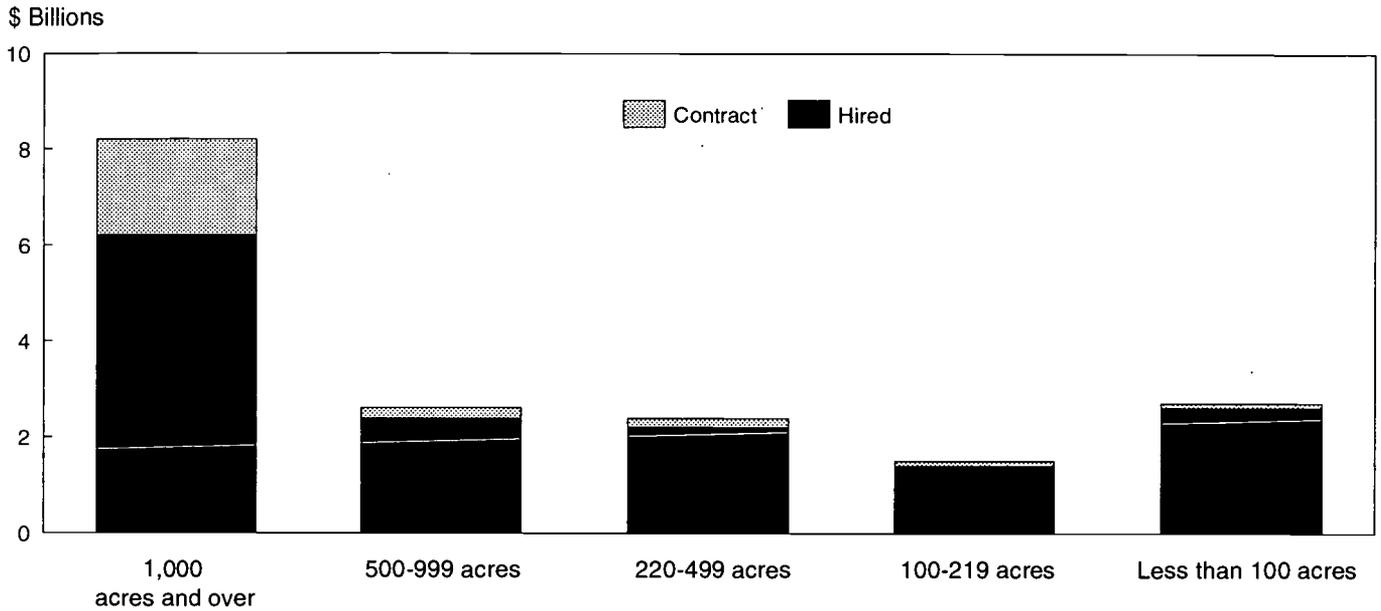
Contract labor expenditures per farm, by value of agricultural sales, 1997



Source: Calculated by ERS using data from the 1997 Census of Agriculture.

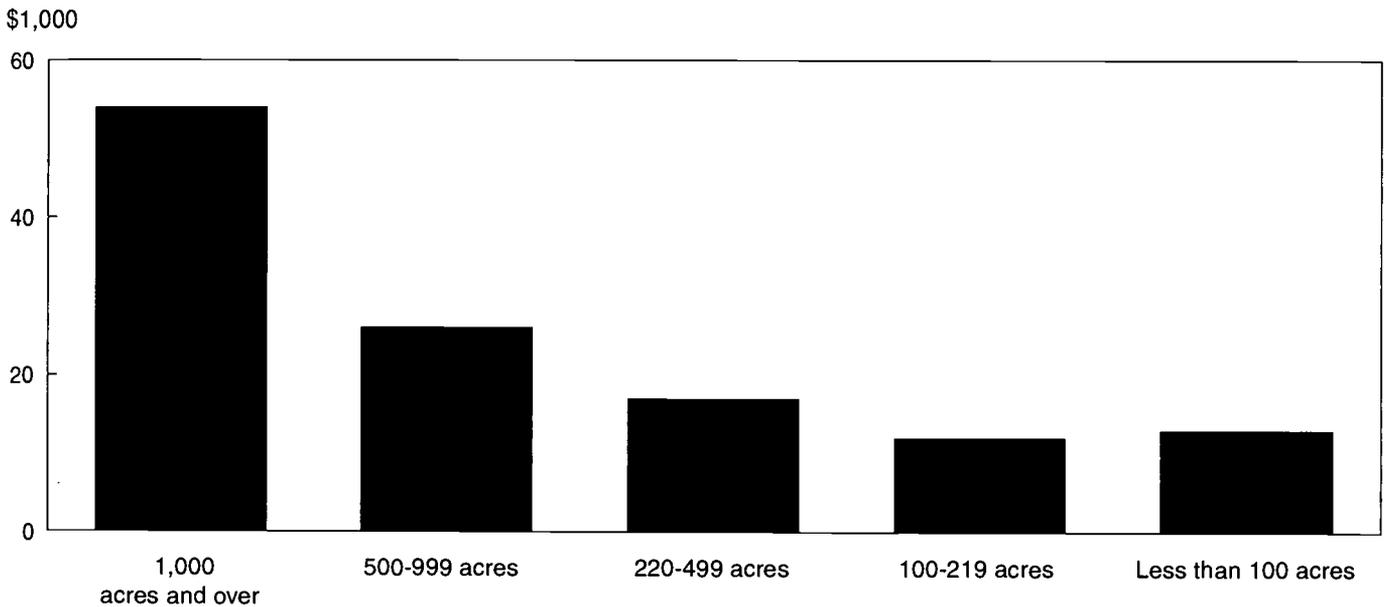
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Figure 6
Hired and contract labor expenditures, by size of farm, 1997



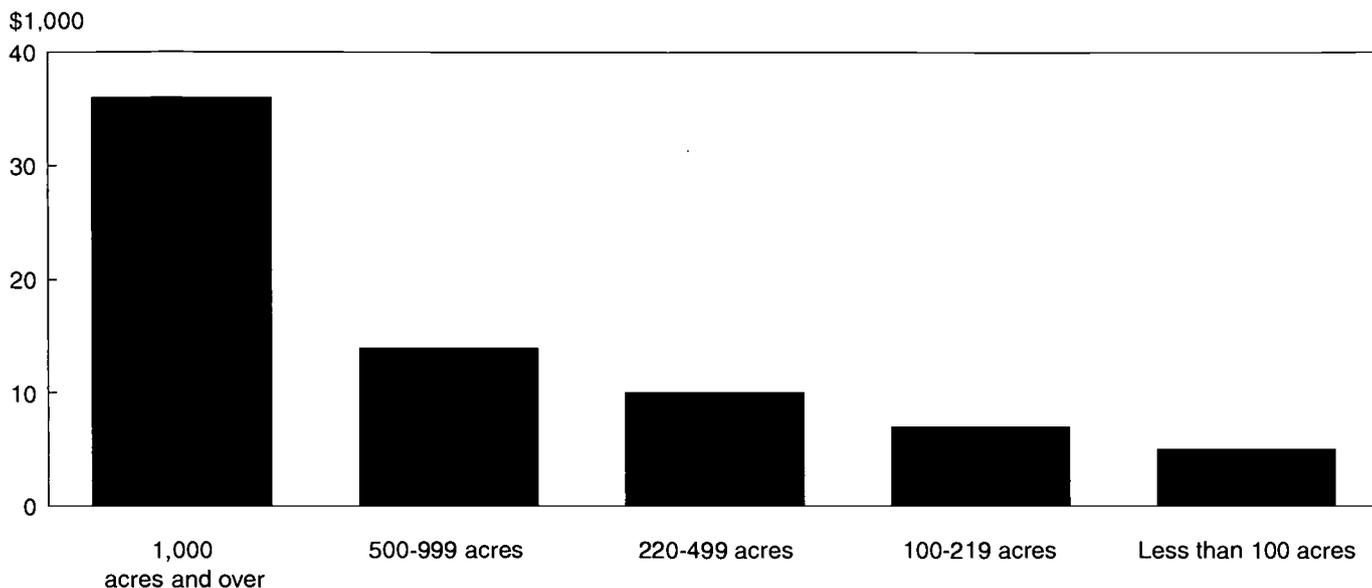
Source: Calculated by ERS using data from the 1997 Census of Agriculture.

Figure 7
Hired labor expenditures per farm, by size of farm, 1997



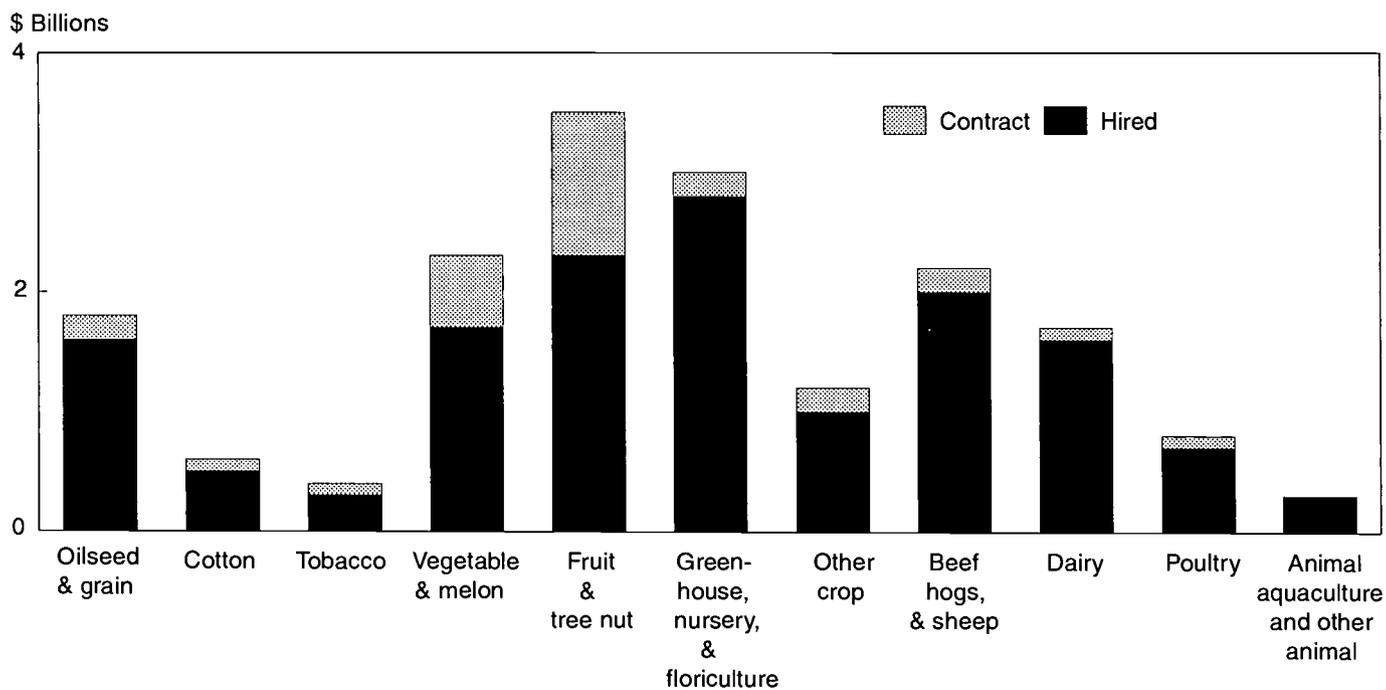
Source: Calculated by ERS using data from the 1997 Census of Agriculture.

Figure 8
Contract labor expenditures per farm, by size of farm, 1997



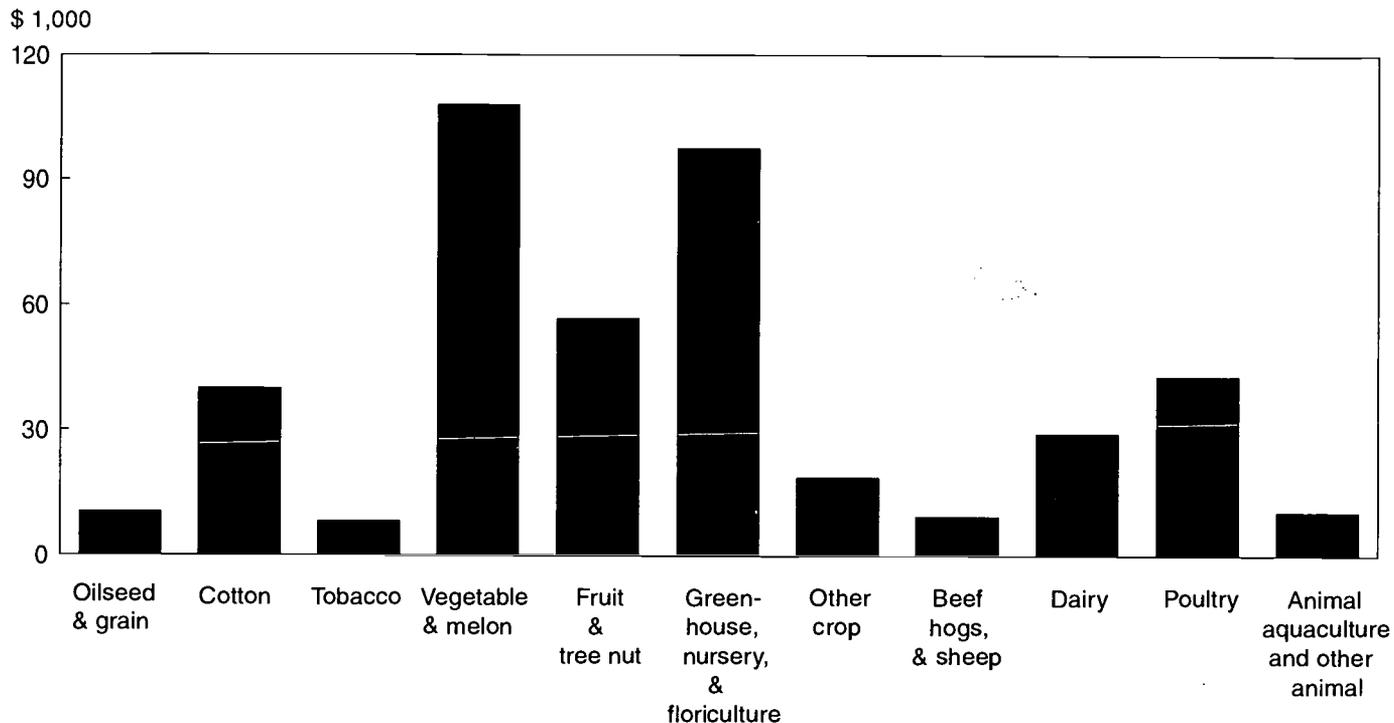
Source: Calculated by ERS using data from the 1997 Census of Agriculture.

Figure 9
Hired and contract labor expenditures, by type of farm, 1997



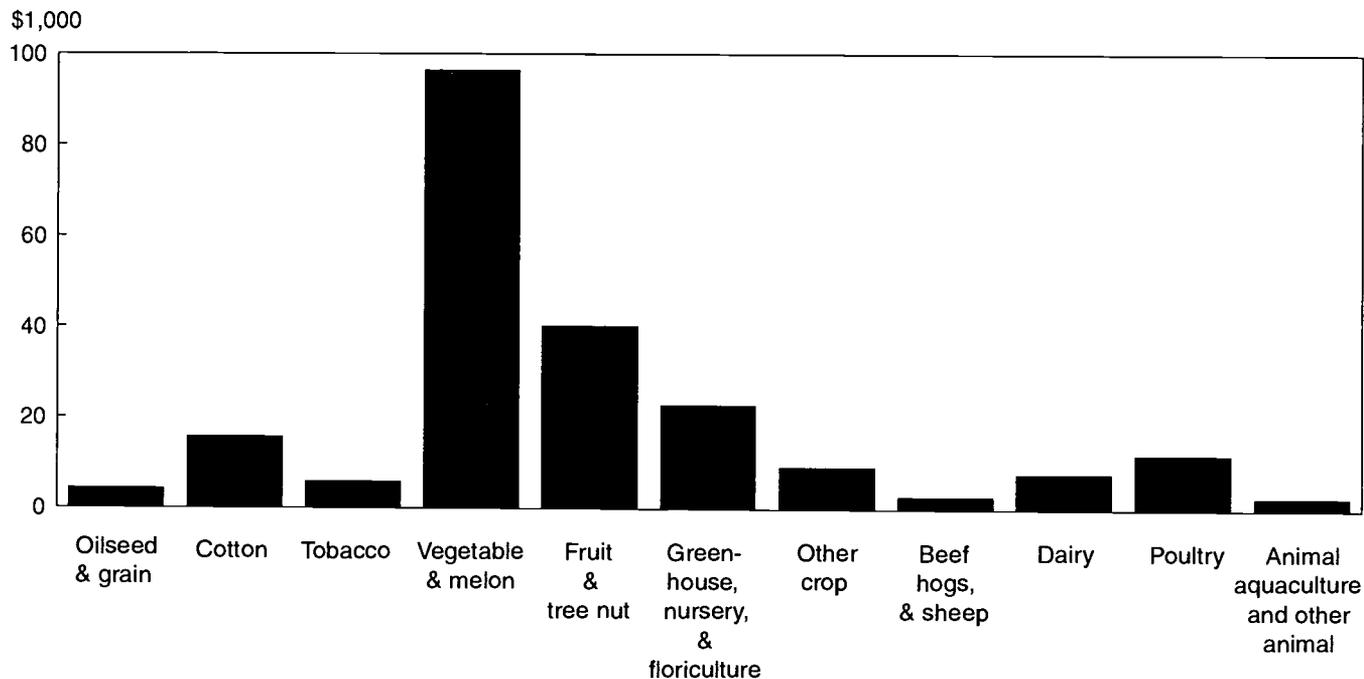
Source: Calculated by ERS using data from the 1997 Census of Agriculture.

Figure 10
Hired labor expenditures, by type of farm, 1997



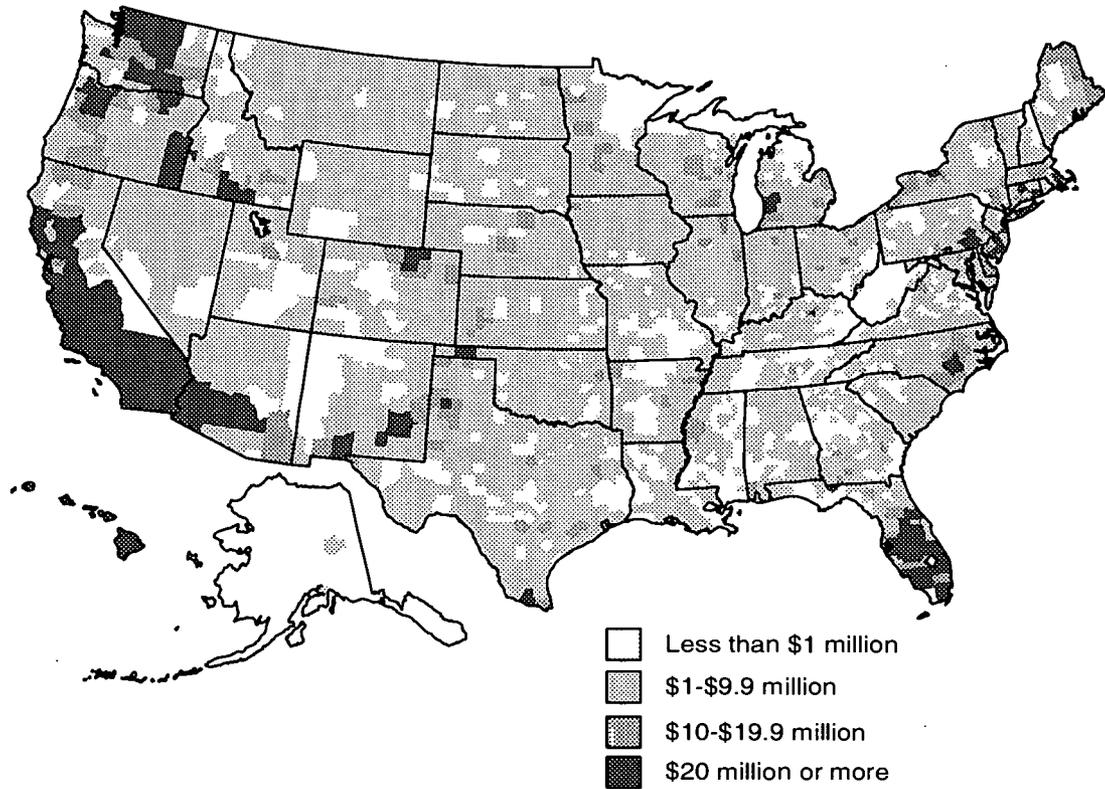
Source: Calculated by ERS using data from the 1997 Census of Agriculture.

Figure 11
Contract labor expenditures, by type of farm, 1997



Source: Calculated by ERS using data from the 1997 Census of Agriculture.

Figure 12
Hired and contract labor expenses on farms, 1997



Source: Calculated by ERS using data from the 1997 Census of Agriculture.

Demographic Characteristics of the 1998 Hired Farmworkers

An average of about 117 million people aged 15 and older were employed per week at wage and salary jobs in the United States in 1998 (table 1), according to the Current Population Survey. Of these, 875,000 persons (less than 1 percent) identified "hired farmwork" (that is, farmwork for cash wages or salary) as their primary employment. Hired farmworkers include people paid to manage farms for employers (8 percent), supervisors of farmworkers (4 percent), and farm and nursery workers (88 percent). The group includes those hired directly by the farmer and those employed by farm labor contractors.

While the annual average number of people working per week as hired farmworkers has fluctuated slightly from year to year over the last decade, these changes for the most part have not been statistically different. The number of hired farmworkers stabilized between 1990 and 1998 at 800,000 to 900,000 (fig. 13 and app. table 1). In contrast, the average number of all wage and salary workers (including hired farmworkers) has consistently increased since 1991 (fig. 14 and app. table 2).

Hired farmworkers' demographic characteristics differ from those of other wage and salary workers. Hired farmworkers in 1998 were younger and less educated than all wage and salary workers and were more likely to be male, Hispanic, and never married. Historical information on hired farmworkers and all wage and salary workers (1990-98) is shown in appendix tables 1 and 2.

Gender, Age, and Marital Status

Males accounted for about 84 percent of the hired farmworkers and about 52 percent of all wage and salary workers in 1998 (table 1). These percentages have remained constant in recent years (app. tables 1 and 2).

Hired farmworkers were younger than all wage and salary workers in 1998, as they have been throughout the 1990's (table 1 and app. tables 1 and 2). More than half (54 percent) of the hired farmworkers were under 35 years of age, compared with 42 percent of all wage and salary workers. Hired farmworkers were more than twice as likely as all workers to be under 20 years of age.

More hired farmworkers (39 percent) than all wage and salary workers (29 percent) had never been married, and fewer hired farmworkers had been married or widowed, divorced, or separated (table 1). The differences in marital status may be because hired farmworkers are younger than other wage and salary workers.

Racial/Ethnic Group

Almost 42 percent of hired farmworkers were Hispanic in 1998, compared with almost 11 percent of all wage and salary workers (table 1). With the exception of 1996 when the numbers increased, the percentage of hired farmworkers who are Hispanic has not changed significantly since 1994 (app. table 1). However, the percentage of all wage and salary workers who are Hispanic did change significantly between 1994 and 1996 (app. table 2). The large increase in the percent of Hispanic workers in both workforces 1990-94 compared with 1994-98 is probably due to the redesign of the CPS to capture data from more Hispanic households, among other reasons.

Hired farmworkers are less likely to be white non-Hispanic and black and other non-Hispanic than all wage and salary workers (table 1). Both of these racial/ethnic groups have maintained their share of the hired farmwork force since 1994, with the exception of an increase in white workers in 1996 (app. table 2). In comparison, the percentage of all white wage and salary workers decreased steadily and the percentage who were black and other has increased almost steadily every year since 1994 (app. table 2).

Citizenship Status

About 62 percent of hired farmworkers in 1998 were born in the United States, but 34 percent were foreign-born and not U.S. citizens (table 2). The percentage of U.S.-born workers in 1998 declined since 1996, while the percentage of foreign-born increased (Runyan, 1996). In comparison with all wage and salary workers, greater proportions of hired farmworkers were foreign-born noncitizens, and in 1998, 7 percent of all wage and salary workers were foreign-born noncitizens.

Hired farmworkers who are not U.S. citizens are more likely than all hired farmworkers to be Hispanic, less educated and located in the West (table 3). They are

Table 1—Demographic characteristics of hired farmworkers and all wage and salary workers, 1998

Characteristics	Annual averages			
	Hired farmworkers		All wage and salary workers	
	Thousands	Percent	Thousands	Percent
All	875	100	116,882	100
Gender:				
Male	733	83.8*	61,031	52.2
Female	142	16.2*	55,851	47.8
Racial/ethnic group:				
White	458	52.4*	85,830	73.4
Hispanic	366	41.8*	12,397	10.6
Black and others	51	5.8*	18,655	16.0
Age (years):				
Less than 20	133	15.2*	7,327	6.3
20-24	116	13.3*	12,216	10.5
25-34	224	25.6	29,059	24.9
35-44	185	21.1*	31,797	27.2
45-54	122	14.0*	23,519	20.1
55 and over	95	10.8	12,964	11.1
Median age		33*		38
Marital status:				
Married	454	51.9*	65,896	56.4
Widowed, divorced, or separated	82	9.3*	17,195	14.7
Never married	339	38.8*	33,791	28.9
Schooling completed:				
0-4 years	96	10.9*	910	0.8
5-8 years	184	21.1*	3,209	2.7
9-11 years	218	24.9*	11,913	10.2
12 years ¹	232	26.5*	37,124	31.8
13 or more years	145	16.6*	63,726	54.5

¹Schooling completed: 12 years means that a person received a high school diploma, GED, or equivalent degree.

*Significantly different from all wage and salary workers at the 95-percent confidence level.

Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

also more likely than all hired farmworkers to be employed in crop production (table 3).

Education Completed

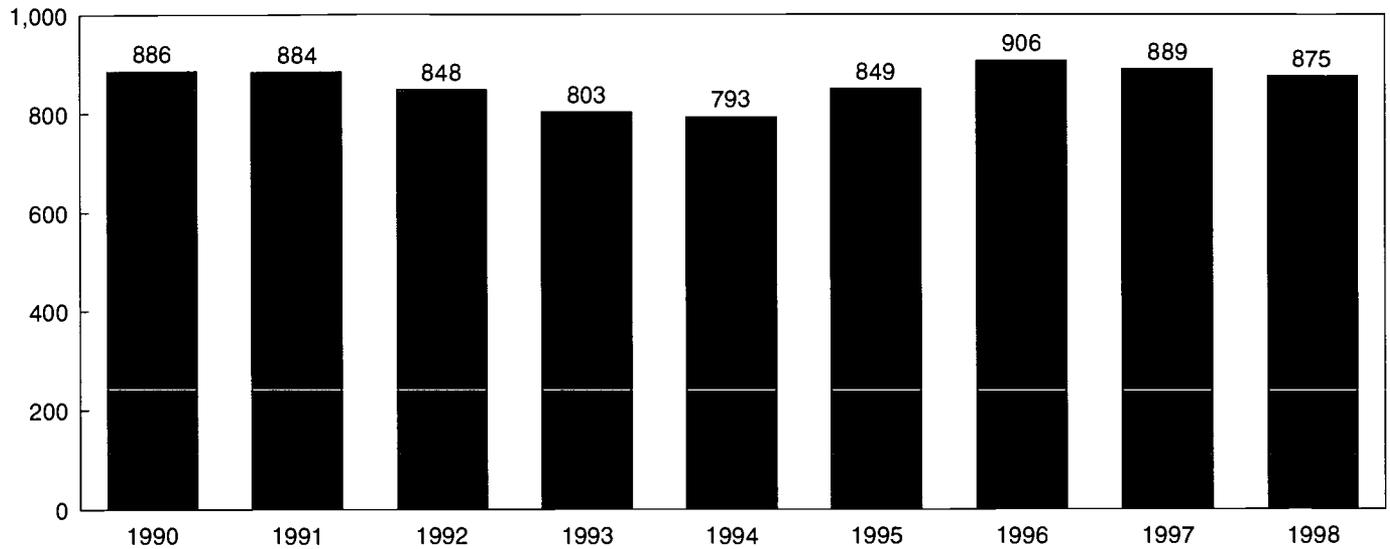
Hired farmworkers continue to be less educated than all wage and salary workers. In 1998, 32 percent of hired farmworkers had completed less than 8 years of education, and 57 percent had completed less than 12 years of education (table 1). In comparison, 4 percent of all wage and salary workers had completed less than 8 years of education, and 14 percent had completed less than 12 years of education (table 1). The educational attainment of hired farmworkers was considerably lower than for other major occupational groups (fig. 15).

Male farmworkers had lower educational levels than females (table 4). About 27 percent of women had completed education beyond high school compared with 15 percent of men in the hired farmworker force. Also, Hispanics were generally less educated. About 83 percent of the Hispanic hired farmworkers had completed less than 12 years of education, compared with 36 percent of white hired farmworkers and 56 percent of black and other hired farmworkers. Since Hispanics make up almost 95 percent of noncitizen hired farmworkers, this noncitizen group also had lower educational levels than other hired farmworkers (table 3).

Figure 13

Annual average number of hired farmworkers, 15 years and older, employed per week, 1990-98

Thousands

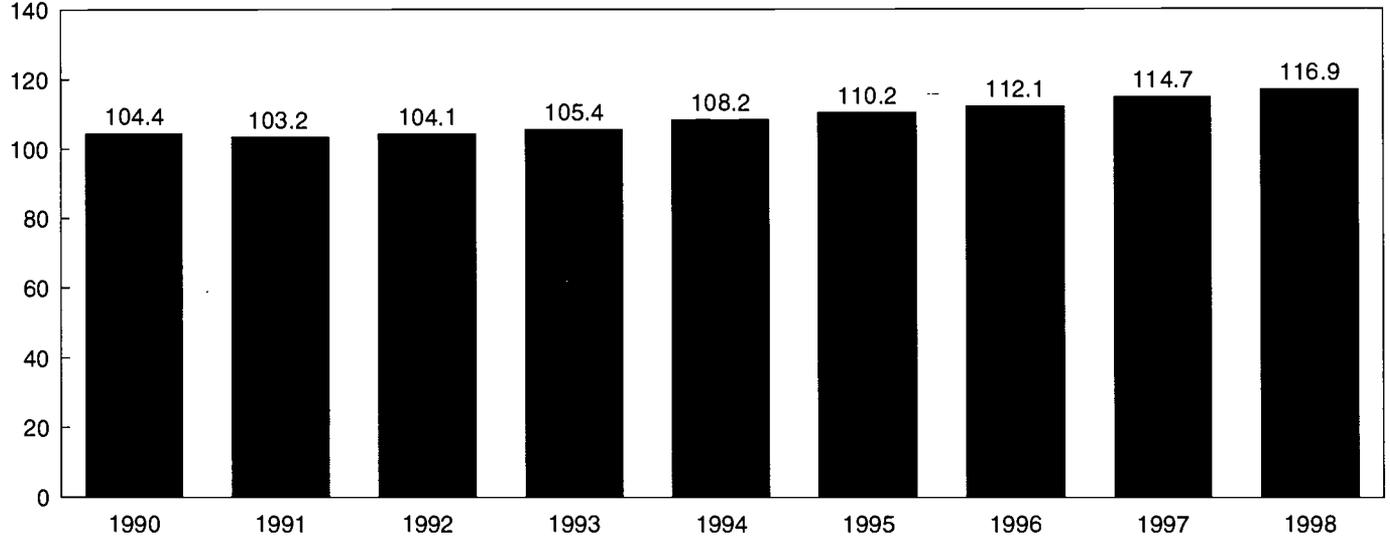


Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

Figure 14

Annual average number of all wage and salary workers, 15 years and older, employed per week, 1990-98

Millions



Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

Table 2—Citizenship status of hired farmworkers and all wage and salary workers, 1998

Citizenship status	Annual averages	
	Hired farmworkers	All wage and salary workers
	<i>Thousands</i>	
Total	875	116,882
	<i>Percent</i>	
Total	100	100
Native, born in the United States	61.9*	87
Native, born in Puerto Rico or U.S. outlying area	.2	5
Native, born abroad of American parent(s)	.5	1
Foreign-born, U.S. citizen by naturalization	3.8	4.3
Foreign-born, not U.S. citizen	33.5*	7.3

*Significantly different from all wage and salary workers at the 95-percent confidence level.

Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

Unemployment

Unemployed workers are people who reported on the CPS that they are “unemployed on layoff” or are “unemployed and looking for employment.”

Unemployed hired farmworkers are those unemployed people who reported their last primary job was hired farmwork. They accounted for over 2 percent of all unemployment in 1998. The unemployment rate for hired farmworkers (11.8 percent) was one of the highest for all major occupations in 1998, sharing similarly high rates with private household workers, handlers, equipment cleaners, helpers and laborers, and other farming, fishing and forestry workers (fig. 16).

Unemployment in the hired farm labor force remained stable between 1994 and 1998 (12.4 to 11.5 percent), while unemployment in the wage and salary labor force declined (from 6.1 percent to 4.5 percent) (fig. 17). However, the unemployment rate for the hired farm labor force fluctuated widely during 1998 (3.48 percent in October to 24.19 percent in March) than that of the total wage and salary labor force (3.97 percent in December to 5.27 percent in January).

Table 3—Demographic characteristics of foreign-born workers who were not citizens of the United States, 1998

Characteristics	Annual averages	
	Foreign-born, noncitizen hired farmworkers	Foreign-born, noncitizen wage and salary workers
	<i>Thousands</i>	
Total	294	8,530
	<i>Percent</i>	
Total	100	100
Gender:		
Male	86.8*	62.3
Female	13.2*	37.7
Racial/ethnic group		
White	2.2***	17.7
Hispanic	94.5***	55.7
Black and others	3.3*	26.6
Age (years):		
Less than 20	4.3**	4.1
20-24	20.3***	12.9
25-34	32.3	34.5
35-44	22.1	27.6
45-54	15.1	14.4
55 and over	5.8**	6.4
Median age	32*	34
Schooling completed:		
0-4 years	25.9***	7.5
5-8 years	41.4***	17.0
9-11 years	16.0**	16.3
12 years ¹	12.3***	23.7
13 or more years	4.5***	35.5
Establishment:		
Crop production	73.4**	—
Livestock production	21.6**	—
Other	5.0	—
Census region:		
Northeast	3.0***	21.8
South	22.0**	26.9
Midwest	1.5***	10.6
West	73.5***	40.6

¹Schooling completed: 12 years means that a person received a high school diploma, GED, or equivalent degree.

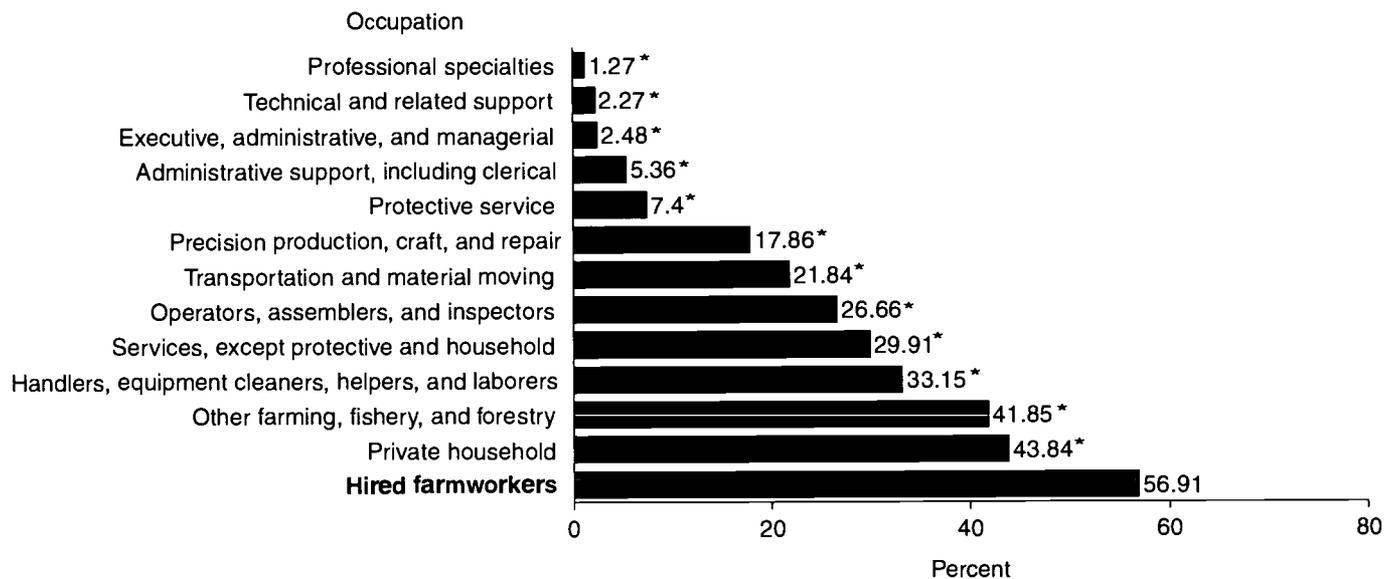
*Significantly different from all wage and salary workers at the 95-percent confidence level.

**Significantly different from all hired farmworkers (see tables 2, 13, and 15) at the 95-percent confidence level.

***Significantly different from all wage and salary workers and all hired farmworkers (see tables 2, 13, and 15) at the 95-percent confidence level.

Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

Figure 15

Percent of workers completing less than 12 years of education, by occupation, 1998

*Significantly different from hired farmworkers at the 95-percent confidence level.

Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

Table 4—Education completed by hired farmworkers, by gender and racial/ethnic group, 1998

Years of education completed	Annual averages				
	Male	Female	White	Hispanic	Black and other
	<i>Thousands</i>				
Total	733	142	458	366	51
	<i>Percent</i>				
Total	100	100	100	100	100
0-4	12.2	4.3*	1.5	23.8**	3.6
5-8	20.6	23.3	6.0	40.2**	19.3*
9-11	25.4	22.5	28.6	19.1**	33.4
12	27.2	22.6	37.3	12.5**	28.6
13 or more	14.6	27.3*	26.6	4.4**	15.1

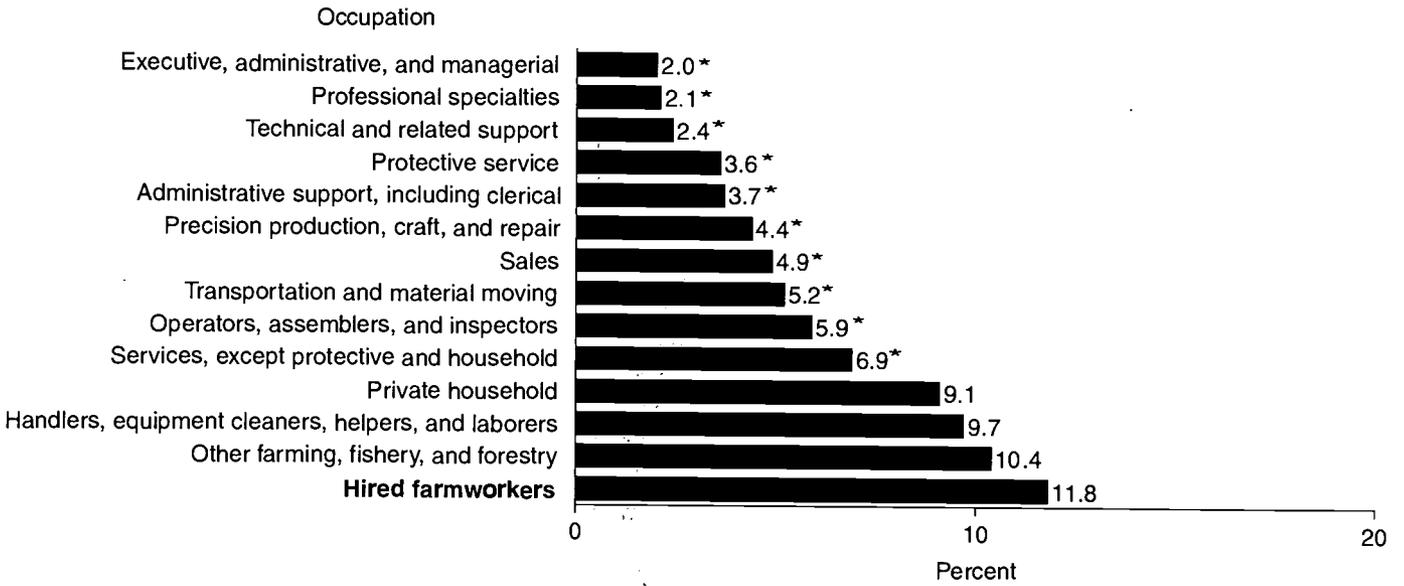
Schooling completed: 12 years means that a person received a high school diploma, GED, or equivalent degree.

*Significantly different from male workers at the 95-percent confidence level.

** Significantly different from white workers at the 95-percent confidence level.

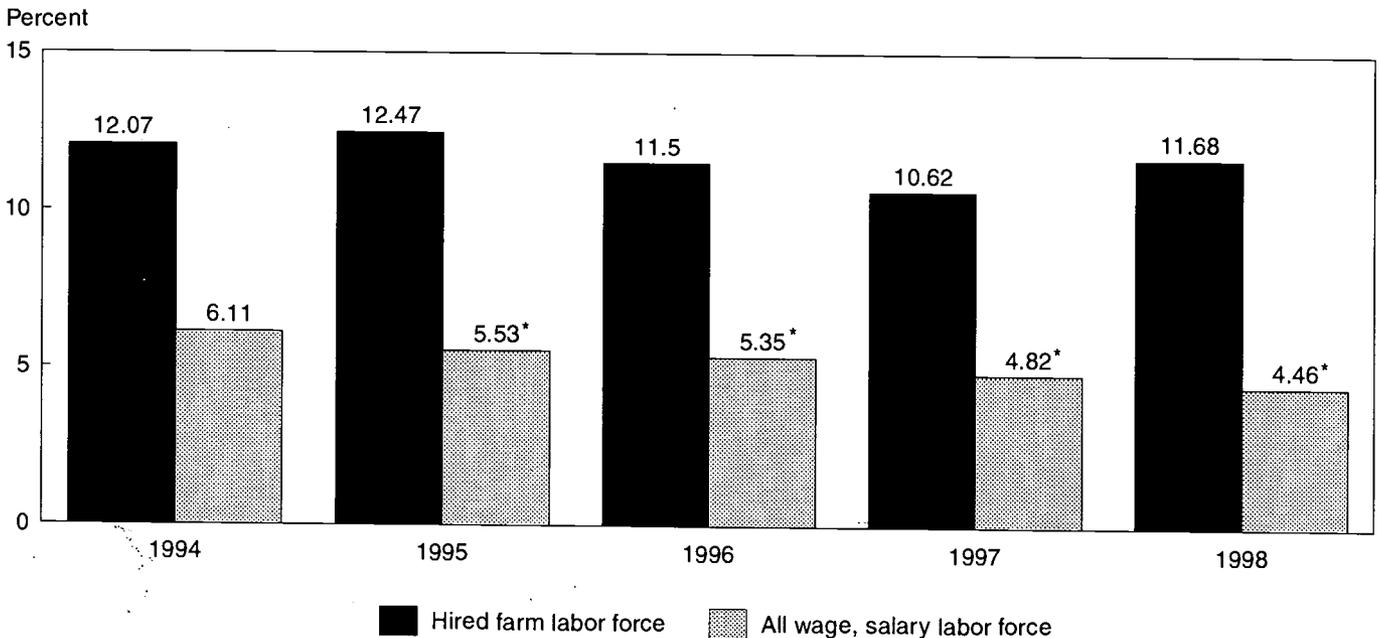
Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

Figure 16
Rates of unemployment, by occupation, 1998



*Significantly different from hired farmworkers at the 95-percent confidence level.
 Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

Figure 17
Percent unemployment, hired farm labor force and all wage and salary labor force, 1994-98¹



¹Last job was hired farmwork.
 *Significantly different from previous year at the 95-percent confidence level.
 Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

Compared with all unemployed in the wage and salary labor force, unemployed hired farmworkers were more likely to be male, Hispanic, older, less educated, not U. S. citizens, and located in the West (table 5).

Although the 11.8 percent unemployment rate in the hired farm workforce was considerably higher than for all wage and salary workers, some groups had much higher rates (table 6). Groups with higher rates of unemployment were female, black and other races, 20 to 24 year olds, those with less than 8 years of education, noncitizens, those working in the West, and those working in crop production and other establishments. Groups with lower rates of unemployment were managers, supervisors of farmworkers, nursery workers, white, 55 years and older, those with 13 or more years of education, those working in the Midwest, and those working in livestock production.

A higher percentage of unemployed hired farmworkers gave "job loser/on layoff" as the reason for unemployment, and only a small percent were "job leavers" (table 7). Both unemployed groups had similar median lengths of unemployment, but higher numbers of hired farmworkers reported they were off work 4 to 6 months in 1998 (table 7).

Secondary Job Holders

Secondary jobholders are workers who held more than one job during the reference week.³ The job at which the worker spent the most hours was the primary occupation, and the job with the next greatest number of work hours was the secondary job.

About 63,000 people whose primary jobs were not hired farmworker had secondary jobs as hired farmworkers in 1998 (table 8). These workers were more likely than all hired farmworkers to be white, older, more highly educated, and U.S. citizens. Almost half lived in the Midwest.⁴ Most (97 percent) had second jobs as farmworkers in agricultural service establishments.

³ Secondary jobholders include employed people who had either two or more jobs in wage and salary work; were self-employed and also held a wage and salary job; or worked as an unpaid family worker and also held a wage and salary job and reported hired farmwork as their secondary job.

⁴ The distribution of all wage and salary workers in 1998 was 19.1 percent in the Northeast, 34.9 percent in the South, 24.3 percent in the Midwest, and 21.7 percent in the West.

Table 5—Demographic characteristics of the unemployed, 1998

Characteristics	Annual averages			
	Hired farmworkers		All wage and salary workers	
	Thousands	Percent	Thousands	Percent
All	117	100	5,473	100
Gender:				
Male	81	69.1***	2,887	52.7
Female	36	30.9***	2,586	47.3
Racial/ethnic group:				
White	34	29.1***	3,100	56.6
Hispanic	60	51.4*	914	16.7
Black and others	23	19.5**	1,459	26.7
Age (years):				
Less than 20	20	16.8	847	15.4
20-24	24	20.4	984	18.0
25-34	23	19.9	1,339	24.5
35-44	27	23.2	1,128	20.6
45-54	15	13.1	756	13.8
55 and over	8	6.5**	419	7.7
Median age	33*		31	
Marital status:				
Married	54	45.9	1,959	35.8
Widowed, divorced, or separated	16	13.4	887	16.2
Never married	47	40.7	2,627	48.
Schooling completed:				
0-4 years	19	16.6*	73	1.3
5-8 years	34	29.0*	267	4.9
9-11 years	30	26.1*	1,280	23.4
12 years ¹	26	22.6*	1,935	35.3
13 or more years	7	5.7***	1,918	35.1
Citizenship status:				
U.S citizen	64	54.3***	4,941	90.3
Not U.S. citizen	53	45.7***	532	9.7
Establishment:				
Crop production	93	79.4**	—	—
Livestock production	11	9.7**	—	—
Other	13	10.9	—	—
Census region				
Northeast	7	6.4*	1,069	19.6
South	26	22.4*	1,795	32.8
Midwest	13	11.2***	1,135	20.7
West	70	60.0**	1,474	26.9

¹Schooling completed: 12 years means that a person received a high school diploma, GED, or equivalent degree.

*Significantly different from All Wage and Salary Workers at the 95-percent confidence level.

**Significantly different from all hired farmworkers (tables 2, 13, and 15) at the 95-percent confidence level.

***Significantly different from all wage and salary workers and all hired farmworkers (see tables 2, 13, and 15) at the 95-percent confidence level.

Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

Table 6—Rates of unemployment among hired farmworkers, by demographic characteristic, 1998

	<i>Percent unemployed</i>
All hired farmworkers	11.8
Occupation:	
Managers, farms, except horticultural	0*
Managers, horticultural specialty farms	8.4*
Supervisors, farmworkers	7.0*
Farmworkers	13.0
Nursery workers	9.1*
Gender:	
Male	9.9
Female	20.4*
Racial/ethnic group	
White	6.9*
Hispanic	14.2
Black and other	31.0*
Age (years):	
Less than 20	12.9
20-24	17.9*
25-34	9.4
35-44	12.8
45-54	11.0
55 and over	7.4*
Schooling completed	
0-4 years	16.9*
5-8 years	15.6*
9-11 years	12.3
12 years	10.2
13 or more years	4.3*
Citizenship status:	
U.S. citizen	9.8
Not U.S. citizen	15.5*
Census region:	
Northeast	10.4
South	8.7
Midwest	7.2*
West	16.0
Establishment:	
Crop production	16.9*
Livestock production	3.0*
Other	20.5*

¹Schooling completed: 12 years means that a person received a high school diploma, GED, or equivalent degree.

*Significantly different from unemployed percent (11.8) of all hired farmworkers at the 95-percent confidence level.

Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

Table 7—Reasons for unemployment and duration of unemployment, 1998

Item	Hired farmworkers		All wage and salary workers	
	<i>Thousands</i>	<i>Percent</i>	<i>Thousands</i>	<i>Percent</i>
Reasons for unemployment:				
Job loser/on layoff	47	40.5*	883	16.1
Other job loser	8	6.7*	1,286	23.5
Temporary job ended	16	13.8	560	10.2
Job leaver	4	3.7*	701	12.8
Re-entrant	41	35.3	2,043	37.3
Duration of unemployment:				
Less than 4 months	32	27.0	1,671	30.5
4-6 months	33	28.0*	923	16.9
7-9 months	10	8.3	612	11.2
10-12 months	6	5.3	476	8.7
13 months and over	36	31.3	1,790	32.7
Median (months)		6		7

*Significantly different from all wage and salary workers at the 95-percent confidence level.

Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

Table 8—Demographic characteristics of individuals reporting hired farmwork as their secondary job, 1998¹

Characteristics	Annual averages			
	Secondary job in hired farmwork		All hired farmworkers	
	Thousands	Percent	Thousands	Percent
All	63	100	875	100
Gender:				
Male	46	72.7	733	83.8
Female	17	27.3	142	16.2
Racial/ethnic group:				
White	56	88.7*	458	52.4
Hispanic	4	6.9*	366	41.8
Black and others	3	4.4	52	5.8
Age (years):				
Less than 20	5	8.3	133	15.2
20-24	6	9.3	116	13.3
25-34	17	26.9	224	25.6
35-44	15	24.4	185	21.1
45-54	12	19.4	122	14.0
55 and over	7	11.7	95	10.8
Median age		37*		33
Schooling completed:				
0-4 years	1	1.4*	96	10.9
5-8 years	3	4.7*	184	21.1
9-11 years	6	9.0*	218	24.9
12 years ²	20	32.5	232	26.5
13 or more years	33	52.4*	145	16.6
Citizenship:				
U.S. citizen	60	94.6*	581	66.5
Not U.S. citizen	3	5.4*	294	33.5
Establishment:				
Crop production	0	0*	458	52.3
Livestock production	2	2.7*	368	42.0
Other	61	97.3*	49	5.7
Census region:				
Northeast	8	12.8	64	7.4
South	11	18.1*	275	31.4
Midwest	31	49.7*	167	19.1
West	12	19.4*	369	42.2

¹Employed people who had either two or more jobs as a wage and salary worker, were self-employed and also held a wage and salary job, or worked as an unpaid family member and also held a wage and salary job and reported hired farmwork as their secondary job.

²Schooling completed: 12 years means that a person received a high school diploma, GED, or equivalent degree.

*Significantly different from all hired farmworkers at the 95-percent confidence level.

Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

Part- and Full-Time Workers

About 19 percent (162,000) of hired farmworkers were employed part-time (less than 35 hours per week) in 1998.⁵ The percentage of hired farmworkers working part-time is not as high as for some other occupations (fig. 18). Percentages of part-time workers ranged from 5 percent for precision production, craft and repair occupations, to 57 percent for private household services occupations. Part-time hired farmworkers were more likely than full-time hired farmworkers to be female, never married, U.S. citizens, and located in the Midwest census region (table 9). Over 50 percent were less than 20 years old, compared with 7 percent of full-time workers. A higher proportion of part-time hired farmworkers were employed in livestock production.

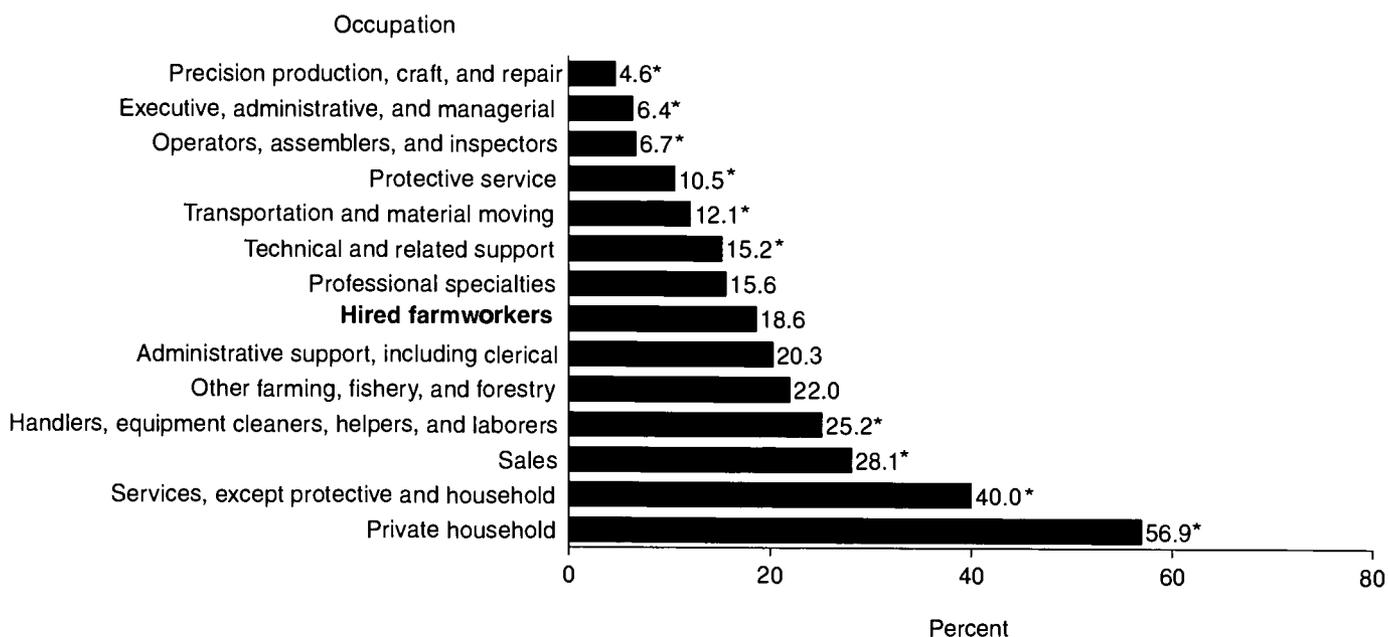
Survey enumerators asked part-time workers whether they worked part-time voluntarily for noneconomic reasons or because of economic reasons, such as slack

work or business conditions, or because they could find only part-time work. Almost 70 percent reported they worked part-time voluntarily. The number of hired farmworkers who reported working part-time for economic reasons was too small (base was less than 50,000) for statistically reliable analysis; therefore, only the noneconomic reasons will be discussed.

A large percent of both part-time hired workers and part-time wage and salary workers gave “school/training” as the major noneconomic reason for working part-time (table 10). The percentage of hired farmworkers giving this response was significantly higher than the percentage of all wage and salary workers, which is not surprising since more than half of the part-time hired farmworkers were less than 20 years old. The seasonal nature of farmwork frequently accommodates the need of students for flexible schedules.

⁵ Part-time and full-time distinctions do not imply seasonality, since the data do not measure the number of weeks worked during the year.

Figure 18
Part-time workers, by occupation, 1998



*Significantly different from hired farmworkers at the 95-percent confidence level.

Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

Table 9—Demographic characteristics of part-time and full-time hired farmworkers and all wage and salary workers, 1998

Characteristics	Annual averages							
	Hired farmworkers				All wage and salary workers			
	Part-time		Full-time		Part-time		Full-time	
	Thousands	Percent	Thousands	Percent	Thousands	Percent	Thousands	Percent
All	162	100	713	100	21,252	100	95,630	100
Gender:								
Male	118	72.4****	616	86.4***	6,700	31.5	54,332	56.8
Female	44	27.6****	97	13.6***	14,552	68.5	41,298	43.2
Racial/ethnic group:								
White	134	82.5*	324	45.5***	16,445	77.4	69,385	72.6
Hispanic	22	14.0*	343	48.1***	1,859	8.7	10,538	11.0
Black and others	6	3.5*	45	6.3***	2,948	13.9	15,707	16.4
Age (years):								
Less than 20	83	51.2****	50	7.0***	5,078	23.9	2,249	2.4
20-24	12	7.6****	104	14.6***	3,380	15.9	8,836	9.2
25-34	19	11.9*	204	28.7	3,507	16.5	25,552	26.7
35-44	14	8.4****	171	24.0***	3,641	17.1	28,156	29.4
45-54	13	7.9*	110	15.4***	2,497	11.7	21,022	22.0
55 and over	21	13.1	74	10.3	3,149	14.8	9,815	10.3
Median age		19*****		34*****		31		38
Marital status:								
Married	48	29.4****	406	57.0	9,065	42.7	56,830	59.4
Widowed, divorced, or separated	8	5.0****	73	10.3***	2,380	11.2	14,815	15.5
Never married	106	65.6****	233	32.7***	9,807	46.1	23,985	25.1
Schooling completed: ¹								
0-4 years	7	4.1*	89	12.5***	141	0.7	769	0.8
5-8 years	15	9.3****	169	23.7***	656	3.1	2,553	2.7
9-11 years	76	46.8****	142	19.9***	4,633	21.8	7,280	7.6
12 years ¹	38	23.3	194	27.2***	5,762	27.1	31,362	32.8
13 or more years	26	16.4****	119	16.7***	10,060	47.3	53,666	56.1
Citizenship:								
U.S. citizen	150	92.3*	432	60.6***	20,042	94.3	88,310	92.4
Not U.S. citizen	12	7.7*	281	39.4***	1,210	5.7	7,320	7.6
Establishment:								
Crop production	64	39.1*	394	55.3	—	—	—	—
Livestock production	92	57.0*	275	38.6	—	—	—	—
Other	6	3.9	43	6.1	—	—	—	—
Census region:								
Northeast	16	10.2**	48	6.8***	4,409	20.7	17,892	18.7
South	39	24.3	235	33.0	6,181	29.1	34,632	36.2
Midwest	60	36.9****	107	15.0***	5,756	27.1	22,696	23.7

¹Schooling completed: 12 years means that a person received a high school diploma, GED, or equivalent degree.

*Significantly different from full-time hired farmworkers at the 95-percent confidence level.

**Significantly different from part-time all wage and salary workers at the 95-percent confidence level.

***Significantly different from full-time all wage and salary workers at the 95-percent confidence level.

****Significantly different from full-time hired farmworkers and part-time all wage and salary workers at the 95-percent confidence level.

*****Significantly different from part-time all wage and salary workers and full-time all wage and salary workers at the 95-percent confidence level.

*****Significantly different from full-time hired farmworkers, part-time all wage and salary workers, and full-time all wage and salary workers at the 95-percent confidence level.

Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

Table 10—Reasons why part-time workers want to work part-time, 1998

Reasons	Annual averages	
	Hired farmworkers	All wage and salary workers
Total workers ¹	112	13,998
		<i>Thousands</i>
		<i>Percent</i>
Child care problems	0.8*	4.3
Other family/personal obligations	12.2*	27.4
Health/medical limitations	6.2	3.7
School/training	64.1*	44.6
Retired/Social Security limit on earnings	9.5	10.2
Full-time work week less than 35 hours	3.9	2.6
Other	3.2*	7.2

¹Those working part-time by choice.

*Significantly different from all wage and salary workers at the 95-percent confidence level.

Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

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Geographic Distribution of Hired Farmworkers

Demand for hired farmworkers varies by type of crop and livestock, length of growing and harvesting season, extent of mechanization, and scale of production. As a result, the number of hired farmworkers varies significantly among the census regions (table 11). The West had over 42 percent of all hired farmworkers in 1998, and the West and the South together accounted for almost 75 percent of hired farmworkers. The Northeast contained the smallest number of workers (7 percent).

The demographic characteristics of hired farmworkers differ by region (table 12). Hired farmworkers in the Northeast were more likely to be females than in any other region. The percent of white workers was higher in the Northeast and Midwest, the percent of Hispanic workers was higher in the West, and the percent of black and other workers was higher in the South. Hired farmworkers were younger in the Northeast and Midwest (youngest) and older in the South (oldest) and West. A higher percent of hired farmworkers in the

West had completed less than 9 years of education while a higher percent of those in the Midwest had completed 13 or more years.

The West had the highest percent of workers (71 percent) employed in crop production, while the Midwest had the lowest (24 percent). These regions switched rankings in livestock production, with the Midwest having the highest percent of hired farmworkers (71 percent) and the West having the lowest (23 percent).

The percent of hired farmworkers in the Midwest earning less than \$200 per week was significantly greater than for all hired farmworkers, and the percent earning less than \$100 in the West was less. The lower earnings in the Midwest can be partially explained by the almost 36 percent of the hired farmworkers who worked part-time. In the West, 13 percent were part-time hired farmworkers.

Table 11—Number of hired farmworkers, by census region, 1990-98

Year	Annual averages									
	Northeast		South		Midwest		West		Totals	
	Thousands	Percent	Thousands	Percent	Thousands	Percent	Thousands	Percent	Thousands	
1990	62	6.9	315	35.6	214	24.1	295	33.4	886	
1991	54	6.1	328	37.1	206	23.3	296	33.5	884	
1992	52	6.1	320	37.8	201	23.7	275	32.4	848	
1993	49	6.1	301	37.5	172	21.4	281	35.0	803	
1994	47	6.0	312	39.4	146	18.4	287	36.2	792	
1995	60	7.1	274	32.3	170	20.0	345	40.6	849	
1996	65	7.2	280	30.9	217	23.9	344	38.0	906	
1997	57	6.4	286	32.1	176	19.8	370	41.7	889	
1998	64	7.4	275	31.4	167	19.1	369	42.2	875	

Note: Data for 1994 and later years are not directly comparable with data for 1993 and earlier years because of changes to survey design. Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

Table 12—Demographic and earnings characteristics of hired farmworkers, by census region, 1998

Characteristic	Annual averages				
	Northeast	South	Midwest	West	All hired farmworkers
	<i>Thousands</i>				
Total	64	275	167	369	875
	<i>Percent</i>				
Gender:					
Male	70.1*	85.2	84.2	85.0	83.8
Female	29.9*	14.8	15.8	15.0	16.2
Racial/ethnic group:					
White	85.7*	50.1	96.0*	28.6*	52.4
Hispanic	5.7*	37.3	3.0*	68.9*	41.8
Black and others	8.6	12.6*	0.9*	2.5*	5.8
Age (years):					
Less than 20	19.1	9.2*	37.1*	9.0*	15.2
20-24	16.4	12.1	12.0	14.2	13.3
25-34	27.9	28.6	15.2*	27.6	25.6
35-44	20.1	20.7	15.0	24.4	21.1
45-54	5.9*	16.7	8.3*	16.0	14.0
55 and over	10.7	12.7	12.3	8.8	10.8
Median age	30*	35*	25*	34*	33
Schooling completed:					
0-4 years	1.2*	10.2	0.7*	17.8*	10.9
5-8 years	7.7*	20.4	5.7*	30.8*	21.1
9-11 years	26.4	27.2	33.3	19.2	24.9
12 years ¹	46.3*	27.5	33.4	19.0*	26.5
13 or more years	18.3	14.7	26.9*	13.1	16.6
Establishment:					
Crop production	34.6*	48.3	24.1*	71.1*	52.3
Livestock production	55.9	47.0	71.1*	22.8*	42.0
Other establishments ²	9.5	4.7	4.9	6.1	5.7
Status:					
Part-time	25.5	14.4	35.9*	12.6*	18.6
Full-time	74.5	85.6	64.1*	87.4*	81.4
Weekly earnings:					
Less than \$100	15.1	7.7	26.4*	6.1*	11.1
\$100-\$199	18.5	14.1	18.8*	11.7	14.3
\$200-\$299	28.0	39.6	15.3*	41.1	34.7
\$300-\$399	12.9	18.0	13.5	21.2	18.1
\$499-\$499	9.0	8.2	12.2	10.1	9.8
\$500-\$599	8.0	6.2	6.9	3.1	5.2
\$600 and over	8.5	6.3	7.0	6.7	6.7

¹Schooling completed: 12 years means that a person received a high school diploma, GED, or equivalent degree.

²Other establishments refer to agricultural services.

* Significantly different from all hired farmworkers at the 95-percent confidence level.

Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

Distribution of Hired Farmworkers by Establishment

More than 52 percent of hired farmworkers were employed in crop production in 1998, 42 percent were employed in livestock production, and 6 percent were employed in other agricultural establishments (table 13).⁶ Throughout the 1990's, the portion of hired farmworkers employed in crop, livestock, and other establishments has remained fairly constant, although the percentage in the other category was lower in 1998 than for most of the decade (table 13).

The demographic characteristics of workers differed among the establishment types (table 14). Crop production workers tended to be Hispanic (59 percent), older (median age of 34), and less educated (44 percent had less than 9 years of education) than livestock workers. Over half of crop workers were employed in the West, and 86 percent were employed full-time.

⁶ The workers in the "other" establishment category were farm managers (10 percent), supervisors of farmworkers (6 percent), and were hired workers (84 percent), compared with 8 percent of all hired farmworkers being farm managers, 4 percent supervisors of farmworkers, and 88 percent hired workers.

Table 13—Number of hired farmworkers, by establishment, 1990-98

Year	Annual averages						Totals Thousands
	Crop production		Livestock production		Other ¹		
	Thousands	Percent	Thousands	Percent	Thousands	Percent	
1990	419	47.3	390	44.0	77	8.7	886
1991	449	50.7	363	41.0	72	8.2	884
1992	409	48.2	354	42.9	75	8.9	848
1993	436	54.3	313	39.0	54	6.7	803
1994	411	51.8	315	39.8	66	8.4	792
1995	433	51.0	345	40.6	71	8.4	849
1996	451	49.8	369	40.7	86	9.5	906
1997	432	48.6	376	42.3	81	9.1	889
1998	458	52.3	368	42.0	49	5.7	875

Note: Data for 1994 and later years are not directly comparable with data for 1993 and earlier years because of changes to survey design.

¹Other establishments refer to agricultural services.

Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

Table 14—Demographic and earnings characteristics of hired farmworkers, by establishment, 1998

Characteristic	Annual averages			
	Crop production	Livestock production	Other ¹	All hired farmworkers
	<i>Thousands</i>			
Total	458	368	49	875
	<i>Percent</i>			
Gender:				
Male	85.0	84.3	— ²	83.8
Female	15.0	15.7	—	16.2
Racial/ethnic group:				
White	34.1*	75.0*	—	52.4
Hispanic	59.0*	20.0*	—	41.8
Black and others	6.8	5.0	—	5.8
Age (years):				
Less than 20	11.6	19.7	—	15.2
20-24	14.3	12.8	—	13.3
25-34	26.2	24.6	—	25.6
35-44	20.3	21.5	—	21.1
45-54	16.8	10.3	—	14.0
55 and over	10.7	11.0	—	10.8
Median age	34*	31*	—	33
Schooling completed:				
0-4 years	15.9*	4.9*	—	10.9
5-8 years	28.3*	12.6*	—	21.1
9-11 years	22.4	29.3	—	24.9
12 years ³	21.7	32.0	—	26.5
13 or more years	11.8*	21.3	—	16.6
Census region:				
Northeast	4.9	9.8	—	7.4
South	29.0	35.1	—	31.4
Midwest	8.9*	32.2*	—	19.1
West	57.3*	22.9*	—	42.2
Status:				
Part-time	13.9	25.2*	—	18.6
Full-time	86.1	74.8*	—	81.4
Weekly earnings:				
Less than \$100	8.0	16.1	—	11.1
\$100-\$199	11.2	18.3	—	14.3
\$200-\$299	44.8*	20.6*	—	34.7
\$300-\$399	18.9	18.1	—	18.1
\$499-\$499	8.0	12.5	—	9.8
\$500-\$599	3.9	6.8	—	5.2
\$600 and over	5.2	7.5	—	6.7

¹Other establishments refer to agricultural services.

²Percentages not shown where base is less than 50,000.

³Schooling completed: 12 years means that a person received a high school diploma, GED, or equivalent degree.

*Significantly different from all hired farmworkers at the 95-percent confidence level.

Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

Earnings Characteristics of Hired Farmworkers in 1998

In many nonfarm industries, the hourly wage is established through negotiations between a workers' bargaining unit and an employer. Generally, farm employers establish the wage system, and pay hourly wages, piece-rate wages, and/or a combination of hourly and piece-rate wages (Martin, 1998). According to Martin, farm employers tend to pay hourly wages under the following situations:

- When they want slow and careful work, such as pruning trees and vines.
- When the employer can easily control the pace of the work, such as field packing of vegetables, in which workers walk behind a machine whose pace is controlled by the driver/employer.
- By tradition for certain tasks, such as early season picking, thinning, or hoeing.

Farm employers tend to pay piece-rate wages under the following situations:

- When it is difficult to regulate the pace of the work.
- When product quality is not of great importance.
- When an employer wants to keep labor costs constant with a diverse labor force.

Employers pay a combination hourly and piece-rate wages when they want careful but fast work.

The average hourly earnings of workers who are paid piece rates are typically higher than hourly wages. However, hourly workers tend to average more hours per week. Martin (1998) found little difference between the weekly earnings of workers paid piece rate or hourly wages in California (Martin, 1998).

The median weekly earnings for hired farmworkers were considerably lower than for all wage and salary workers. Hired farmworkers received median weekly earnings of \$260, about 57 percent of the \$456 received by all wage and salary workers (table 15).⁷

⁷ Data on earnings refer to the usual earnings received from the worker's farmwork job, before deductions, and include any overtime pay or commissions.

The gap appears to have widened since 1996, when hired farmworkers received median weekly earnings of 60 percent of those received by all wage and salary workers (app. tables 1 and 2). Emerson and Roka (1999) argue that the financial return to unskilled labor, such as most hired farmwork, has remained relatively constant, while the financial return to more highly skilled labor has increased, increasing the gap between skilled and unskilled labor.

Between 1990 and 1998, median weekly earnings of hired farmworkers increased 30 percent (from \$200 to \$260), while the median weekly earnings of all wage and salary workers increased 27 percent (from \$360 to \$456). After adjusting for inflation, the median weekly earnings of hired farmworkers increased only 4 percent between 1990 and 1998, and the median weekly earnings for all wage and salary workers increased about 2 percent. Hired farmworkers, regardless of part-time or full-time status, continued to rank among the lowest paid workers of 13 major occupational groups (figs. 19, 20, and 21).

In addition to differences in weekly earnings between hired farmworkers and all wage and salary workers, weekly earnings differed among groups within the hired farm workforce (table 16). Hired farmworkers who were male, white or black and other, 25 to 55 years of age, more educated with at least 12 years of school, employed in livestock production, and living in the West had higher median earnings than their comparison groups.

Minimum Wage

Comparing the percentage of hired farmworkers earning the Federal minimum wage with the percentage of all wage and salary workers earning the Federal minimum wage requires a brief discussion of the different treatment the employers of the two groups receive under Federal law. Many farm employers (including those employing 500 or less man-days of labor in a calendar quarter and those employing workers primarily in the range production of livestock) are not required to pay the Federal minimum wage (Runyan, 2000). Also some States (California, for example) require all employers to pay State minimum wages that are equal to or greater than the Federal minimum wage. Therefore, a significantly large percentage of hired farmworkers earning less than the Federal mini-

Table 15—Weekly earnings of hired farmworkers and all wage and salary workers, 1998

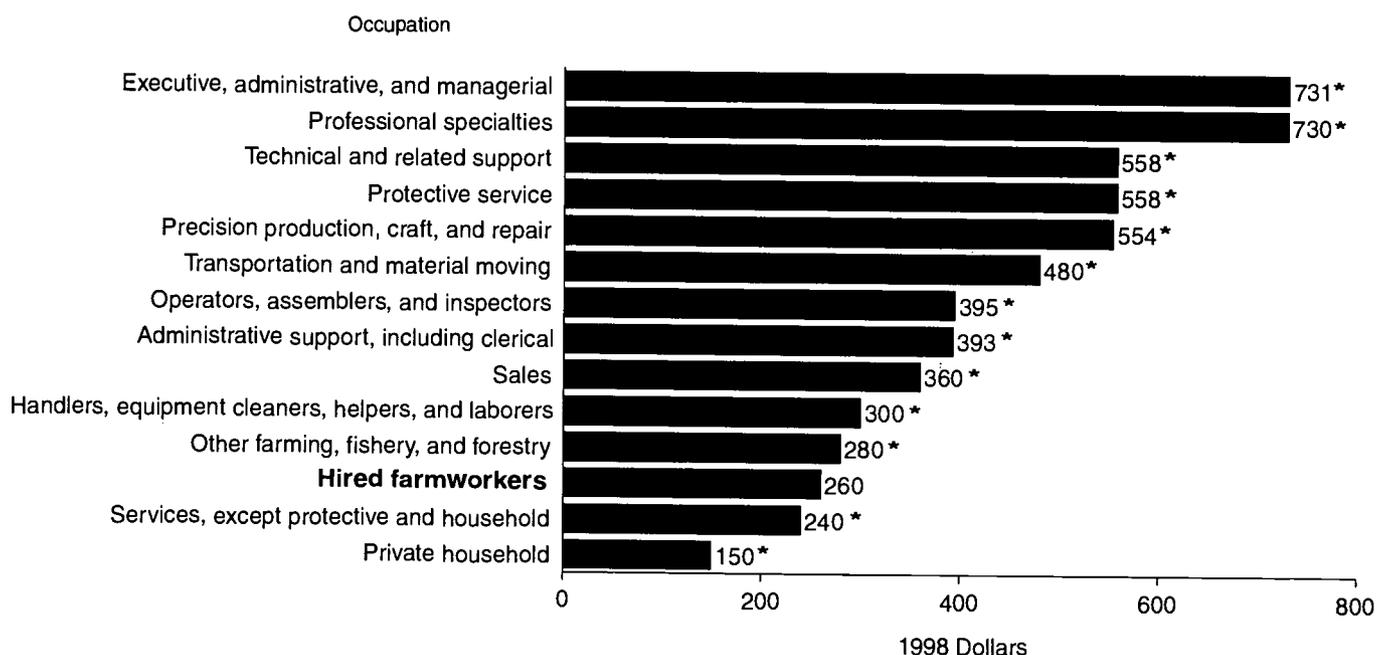
Characteristics	Annual averages	
	Hired farmworkers	All wage and salary workers
	<i>Thousands</i>	
Total	779	116,882
	<i>Percent</i>	
Weekly earnings:		
Less than \$100	11.1*	5.0
\$100-\$199	14.3*	9.2
\$200-\$299	34.7*	14.2
\$300-\$399	18.2*	13.7
\$400-\$499	9.8*	12.6
\$500-\$599	5.2*	9.9
\$600 and over	6.7*	35.4
Median weekly earnings	\$260*	\$456

*Significantly different from all wage and salary workers at the 95-percent confidence level.

Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

Figure 19

Median weekly earnings of all workers, by occupation, 1998

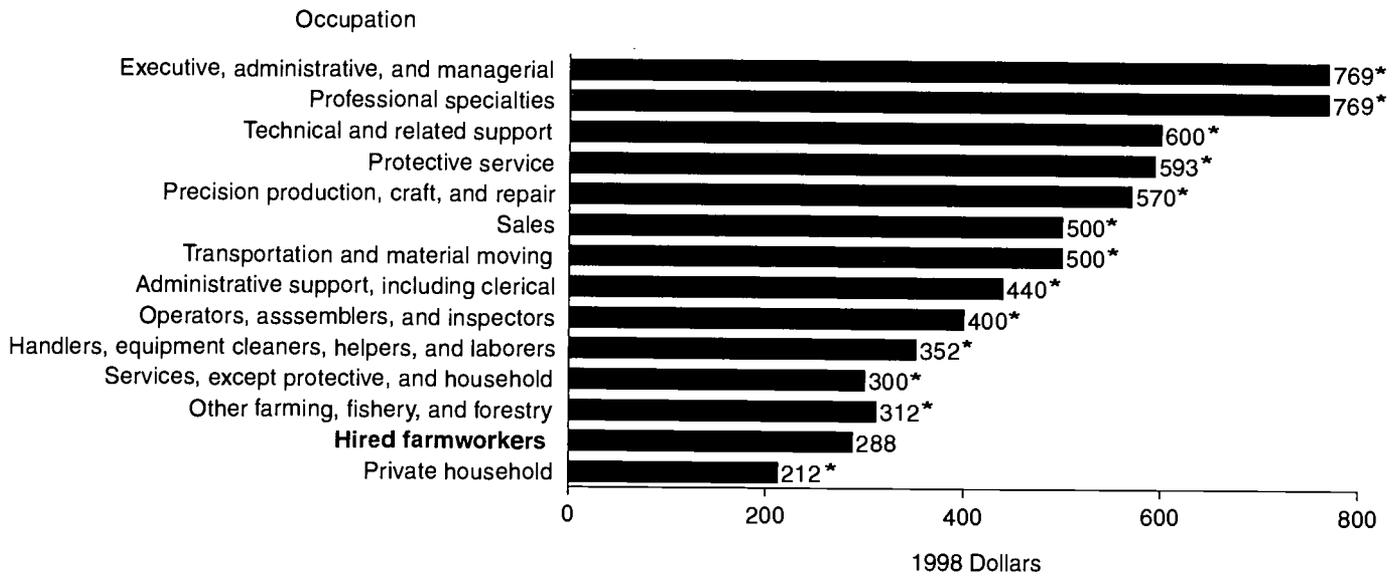


*Significantly different from hired farmworkers at the 95-percent confidence level.

Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

Figure 20

Median weekly earnings of full-time workers, by occupation, 1998

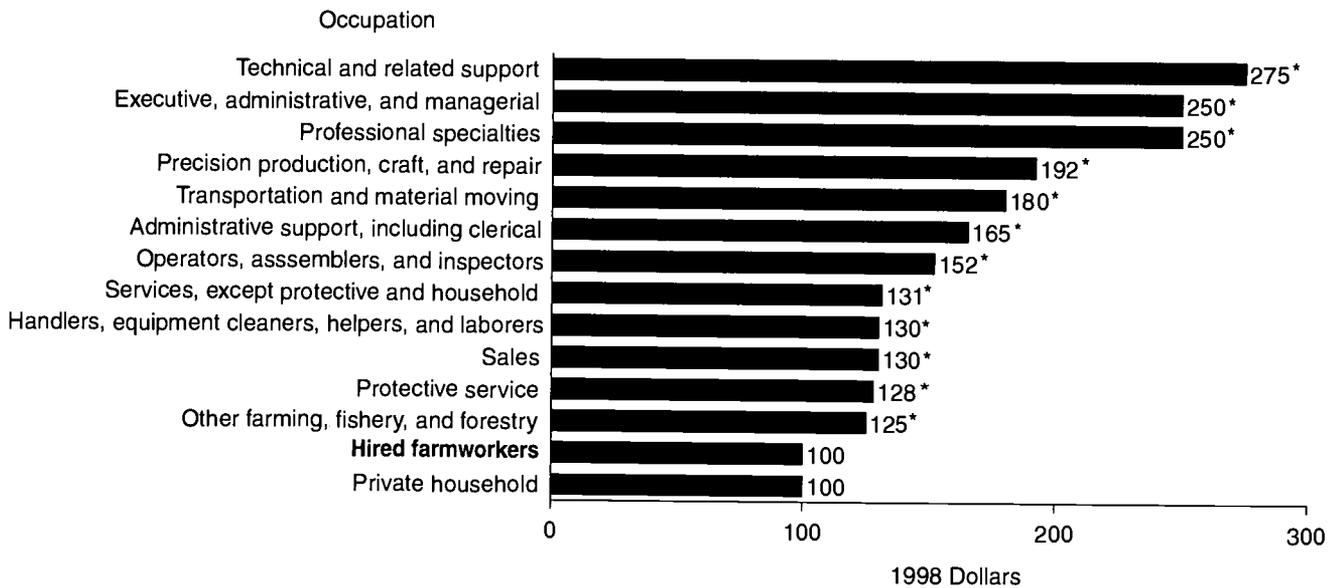


*Significantly different from hired farmworkers at the 95-percent confidence level.

Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

Figure 21

Median weekly earnings of part-time workers, by occupation, 1998



*Significantly different from hired farmworkers at the 95-percent confidence level.

Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

Table 16—Median weekly earnings of hired farmworkers, by demographic and employment characteristics, 1998

Characteristic	Annual averages				
	Hired farmworkers	Median weekly earnings	Characteristic	Hired farmworkers	Median weekly earnings
	Thousands	Dollars		Thousands	Dollars
All hired farmworkers	875	260	Schooling completed (years):		
			0-4	96	250*
Gender:			5-8	184	246*
Male	733	270*	9-11	218	210*
Female	142	230*	12	232	315*
			13 or more	145	300*
Racial/ethnic:			Establishment:		
White	458	269*	Crop production	458	255*
Hispanic	366	250*	Livestock production	368	277*
Black and other	91	269*	Other		
Age (years):			Census region:		
Less than 20	133	106*	Northeast	64	240*
20-24	116	243*	South	275	250*
25-34	224	276*	Midwest	167	240*
35-44	185	312*	West	369	272*
45-54	122	280*	Status:		
55 and older	95	250*	Part-time	162	100*
			Full-time	713	288*

*Significantly different from all hired farmworkers at the 95-percent confidence level.

Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

minimum wage does not indicate widespread labor law violations by farm employers.

In 1998, about 25 percent of all hired farmworkers and 22 percent of full-time farmworkers earned less than \$5.15 an hour—the Federal minimum wage.⁸ In comparison, 6 percent of all wage and salary workers and 5 percent of all full-time wage and salary workers received less than \$5.15 an hour. Hired farmworkers earning less than the minimum wage were more likely than all hired farmworkers to be white, younger, and working in livestock production, and less likely to be located in the West (table 17).

⁸ Workers report their earnings on the CPS as weekly earnings or hourly earnings if they were paid by the hour. Weekly earnings were converted to hourly earnings by dividing by the number of hours usually worked at the primary job. Both the calculated and reported hourly wages were used in the analysis. The U.S. Department of Labor reports are based on hourly earnings (USD, 1999).

Family Income

For most hired farmworkers, earnings are a major source of family income. Those employed as hired farmworkers in their primary job had lower family incomes in 1998 than did all wage and salary workers (table 18).⁹ About half of the hired farmworkers had family incomes of less than \$20,000, compared with only 25 percent of all wage and salary workers. These patterns remained the same for full-time workers as well. The percentages of all and full-time hired farmworkers with family incomes less than \$20,000 were among the highest of 14 major occupations (figs. 22 and 23).

⁹ The CPS defines family income as the combined income of all family members during the past 12 months, including money from jobs; net income from businesses, farms, and rents; pensions, dividends, interest, and social security payments; and any other money received by family members who are 15 years of age and older.

Table 17—Demographic characteristics of hired farmworkers earning less than the minimum wage (\$5.15 an hour), 1998

Characteristics	Annual averages					
	All hired farmworkers earning less than \$5.15 an hour		Full-time hired farmworkers earning less than \$5.15 an hour ¹		All hired farmworkers	
	Thousands	Percent	Thousands	Percent	Thousands	Percent
All	218	100	159	100	875	100
Gender						
Male	177	81.3	138	86.4	733	83.8
Female	41	18.7	21	13.6	142	16.2
Racial/ethnic group:						
White	140	64.4*	87	54.7	458	52.4
Hispanic	71	32.6*	67	42.1	366	41.8
Black and others	7	3.0	5	3.2	51	5.8
Age (years):						
Less than 20	56	25.7*	21	13.4	133	15.2
20-24	32	14.6	28	17.6	116	13.3
25-34	40	18.3*	36	22.7	224	25.6
35-44	34	15.5	29	18.1	185	21.1
45-54	27	12.7	22	14.1	122	14.0
55 and over	28	13.2	22	14.1	95	10.8
Median age		30*		34*		33
Schooling completed:						
0-4 years	24	10.8	21	13.3	96	10.9
5-8 years	40	18.5	36	22.5	184	21.1
9-11 years	59	27.1	30	18.6	218	24.9
12 years ²	53	24.5	41	26.0	232	26.5
13 or more years	42	19.0	31	19.6	145	16.6
Citizenship status:						
U.S.	158	72.8	103	64.6	581	66.4
Foreign born, not a U.S. citizen	59	27.2	56	35.4	294	33.6
Establishment:						
Crop production	90	41.2*	71	44.7	458	52.3
Livestock production	110	55.1*	81	50.6	368	42.0
Other ³	8	3.7	7	4.7	49	5.7
Census region:						
Northeast	17	7.9	12	7.6	64	7.4
South	75	34.4	58	36.2	275	31.4
Midwest	54	24.8	30	18.8	167	19.1
West	71	32.8*	60	37.4	369	42.2

¹Worked 35 or more hours per week as a hired farmworker.

²Schooling completed: 12 years means that a person received a high school diploma, GED, or equivalent degree.

³Other establishments refer to agricultural services.

*Significantly different from all hired farmworkers at the 95-percent confidence level.

Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

Table 18—Family income of hired farmworkers and all wage and salary workers, 1998¹

Income	Annual averages			
	Hired farmworkers		All wage and salary workers	
	<i>Thousands</i>	<i>Percent</i>	<i>Thousands</i>	<i>Percent</i>
Totals	875	100	116,882	100
Less than \$10,000	221	25.2*	17,473	15.0
\$10,000-\$19,999	213	24.3*	11,186	9.6
\$20,000-\$29,999	154	17.7*	15,108	12.9
\$30,000-\$39,999	107	12.2	15,224	13.0
\$40,000-\$49,999	67	7.7*	12,432	10.6
\$50,000 or more	113	12.9*	45,459	38.9

¹Combined income of all family members during the last 12 months. Includes money from jobs; net income from businesses, farms and rents; pensions, dividends, interest, and social security payments; and any other money income received by family members who are 15 years of age and older.

*Significantly different from all wage and salary workers at the 95-percent confidence level.

Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

Low-Wage Workers

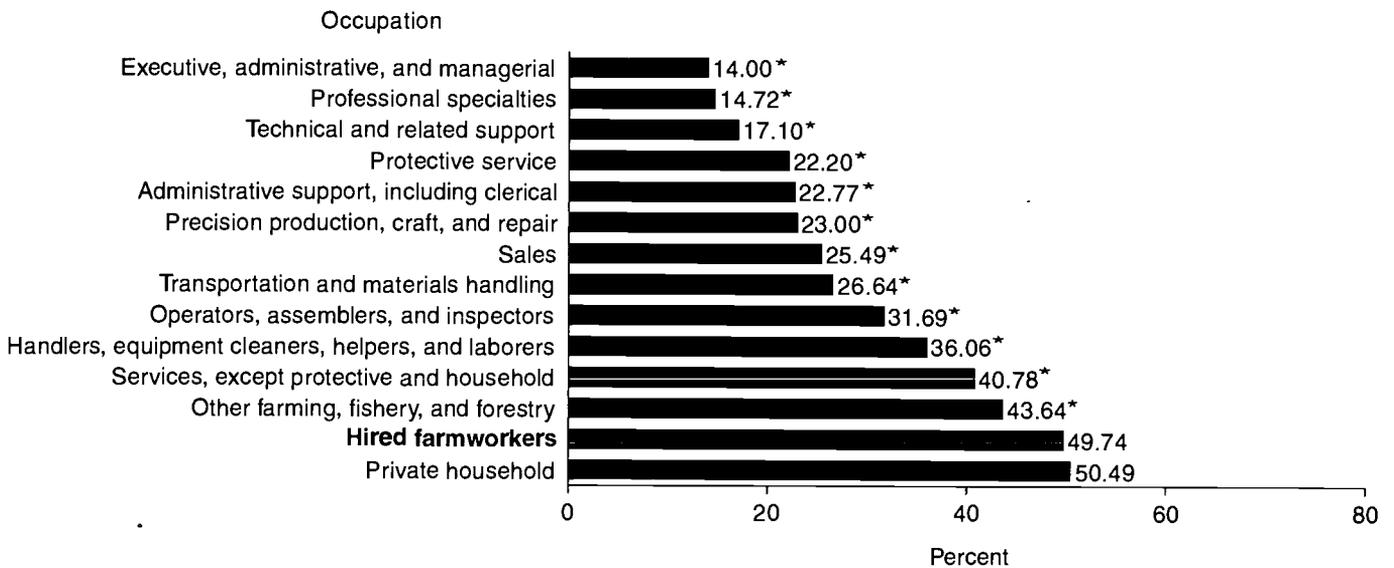
Low-wage workers were defined as those 25 years of age and over who earned less than the official U.S. 1998 weighted poverty threshold for a family of four (\$16,655). In 1998, about 55 percent of hired farmworkers were classified as low-wage based on this definition. Hired farmworkers had higher proportions of low-wage workers than most other occupations (except for private household, and services, except protective and household) (fig. 24).

Among full-time hired farmworkers, the proportion of low-wage workers was lower (45 percent) than for all workers (fig. 25).

More than half (55 percent) of the low-wage hired farmworkers were Hispanic, over 64 percent had completed less than 12 years of education, over 60 percent were working in crop production, and almost 57 percent were U.S. citizens (table 19). Also, over half had family incomes less than \$15,000 in the last 12 months.

Figure 22

Percent of all wage and salary workers with family incomes less than \$20,000, by occupation, 1998¹



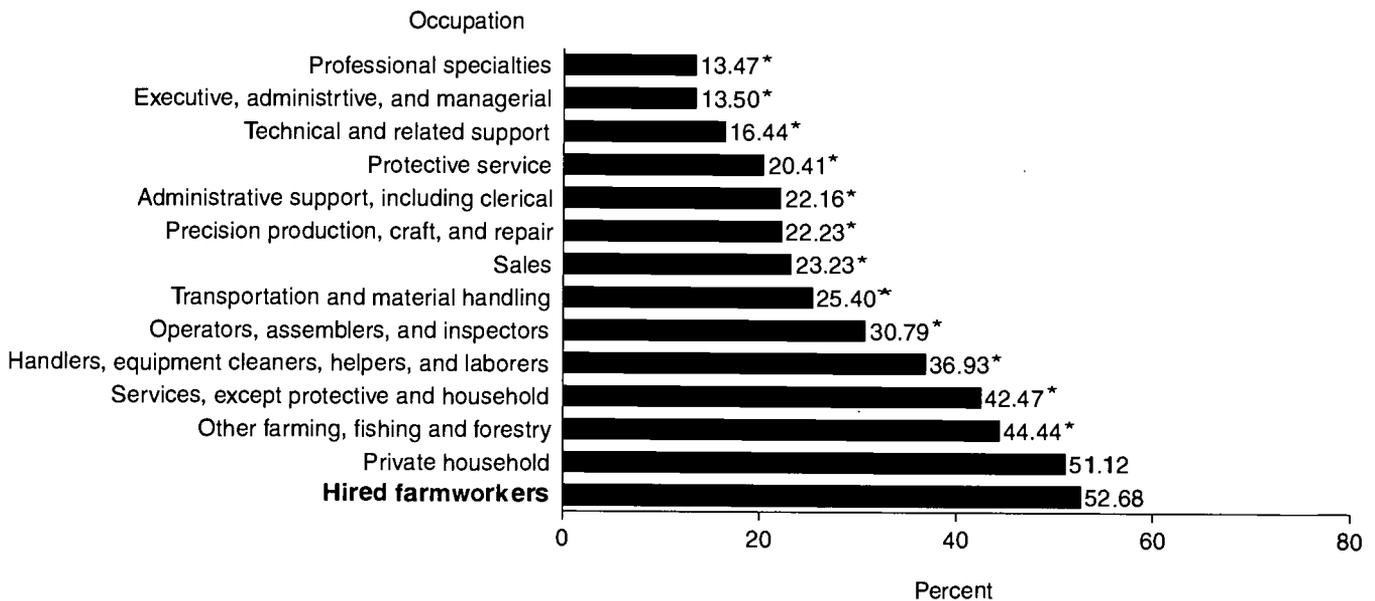
¹Combined income of all family members during the last 12 months. Includes money from jobs; net income from businesses, farms, and rents; pensions, dividends, interest, and social security payments; and any other money income received by family members who are 15 years of age and older.

*Significantly different from hired farmworkers at the 95-percent confidence level.

Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

Figure 23

Percent of full-time wage and salary workers with family incomes less than \$20,000, by occupation, 1998¹

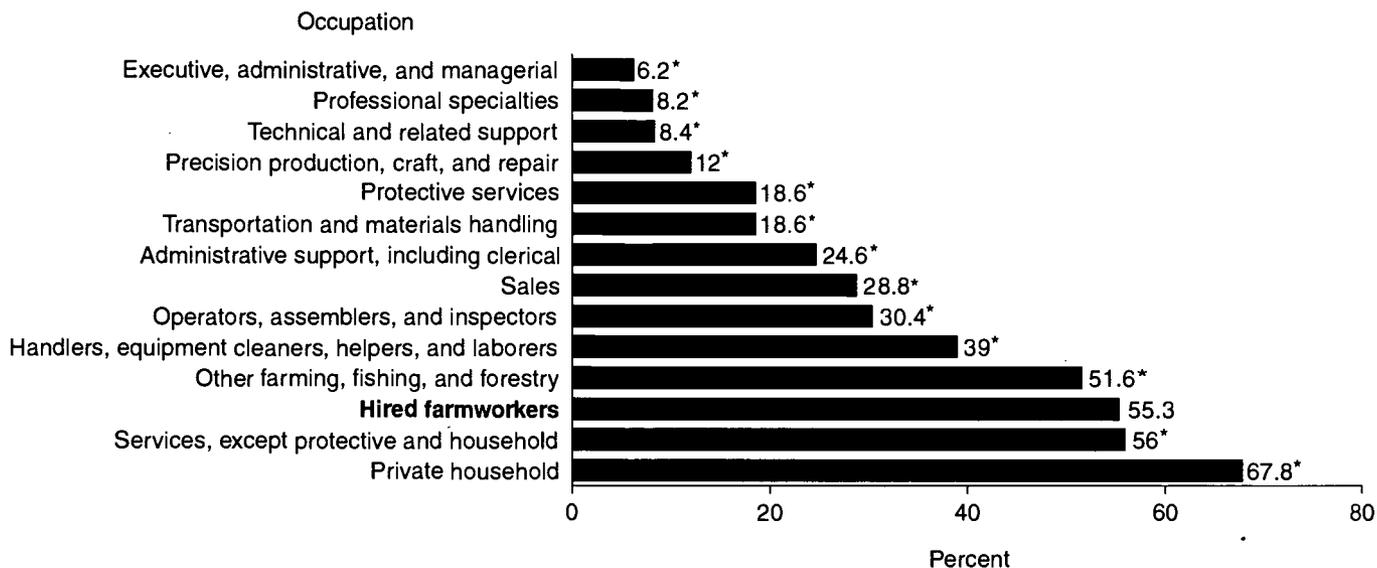


¹Combined income of all family members during the last 12 months. Includes money from jobs; net income from businesses, farms, and rents; pensions, dividends, interest, and social security payments; and any other money income received by family members who are 15 years of age and older.

*Significantly different from hired farmworkers at the 95-percent confidence level.

Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

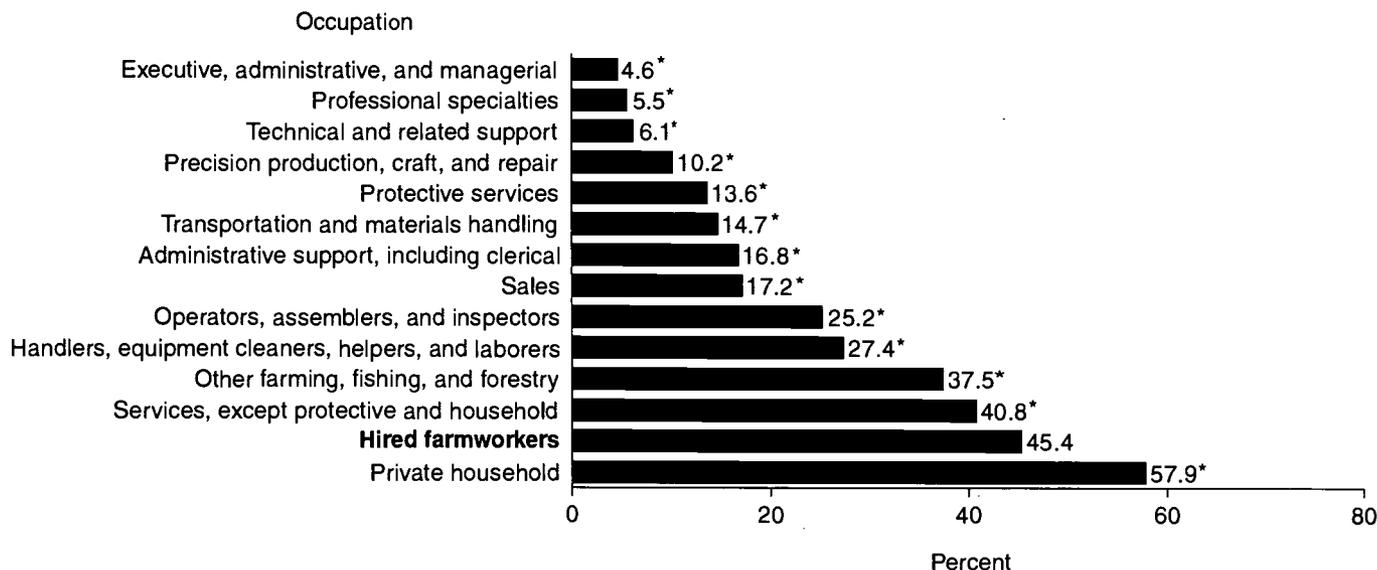
Figure 24
Percent of all workers who are low-wage, by occupation, 1998



*Significantly different from hired farmworkers at the 95-percent confidence level.

Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

Figure 25
Percent of full-time workers who are low-wage, by occupation, 1998



*Significantly different from hired farmworkers at the 95-percent confidence level.

Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

Table 19—Demographic characteristics of low-wage hired farmworkers, compared with all hired farmworkers, 1998

Characteristics	Annual averages			
	Low-wage hired farmworkers ¹		All hired farmworkers 25 years of age and older	
	Thousands	Percent	Thousands	Percent
Total	346	100.0	626	100.0
Gender:				
Male	272	78.7	518	82.7
Female	74	21.3	108	17.3
Racial/ethnic group:				
White	132	38.2*	301	48.1
Hispanic	190	54.8*	282	45.0
Black and other	24	7.0	43	6.9
Age (years):				
Less than 20	—	—	—	—
20-24	—	—	—	—
25-34	132	38.1	224	35.8
35-44	84	24.2	185	29.4
45-54	72	21.1	122	19.6
55 and over	58	16.6	95	15.2
Median age		39		39
Schooling completed:				
0-4 years	52	15.1	78	12.6
5-8 years	102	29.3	147	23.5
9-11 years	68	19.8	112	17.8
12 years ²	74	21.5	176	28.0
13 or more years	50	14.3	113	18.1
Citizenship status:				
U.S. citizen	196	56.8*	405	64.7
Not U.S. citizen	150	43.2*	221	35.3
Establishment:				
Crop production	208	60.1	339	54.2
Livestock production	116	33.5	248	39.6
Other	22	6.4	39	6.2
Census region:				
Northeast	23	6.6	42	6.7
South	120	34.8	216	34.5
Midwest	35	10.2	85	13.5
West	168	48.4	283	45.3

¹Low-wage workers are workers 25 years of age and older earning less than the official U.S. 1998 weighted poverty threshold for a family of four (\$16,655).

²Schooling completed: 12 years means that a person received a high school diploma, GED, or equivalent degree.

* Significantly different from all hired farmworkers 25 years of age and older at the 95-percent confidence level.

Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

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Glossary

Wage and salary workers—Persons 15 years of age and older who during the survey week:

- 1) did any work as paid employees; or
- 2) were not working but had jobs or businesses from which they were temporarily absent because of illness, bad weather, vacation, labor-management disputes, or personal reasons, whether they were paid for the time off or were seeking other jobs.

Unemployed persons—Persons 15 years of age and older who, during the survey week:

- 1) were unemployed-on layoff; or
- 2) were unemployed-looking for employment.

Hired farmworkers—Employed persons who during the survey week did farmwork for cash wages or salary, or did not work but had farm jobs from which they were temporarily absent. Hired farmworkers include persons who manage farms for employers on a paid basis, supervisors of farmworkers, and farm and nursery workers.

Annual average number of hired farmworkers—The average number of hired farmworkers employed per week during 1998.

Racial/ethnic group—Refers to division of the population into three mutually exclusive groups—white, Hispanic, and black and “other.” “Hispanic” includes all persons who identified themselves in the enumeration process as Mexican, Mexicano, Puerto Rican, Cuban, Central or South American, or of other Hispanic origin or descent. “White” refers to white persons other than those of Hispanic origin. “Black and other” includes non-white persons and other groups such as African-Americans, Indians, Chinese, Japanese, and other groups not of Hispanic origin.

Education—Refers to the highest level of school completed or the highest degree received. Beginning January 1992, education level was revised to reflect degrees or diplomas received rather than years of school completed. Despite this change, the label used to describe education levels, “years of schooling completed,” remained the same.

Full-time workers—Persons who usually work 35 hours or more per week. Persons working less than 35 hours per week are considered part-time.

Median weekly earnings—The value that divides the earnings distribution into two equal parts, one part having earnings above the median and another part having earnings below the median. “Earnings” refers to the weekly earnings the farmworker usually earns at a farm job, before deductions, and includes over-time pay or commissions.

Industry—Hired farmworkers were classified according to the industry of the establishment where they worked:

Crop production—Establishments primarily engaged in producing crops, plants, vines, and trees (excluding forestry operations).

Livestock production—Establishments primarily engaged in the keeping, grazing, or feeding of livestock.

Other agricultural establishments—Establishments primarily engaged in agricultural services.

Family income—Combined income of all family members during the past 12 months. Includes money from jobs; net income from businesses, farms, or rents; pensions, dividends, interest, social security payments; and any other money income received by family members who are 15 years of age and older.

Census regions—The census regions and their States are:

Northeast—Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont.

South—Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.

Midwest—Indiana, Illinois, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin.

West—Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming (U.S. Department of Labor. *Employment and Earnings*. Jan. 1999).

Appendix table 1—Demographic and earnings characteristics of hired farmworkers, 1990-1998

Characteristics	Annual averages								
	1990	1991	1992	1993	1994 ¹	1995 ¹	1996	1997	1998
	<i>Thousands</i>								
Number of workers	886	884	848	803	793	849	906	889	875
	<i>Percent</i>								
Total	100	100	100	100	100	100	100	100	100
Gender:									
Male	82.9	82.4	83.8	84.7	83.7	84.5	84.2	83.3	83.8
Female	17.1	17.6	16.2	15.3	16.3	15.5	15.8	16.7	16.2
Racial/ethnic group:									
White	61.0*	60.3*	59.7*	57.5	51.3	53.5	58.9*	52.4	52.4
Hispanic	29.4*	28.3 *	30.7*	33.6*	41.3	41.1	36.0*	41.0	41.8
Black and other	9.6*	11.4*	9.6*	8.9*	7.4	5.3	5.1	6.6	5.8
Age (years):									
Less than 25	31.5	25.0	24.7	27.2	28.0	30.1	27.9	30.7	28.4
25-44	47.6	51.6*	52.6*	51.1	48.8	44.2	46.0	45.6	46.7
45-59	14.4	15.1	16.3	16.2	17.2	18.2	19.1	17.1	17.8
60 and older	6.5	8.3	6.4	5.5	6.0	7.5	7.0	6.6	7.1
Marital status:									
Married	53.3	53.4	53.5	51.8	58.5*	58.5*	56.3	52.1	51.9
Widowed, divorced, or separated	8.9	11.2	10.1	9.5	8.7	7.5	8.1	8.4	9.3
Never married	37.8	35.4	36.4	38.6	32.8*	34.0	35.6	39.5	38.8
Schooling completed: ²									
0-4 years	11.1	11.5	14.1	16.4*	13.4	14.2	13.1	12.2	10.9
5-8 years	21.6	21.2	16.0*	17.4	22.9	22.5	19.9	22.1	21.1
9-11 years	22.8	22.6	27.0	21.8	22.7	22.7	24.2	24.8	24.9
12 years	31.4	31.0	26.9	27.0	25.9	25.9	25.4	22.3	26.5
13 years or more	13.1	13.7	16.0	17.4	15.6	14.7	17.4	18.6	16.6
	<i>1998 Dollars</i>								
Median weekly earnings: ³									
Full-time workers ⁴	299	290	279	282	275	278	291	281	288
All workers	249	251	238	248	262	257	260	254	260

¹Revised.

²Schooling completed: 12 years means that a person received a high school diploma, GED, or equivalent degree.

³Median earnings are in 1998 dollars.

⁴Full-time workers usually work 35 or more hours per week.

*Significantly different from percentage shown for 1998 at the 95-percent confidence level. Levels of significance were not estimated for median earnings.

Note: Data for 1994 and later years are not directly comparable with data for 1993 and earlier years.

Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

Appendix table 2—Demographic and earnings characteristics of all wage and salary workers, 1990-1998

Characteristics	Annual averages								
	1990	1991	1992	1993	1994 ¹	1995 ¹	1996	1997	1998
	<i>Thousands</i>								
Number of workers	104,351	103,166	104,054	105,407	108,166	110,220	112,142	114,691	16,882
	<i>Percent</i>								
Total	100	100	100	100	100	100	100	100	100
Gender:									
Male	52.7*	52.5	52.2	52.1	52.4	52.4	52.2	52.2	52.2
Female	47.3*	47.5	47.8	47.9	47.6	47.6	47.8	47.8	47.8
Racial/ethnic group:									
White	78.3*	78.1*	77.9*	77.7*	76.3*	76.2*	75.0*	74.0*	73.4
Hispanic	7.9*	8.0*	8.0*	8.2*	9.3*	9.5*	9.7*	10.4	10.6
Black and other	13.8*	13.9*	14.1*	14.1*	14.4*	14.3*	15.3*	15.6*	16.0
Age (years):									
Less than 25	15.8*	17.2*	16.7	16.6	17.1*	16.8	16.2*	16.4*	16.7
25-44	56.5*	55.4*	55.2*	54.7*	54.3*	53.9*	53.8*	53.0*	52.1
45-59	21.8*	21.7*	22.5*	23.2*	23.4*	24.0*	24.7*	25.4*	25.9
60 and older	5.9*	5.7*	5.6*	5.5*	5.2	5.3	5.3	5.2	5.3
Marital status:									
Married	58.2*	58.5*	58.3*	58.2*	57.9*	58.0*	58.0*	57.0*	56.4
Widowed, divorced, or separated	14.3*	14.3*	15.4*	14.6	14.5	14.4*	14.5	14.6	14.7
Never married	27.5*	27.2*	27.2*	27.1*	27.6*	27.6*	27.5*	28.4*	28.9
Schooling completed: ²									
0-4 years	1.0*	0.9*	0.9*	0.8	0.8	0.8	0.7*	0.8	0.8
5-8 years	4.0*	3.7*	3.0*	2.8	2.8	2.7	2.7	2.8	2.7
9-11 years	10.8*	10.2	10.1	9.8*	9.5*	9.5*	9.7*	10.0	10.2
12 years	39.4*	39.2*	35.0*	34.4*	33.3*	32.7*	32.4*	32.4*	31.8
13 years or more	44.8*	46.0*	51.0*	52.2*	53.6*	54.3	54.4	54.0*	54.5
	<i>1998 Dollars</i>								
Median weekly earnings: ³									
Full-time workers ⁴	504	511	511	513	528	513	500	508	520
All workers	449	440	440	451	440	428	430	439	456

¹Revised.

²Schooling completed: 12 years means that a person received a high school diploma, GED, or equivalent degree.

³Median earnings are in 1998 dollars.

⁴Full-time workers usually work 35 or more hours per week.

*Significantly different from percentage shown for 1998 at the 95-percent confidence level. Levels of significance were not estimated for median earnings.

Note: Data for 1994 and later years are not directly comparable with data for 1993 and earlier years.

Source: Calculated by ERS using data from the Current Population Survey earnings microdata file.

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