

# Farm Labor



National  
Agricultural  
Statistics  
Service

United States  
Department of  
Agriculture

Washington, D.C.

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Released February 17, 1993, by the Agricultural Statistics Board. Estimates refer to the week of January 10-16, 1993.

## Number of Workers Down

There were 2.51 million people working on the Nation's farms and ranches during the week of January 10-16, 1993. This compares with 2.57 million people during the January 1992 survey week. Self-employed farm operators accounted for 1.42 million of the total, along with 313,000 unpaid workers, and 611,000 workers hired directly by farm operators. Agricultural service employees working on farms and ranches made up the remaining 157,000 workers.

Farm operators paid their hired workers an average wage of \$6.40 per hour during the January 1993 survey week. This rate was up 3 cents from a year earlier. Workers paid on an hourly basis earned \$5.99 per hour compared with \$5.97 in January 1992. Field workers received an average of \$6.02 per hour, up 3 cents from the January 1992 survey week. Livestock workers earned \$5.64 per hour compared with \$5.62 a year earlier.

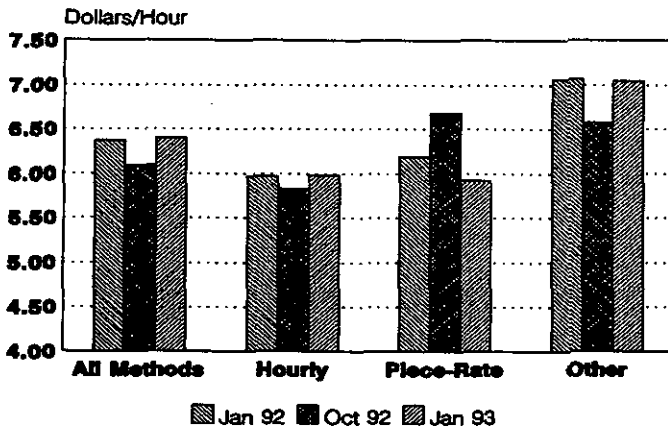
Benefits, such as housing and meals, were provided to 45 percent of the hired workers during the survey week, compared to 44 percent in January 1992.

During the survey week of January 10-16, 1993, heavy rains interrupted farm work in the Southwest and the Southeast. Snow hampered farm activities in the upper Midwest and New England. Below normal temperatures dominated much of the West and Great Plains while well-above normal temperatures occurred in the Southwest and East. Supplemental feeding of livestock increased in the Great Plains in response to the snow and cold weather. Row crop harvest advanced little, if any, in the Central and Northern Great Plains and the upper Midwest. Soybean harvest and tobacco seedbed preparation were hindered by wet conditions in the Southeast. Cotton harvest advanced across the South as weather permitted. Harvest was at a standstill in Oklahoma due to wet field conditions. Wet conditions slowed fruit and vegetable harvests in Arizona and California. In California's Fresno area, producers pumped water out of flooded orchards and vineyards. Elsewhere in California, standing water brought the citrus harvest to a virtual standstill, with the navel orange crop nearly inaccessible. Florida's citrus harvest was near peak levels.

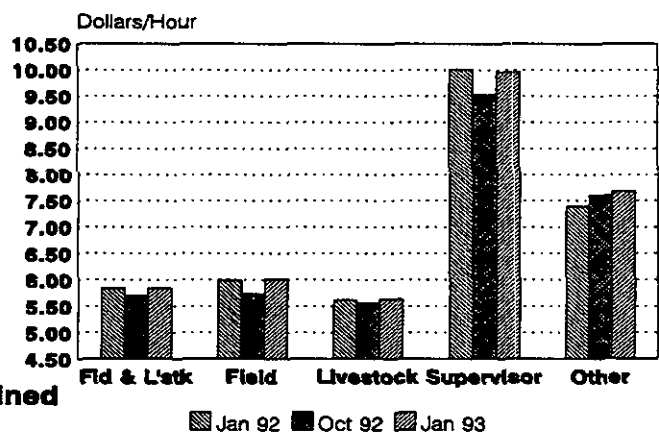
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For information call Tom Kurtz at (202) 690-3228. Office hours are 8:00 a.m. to 4:30 p.m. ET.

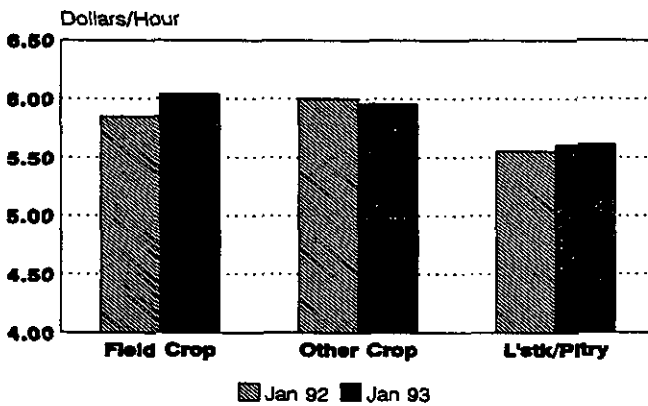
### U.S. Wage Rates by Method of Pay



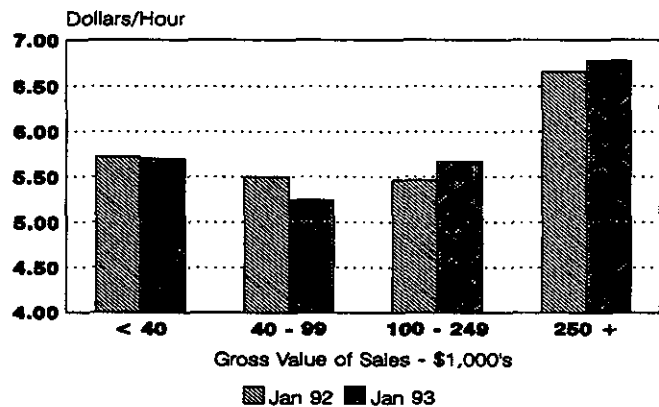
### U.S. Wage Rates by Type of Worker



### Wage Rate of Field & L'stk Wkrs Combined By Type of Farm



### Wage Rates of All Hired Workers by Economic Class of Farm



Farm Labor: Employment, Wage Rates, and Indexes, United States,  
January 10-16, 1993, with Comparisons 1/

| Farm Employment                                   | : January 12-18,<br>: 1992 | : October 11-17,<br>: 1992 | : January 10-16,<br>: 1993 |
|---|----------------------------|----------------------------|----------------------------|
|   |                            | 1,000                      |                            |
| Farm Workers                                      | 2,449                      | 2,950                      | 2,348                      |
| Self-Employed                                     | 1,425                      | 1,574                      | 1,424                      |
| Unpaid  | 321                        | 484                        | 313                        |
| Hired   | 703                        | 892                        | 611                        |
| Expected to be Employed                           |                            |                            |                            |
| 150 Days or More                                  | 558                        | 600                        | 491                        |
| 149 Days or Less                                  | 145                        | 292                        | 120                        |
| Agricultural Services<br>Workers Working on Farms | 123                        | 295                        | 157                        |
| Total Farm & Service Workers                      | 2,572                      | 3,245                      | 2,505                      |
| Index - 1977=100                                  |                            |                            |                            |
| All Farm Workers                                  | 77                         | 70                         | 72                         |
| Hired Workers                                     | 84                         | 65                         | 73                         |
|   |                            | Dollars per Hour           |                            |
| Wage Rates for                                    |                            |                            |                            |
| All Hired Workers <u>2/</u> <u>3/</u>             | 6.37                       | 6.09                       | 6.40                       |
| Method of Pay                                     |                            |                            |                            |
| Hourly  | 5.97                       | 5.83                       | 5.99                       |
| Piece-Rate  | 6.19                       | 6.69                       | 5.93                       |
| Other   | 7.07                       | 6.57                       | 7.05                       |
| Type of Worker                                    |                            |                            |                            |
| Field & Livestock Combined                        | 5.85                       | 5.70                       | 5.85                       |
| Field   | 5.99                       | 5.74                       | 6.02                       |
| Livestock   | 5.62                       | 5.57                       | 5.64                       |
| Supervisory                                       | 10.01                      | 9.53                       | 9.97                       |
| Other   | 7.39                       | 7.61                       | 7.68                       |
| Index - 1977=100                                  |                            |                            |                            |
| All Hired Workers                                 | 216                        | 201                        | 217                        |

1/ Excludes AK.

2/ Benefits, such as housing and meals, are provided some workers but the values are not included in the wage rates.

3/ Excludes Agricultural Service Workers.

Workers on Farms: Number by Region, State, and United States,  
January 10-16, 1993 <sup>1/</sup>

| State and Region <sup>2/</sup> | All Farm Workers | Self-Employed <sup>3/</sup> | Unpaid <sup>3/</sup> | Hired             |  |                                |
|--------------------------------|------------------|-----------------------------|----------------------|-------------------|--|--------------------------------|
|                                |                  |                             |                      | Number of Workers | Expected to be Employed 150 Days or More <sup>3/</sup> | 149 Days or Less <sup>3/</sup> |
|                                |                  |                             |                      | 1,000             |  |                                |
| NY                             | 51               |                             |                      | 19                |  |                                |
| Other <sup>4/</sup>            | 36               |                             |                      | 16                |  |                                |
| Northeast I                    | 87               | 41                          | 11                   | 35                | 31   | 4                              |
| PA                             | 84               |                             |                      | 20                |  |                                |
| Other <sup>4/</sup>            | 29               |                             |                      | 8                 |  |                                |
| Northeast II                   | 113              | 59                          | 26                   | 28                | 23   | 5                              |
| NC                             | 51               |                             |                      | 13                |  |                                |
| VA                             | 44               |                             |                      | 12                |  |                                |
| Appalachian I                  | 95               | 65                          | 5                    | 25                | 19   | 6                              |
| Appalachian II                 | 176              | 134                         | 13                   | 29                | 22   | 7                              |
| Southeast                      | 125              | 80                          | 12                   | 33                | 23   | 10                             |
| FL                             | 85               | 25                          | 6                    | 54                | 45   | 9                              |
| MI                             | 59               |                             |                      | 14                |  |                                |
| MN                             | 94               |                             |                      | 10                |  |                                |
| WI                             | 120              |                             |                      | 21                |  |                                |
| Lake                           | 273              | 165                         | 63                   | 45                | 37   | 8                              |
| Cornbelt I                     | 226              | 159                         | 28                   | 39                | 34   | 5                              |
| Cornbelt II                    | 199              | 151                         | 28                   | 20                | 17   | 3                              |
| Delta                          | 107              | 70                          | 13                   | 24                | 19   | 5                              |
| Northern Plains                | 191              | 138                         | 30                   | 23                | 19   | 4                              |
| OK                             | 80               |                             |                      | 9                 |  |                                |
| TX                             | 181              |                             |                      | 45                |  |                                |
| Southern Plains                | 261              | 182                         | 25                   | 54                | 44   | 10                             |
| Mountain I                     | 57               | 33                          | 7                    | 17                | 16   | 1                              |
| Mountain II                    | 42               | 21                          | 8                    | 13                | 12   | 1                              |
| AZ                             | 21               |                             |                      | 7                 |  |                                |
| NM                             | 24               |                             |                      | 6                 |  |                                |
| Mountain III                   | 45               | 9                           | 23                   | 13                | 12   | 1                              |
| OR                             | 39               |                             |                      | 12                |  |                                |
| WA                             | 49               |                             |                      | 18                |  |                                |
| Pacific                        | 88               | 48                          | 10                   | 30                | 26   | 4                              |
| CA                             | 165              | 41                          | 4                    | 120               | 84   | 36                             |
| HI                             | 13               | 3                           | 1                    | 9                 | 8  | 1                              |
| US <sup>5/</sup>               | 2,348            | 1,424                       | 313                  | 611               | 491  | 120                            |

- <sup>1/</sup> Excludes Agricultural Service Workers.  
<sup>2/</sup> Region map on page 17.  
<sup>3/</sup> Published at regional and U.S. level only.  
<sup>4/</sup> Other States in the same region.  
<sup>5/</sup> Excludes AK.

Workers on Farms: Hours Worked and Wage Rates for All Hired Workers,  
by Region, State, and United States, January 10-16, 1993 1/

| State<br>and<br>Region <u>2/</u> | Hours Worked                |                  |       | Wage Rates for<br>All Hired Workers |
|----------------------------------|-----------------------------|------------------|-------|-------------------------------------|
|                                  | Self-<br>Employed <u>3/</u> | Unpaid <u>3/</u> | Hired |                                     |
|                                  | ----- Hours per Week -----  |                  |       | Dollars per Hour                    |
| NY                               |                             |                  | 39.5  | 6.51                                |
| Other <u>4/</u>                  |                             |                  | 38.9  | 8.25                                |
| Northeast I                      | 41.0                        | 33.3             | 39.2  | 7.29                                |
| PA                               |                             |                  | 39.0  | 5.55                                |
| Other <u>4/</u>                  |                             |                  | 43.5  | 6.59                                |
| Northeast II                     | 40.8                        | 33.9             | 40.3  | 5.92                                |
| NC                               |                             |                  | 35.2  | 6.15                                |
| VA                               |                             |                  | 38.0  | 6.00                                |
| Appalachian I                    | 23.4                        | 33.2             | 36.5  | 6.07                                |
| Appalachian II                   | 19.6                        | 31.4             | 35.3  | 5.57                                |
| Southeast                        | 23.5                        | 28.7             | 32.9  | 5.63                                |
| FL                               | 21.0                        | 31.0             | 38.0  | 6.25                                |
| MI                               |                             |                  | 38.2  | 6.90                                |
| MN                               |                             |                  | 42.6  | 6.16                                |
| WI                               |                             |                  | 40.0  | 5.60                                |
| Lake                             | 38.2                        | 34.9             | 40.0  | 6.09                                |
| Cornbelt I                       | 27.5                        | 33.6             | 39.0  | 6.71                                |
| Cornbelt II                      | 33.7                        | 31.2             | 34.1  | 6.40                                |
| Delta                            | 22.7                        | 28.5             | 32.6  | 5.87                                |
| Northern Plains                  | 35.4                        | 33.3             | 39.4  | 6.76                                |
| OK                               |                             |                  | 33.0  | 5.70                                |
| TX                               |                             |                  | 40.3  | 5.56                                |
| Southern Plains                  | 24.5                        | 34.0             | 39.1  | 5.58                                |
| Mountain I                       | 35.4                        | 28.6             | 42.8  | 6.46                                |
| Mountain II                      | 35.6                        | 31.4             | 43.8  | 6.12                                |
| AZ                               |                             |                  | 42.0  | 6.38                                |
| NM                               |                             |                  | 43.4  | 6.37                                |
| Mountain III                     | 27.3                        | 31.5             | 42.6  | 6.37                                |
| OR                               |                             |                  | 35.6  | 7.25                                |
| WA                               |                             |                  | 36.0  | 7.33                                |
| Pacific                          | 20.3                        | 29.3             | 35.8  | 7.29                                |
| CA                               | 27.3                        | 30.0             | 36.5  | 6.71                                |
| HI                               | 28.9                        | 33.1             | 38.2  | 9.44                                |
| US <u>5/</u>                     | 29.3                        | 32.6             | 37.7  | 6.40                                |

- 1/ Excludes Agricultural Service Workers.  
2/ Region map on page 17.  
3/ Published at regional and U.S. level only.  
4/ Other States in the same region.  
5/ Excludes AK.

Hired Workers: Wage Rates by Region, State, and United States,  
January 10-16, 1993 1/

| State<br>and<br>Region <u>2/</u> | Type of Worker <u>5/</u> |           |                      |                  |           | Method of Pay <u>6/</u> |               |       |
|----------------------------------|--------------------------|-----------|----------------------|------------------|-----------|-------------------------|---------------|-------|
|                                  | Field                    | Livestock | Field &<br>Livestock | Super-<br>visory | Other     | Hourly                  | Piece<br>Rate | Other |
| Dollars per Hour                 |                          |           |                      |                  |           |                         |               |       |
| NY                               | 6.55                     |           | 5.87                 |                  |           | 6.37                    |               |       |
| Other <u>4/</u>                  | 8.00                     |           | 6.80                 |                  |           | 7.80                    |               |       |
| Northeast I                      | 7.24                     | 5.59      | 6.25                 | 11.82            | 8.56      | 6.97                    | <u>3/</u>     | 7.64  |
| PA                               | 6.24                     |           | 5.28                 |                  |           | 5.80                    |               |       |
| Other <u>4/</u>                  | 5.91                     |           | 5.89                 |                  |           | 6.37                    |               |       |
| Northeast II                     | 6.13                     | 5.17      | 5.48                 | 9.41             | 8.30      | 5.98                    | <u>3/</u>     | 5.89  |
| NC                               | 5.70                     |           | 5.75                 |                  |           | 5.76                    |               |       |
| VA                               | 5.60                     |           | 5.66                 |                  |           | 5.80                    |               |       |
| Appalachian I                    | 5.66                     | 5.75      | 5.71                 | 9.02             | <u>3/</u> | 5.78                    | <u>3/</u>     | 6.77  |
| Appalachian II                   | 5.64                     | 5.01      | 5.26                 | 8.20             | <u>3/</u> | 5.22                    | <u>3/</u>     | 6.61  |
| Southeast                        | 5.59                     | 4.77      | 5.23                 | <u>3/</u>        | 6.52      | 5.23                    | 5.55          | 6.27  |
| FL                               | 5.59                     | 6.30      | 5.65                 | 10.90            | 8.95      | 5.63                    | 5.76          | 9.30  |
| MI                               | 6.59                     |           | 6.76                 |                  |           | 6.85                    |               |       |
| MN                               | 7.15                     |           | 5.57                 |                  |           | 7.56                    |               |       |
| WI                               | 6.80                     |           | 5.38                 |                  |           | 5.50                    |               |       |
| Lake                             | 6.76                     | 5.32      | 5.83                 | 7.67             | 7.08      | 6.40                    | <u>3/</u>     | 5.83  |
| Cornbelt I                       | 6.87                     | 5.75      | 6.23                 | 9.83             | 8.05      | 6.55                    | <u>3/</u>     | 6.92  |
| Cornbelt II                      | 6.15                     | 5.96      | 6.03                 | <u>3/</u>        | <u>3/</u> | 5.89                    | <u>3/</u>     | 6.94  |
| Delta                            | 5.66                     | 5.21      | 5.46                 | 8.86             | 6.01      | 5.62                    | <u>3/</u>     | 6.36  |
| Northern Plains                  | 6.90                     | 6.24      | 6.43                 | <u>3/</u>        | 7.48      | 6.19                    | <u>3/</u>     | 7.11  |
| OK                               | 5.60                     |           | 5.46                 |                  |           | 5.95                    |               |       |
| TX                               | 5.05                     |           | 4.98                 |                  |           | 4.99                    |               |       |
| Southern Plains                  | 5.14                     | 4.99      | 5.06                 | 8.99             | 5.73      | 5.16                    | 6.05          | 5.98  |
| Mountain I                       | 6.86                     | 5.95      | 6.16                 | 7.79             | 5.98      | 6.09                    | <u>3/</u>     | 6.55  |
| Mountain II                      | 6.40                     | 5.43      | 5.72                 | 7.14             | 7.54      | 6.20                    | <u>3/</u>     | 6.13  |
| AZ                               | 5.10                     |           | 5.37                 |                  |           | 5.30                    |               |       |
| NM                               | 5.53                     |           | 5.98                 |                  |           | 6.15                    |               |       |
| Mountain III                     | 5.32                     | 6.48      | 5.73                 | 10.15            | 7.95      | 5.77                    | <u>3/</u>     | 7.60  |
| OR                               | 6.59                     |           | 6.48                 |                  |           | 6.85                    |               |       |
| WA                               | 6.22                     |           | 6.52                 |                  |           | 6.40                    |               |       |
| Pacific                          | 6.37                     | 6.72      | 6.50                 | 10.59            | 9.21      | 6.61                    | 7.00          | 8.97  |
| CA                               | 5.89                     | 6.50      | 6.04                 | 11.74            | 8.86      | 6.03                    | 5.90          | 8.95  |
| HI                               | 8.32                     | <u>3/</u> | 8.26                 | <u>3/</u>        | <u>3/</u> | 8.50                    | <u>3/</u>     | 12.97 |
| US <u>7/</u>                     | 6.02                     | 5.64      | 5.85                 | 9.97             | 7.68      | 5.99                    | 5.93          | 7.05  |

1/ Excludes Agricultural Service Workers. 2/ Region map on page 17.  
3/ Insufficient data. 4/ Other States in the same region. 5/ Livestock,  
Supervisory, and Other published at regional and U. S. level only. 6/ Piece  
Rate and Other published at regional and U. S. level only 7/ Excludes AK.

Workers on Farms: Number by Region, State, and United States,  
October 11-17, 1992 1/

| State and Region <u>2/</u> | All Farm Workers | Self-Employed <u>3/</u> | Unpaid <u>3/</u> | Hired             |                            |                            |
|----------------------------|------------------|-------------------------|------------------|-------------------|----------------------------|----------------------------|
|                            |                  |                         |                  | Number of Workers | Expected to be Employed    |                            |
|                            |                  |                         |                  |                   | 150 Days or More <u>3/</u> | 149 Days or Less <u>3/</u> |
|                            |                  |                         |                  | 1,000             |                            |                            |
| NY                         | 66               |                         |                  | 27                |                            |                            |
| Other <u>4/</u>            | 50               |                         |                  | 25                |                            |                            |
| Northeast I                | 116              | 49                      | 15               | 52                | 35                         | 17                         |
| PA                         | 101              |                         |                  | 30                |                            |                            |
| Other <u>4/</u>            | 48               |                         |                  | 17                |                            |                            |
| Northeast II               | 149              | 71                      | 31               | 47                | 32                         | 15                         |
| NC                         | 65               |                         |                  | 22                |                            |                            |
| VA                         | 51               |                         |                  | 19                |                            |                            |
| Appalachian I              | 116              | 65                      | 10               | 41                | 25                         | 16                         |
| Appalachian II             | 218              | 140                     | 29               | 49                | 28                         | 21                         |
| Southeast                  | 146              | 88                      | 16               | 42                | 29                         | 13                         |
| FL                         | 81               | 24                      | 3                | 54                | 48                         | 6                          |
| MI                         | 90               |                         |                  | 32                |                            |                            |
| MN                         | 137              |                         |                  | 25                |                            |                            |
| WI                         | 129              |                         |                  | 32                |                            |                            |
| Lake                       | 356              | 180                     | 87               | 89                | 44                         | 45                         |
| Cornbelt I                 | 306              | 179                     | 70               | 57                | 38                         | 19                         |
| Cornbelt II                | 260              | 164                     | 59               | 37                | 28                         | 9                          |
| Delta                      | 148              | 79                      | 18               | 51                | 34                         | 17                         |
| Northern Plains:           | 245              | 160                     | 48               | 37                | 24                         | 13                         |
| OK                         | 85               |                         |                  | 15                |                            |                            |
| TX                         | 197              |                         |                  | 45                |                            |                            |
| Southern Plains:           | 282              | 192                     | 30               | 60                | 37                         | 23                         |
| Mountain I                 | 66               | 37                      | 10               | 19                | 14                         | 5                          |
| Mountain II                | 57               | 29                      | 9                | 19                | 15                         | 4                          |
| AZ                         | 29               |                         |                  | 12                |                            |                            |
| NM                         | 28               |                         |                  | 6                 |                            |                            |
| Mountain III               | 57               | 13                      | 26               | 18                | 12                         | 6                          |
| OR                         | 54               |                         |                  | 20                |                            |                            |
| WA                         | 60               |                         |                  | 30                |                            |                            |
| Pacific                    | 114              | 51                      | 13               | 50                | 30                         | 20                         |
| CA                         | 220              | 50                      | 9                | 161               | 119                        | 42                         |
| HI                         | 13               | 3                       | 1                | 9                 | 8                          | 1                          |
| US <u>5/</u>               | 2,950            | 1,574                   | 484              | 892               | 600                        | 292                        |

1/ Excludes Agricultural Service Workers. 2/ Region map on page 17.  
3/ Published at regional and U.S. level only. 4/ Other States in the same region. 5/ Excludes AK.

Workers on Farms: Hours Worked and Wage Rates for All Hired Workers,  
by Region, State, and United States, October 11-17, 1992 1/

| State<br>and<br>Region <u>2/</u> | Hours Worked                |                  |       | Wage Rates for<br>All Hired Workers |
|----------------------------------|-----------------------------|------------------|-------|-------------------------------------|
|                                  | Self-<br>Employed <u>3/</u> | Unpaid <u>3/</u> | Hired |                                     |
|                                  | ----- Hours per Week -----  |                  |       | Dollars per Hour                    |
| NY                               |                             |                  | 43.4  | 5.82                                |
| Other <u>4/</u><br>Northeast I   | 41.9                        | 36.0             | 38.5  | 7.45                                |
|                                  |                             |                  | 41.0  | 6.56                                |
| PA                               |                             |                  | 41.2  | 5.92                                |
| Other <u>4/</u><br>Northeast II  | 45.0                        | 39.3             | 40.2  | 6.53                                |
|                                  |                             |                  | 40.8  | 6.13                                |
| NC                               |                             |                  | 37.6  | 5.77                                |
| VA                               |                             |                  | 39.0  | 5.61                                |
| Appalachian I                    | 34.4                        | 33.8             | 38.2  | 5.70                                |
| Appalachian II                   | 26.0                        | 32.3             | 31.1  | 5.43                                |
| Southeast                        | 27.6                        | 25.5             | 34.0  | 5.64                                |
| FL                               | 24.0                        | 34.0             | 36.0  | 6.37                                |
| MI                               |                             |                  | 38.9  | 6.42                                |
| MN                               |                             |                  | 44.8  | 6.76                                |
| WI                               |                             |                  | 39.0  | 5.62                                |
| Lake                             | 51.2                        | 43.5             | 40.6  | 6.25                                |
| Cornbelt I                       | 42.8                        | 38.3             | 39.8  | 5.70                                |
| Cornbelt II                      | 49.8                        | 42.1             | 42.0  | 6.12                                |
| Delta                            | 37.8                        | 34.4             | 48.4  | 5.01                                |
| Northern Plains:                 | 51.4                        | 41.0             | 49.9  | 6.37                                |
| OK                               |                             |                  | 38.0  | 5.30                                |
| TX                               |                             |                  | 42.7  | 5.38                                |
| Southern Plains:                 | 29.2                        | 35.0             | 41.5  | 5.36                                |
| Mountain I                       | 40.0                        | 38.4             | 50.9  | 5.38                                |
| Mountain II                      | 34.6                        | 35.4             | 49.8  | 5.58                                |
| AZ                               |                             |                  | 52.0  | 5.41                                |
| NM                               |                             |                  | 41.1  | 5.92                                |
| Mountain III                     | 38.0                        | 36.8             | 48.4  | 5.55                                |
| OR                               |                             |                  | 42.3  | 6.84                                |
| WA                               |                             |                  | 43.0  | 7.10                                |
| Pacific                          | 29.8                        | 32.6             | 42.7  | 7.00                                |
| CA                               | 35.4                        | 31.9             | 42.8  | 6.63                                |
| HI                               | 28.7                        | 30.2             | 37.5  | 8.99                                |
| US <u>5/</u>                     | 39.6                        | 38.3             | 41.4  | 6.09                                |

- 1/ Excludes Agricultural Service Workers.  
2/ Region map on page 17.  
3/ Published at regional and U.S. level only.  
4/ Other States in the same region.  
5/ Excludes AK.



Hired Workers: Wage Rates by Region, State, and United States,  
October 11-17, 1992 1/

| State<br>and<br>Region <u>2/</u> | Type of Worker <u>5/</u> |           |                   |                  |           | Method of Pay <u>6/</u> |               |       |
|----------------------------------|--------------------------|-----------|-------------------|------------------|-----------|-------------------------|---------------|-------|
|                                  | Field                    | Livestock | Field & Livestock | Super-<br>visory | Other     | Hourly                  | Piece<br>Rate | Other |
| Dollars per Hour                 |                          |           |                   |                  |           |                         |               |       |
| NY                               | 5.66                     |           | 5.53              |                  |           | 5.91                    |               |       |
| Other <u>4/</u>                  | 6.80                     |           | 6.53              |                  |           | 6.90                    |               |       |
| Northeast I                      | 6.20                     | 5.38      | 5.93              | 10.29            | 7.08      | 6.36                    | 6.73          | 6.91  |
| PA                               | 5.80                     |           | 5.55              |                  |           | 6.00                    |               |       |
| Other <u>4/</u>                  | 5.96                     |           | 5.83              |                  |           | 6.15                    |               |       |
| Northeast II                     | 5.84                     | 5.20      | 5.64              | 9.26             | 8.18      | 6.05                    | 6.08          | 6.23  |
| NC                               | 5.50                     |           | 5.57              |                  |           | 5.28                    |               |       |
| VA                               | 5.20                     |           | 5.30              |                  |           | 5.40                    |               |       |
| Appalachian I                    | 5.37                     | 5.72      | 5.46              | 8.12             | 7.05      | 5.33                    | 6.24          | 6.52  |
| Appalachian II                   | 4.93                     | 5.09      | 4.99              | 8.40             | <u>3/</u> | 5.10                    | <u>3/</u>     | 6.75  |
| Southeast                        | 5.08                     | 5.38      | 5.16              | 10.93            | 6.58      | 5.66                    | <u>3/</u>     | 5.65  |
| FL                               | 5.74                     | 6.55      | 5.84              | 10.30            | <u>3/</u> | 5.76                    | 5.75          | 9.60  |
| MI                               | 6.40                     |           | 6.32              |                  |           | 6.22                    |               |       |
| MN                               | 6.44                     |           | 6.42              |                  |           | 6.46                    |               |       |
| WI                               | 5.50                     |           | 4.73              |                  |           | 6.53                    |               |       |
| Lake                             | 6.26                     | 4.88      | 5.82              | 9.68             | 7.09      | 6.40                    | 6.88          | 5.66  |
| Cornbelt I                       | 5.52                     | 5.43      | 5.50              | 7.13             | 7.20      | 5.62                    | <u>3/</u>     | 5.87  |
| Cornbelt II                      | 5.56                     | 6.04      | 5.74              | 10.70            | 5.71      | 5.94                    | <u>3/</u>     | 6.55  |
| Delta                            | 4.76                     | 5.43      | 4.86              | <u>3/</u>        | 6.90      | 5.06                    | <u>3/</u>     | 4.89  |
| Northern Plains                  | 6.28                     | 6.03      | 6.22              | 8.72             | <u>3/</u> | 6.40                    | <u>3/</u>     | 6.35  |
| OK                               | 5.05                     |           | 5.08              |                  |           | 5.20                    |               |       |
| TX                               | 4.99                     |           | 5.08              |                  |           | 5.10                    |               |       |
| Southern Plains                  | 5.01                     | 5.20      | 5.08              | 8.42             | 6.68      | 5.13                    | <u>3/</u>     | 5.67  |
| Mountain I                       | 5.38                     | 5.10      | 5.27              | <u>3/</u>        | <u>3/</u> | 5.21                    | <u>3/</u>     | 5.51  |
| Mountain II                      | 5.36                     | 5.34      | 5.35              | 7.20             | <u>3/</u> | 5.37                    | <u>3/</u>     | 5.77  |
| AZ                               | 4.80                     |           | 4.95              |                  |           | 5.10                    |               |       |
| NM                               | 5.42                     |           | 5.35              |                  |           | 5.42                    |               |       |
| Mountain III                     | 4.95                     | 5.34      | 5.06              | <u>3/</u>        | <u>3/</u> | 5.18                    | <u>3/</u>     | 6.79  |
| OR                               | 6.50                     |           | 6.54              |                  |           | 6.57                    |               |       |
| WA                               | 6.66                     |           | 6.74              |                  |           | 6.71                    |               |       |
| Pacific                          | 6.60                     | 6.95      | 6.66              | 10.18            | <u>3/</u> | 6.65                    | <u>3/</u>     | 8.51  |
| CA                               | 6.02                     | 6.60      | 6.10              | 10.96            | 9.56      | 5.91                    | 7.64          | 8.80  |
| HI                               | 8.09                     | <u>3/</u> | 8.06              | <u>3/</u>        | <u>3/</u> | 8.05                    | <u>3/</u>     | 12.21 |
| US <u>7/</u>                     | 5.74                     | 5.57      | 5.70              | 9.53             | 7.61      | 5.83                    | 6.69          | 6.57  |

1/ Excludes Agricultural Service Workers. 2/ Region map on page 17.

3/ Insufficient data. 4/ Other States in the same region. 5/ Livestock, Supervisory, and Other published at regional and U. S. level only. 6/ Piece Rate and Other published at regional and U. S. level only 7/ Excludes AK.

Workers on Farms: Number by Region, State, and United States,  
January 12-18, 1992 1/

| State and Region <u>2/</u>   | All Farm Workers <u>3/</u> | Self-Employed <u>3/</u> | Unpaid <u>3/</u> | Hired             |  |                            |
|------------------------------|----------------------------|-------------------------|------------------|-------------------|--|----------------------------|
|                              |                            |                         |                  | Number of Workers | Expected to be Employed 150 Days or More <u>3/</u> | 149 Days or Less <u>3/</u> |
|                              |                            |                         |                  | 1,000             |  |                            |
| NY                           |                            |                         |                  | 19                |  |                            |
| Other <u>4/</u> Northeast I  | 88                         | 41                      | 11               | 17                | 32   | 4                          |
| PA                           |                            |                         |                  | 23                |  |                            |
| Other <u>4/</u> Northeast II | 113                        | 57                      | 22               | 11                | 28   | 6                          |
| NC                           |                            |                         |                  | 18                |  |                            |
| VA                           |                            |                         |                  | 9                 |  |                            |
| Appalachian I                | 111                        | 74                      | 10               | 27                | 18   | 9                          |
| Appalachian II               | 169                        | 126                     | 17               | 26                | 21   | 5                          |
| Southeast                    | 121                        | 69                      | 15               | 37                | 33   | 4                          |
| FL                           | 114                        | 32                      | 4                | 78                | 50   | 28                         |
| MI                           |                            |                         |                  | 15                |  |                            |
| MN                           |                            |                         |                  | 14                |  |                            |
| WI                           |                            |                         |                  | 19                |  |                            |
| Lake                         | 257                        | 156                     | 53               | 48                | 42   | 6                          |
| Cornbelt I                   | 243                        | 167                     | 40               | 36                | 30   | 6                          |
| Cornbelt II                  | 194                        | 146                     | 26               | 22                | 18   | 4                          |
| Delta                        | 98                         | 65                      | 11               | 22                | 18   | 4                          |
| Northern Plains:             | 189                        | 131                     | 27               | 31                | 27   | 4                          |
| OK                           |                            |                         |                  | 7                 |  |                            |
| TX                           |                            |                         |                  | 47                |  |                            |
| Southern Plains:             | 256                        | 173                     | 29               | 54                | 43   | 11                         |
| Mountain I                   | 67                         | 40                      | 9                | 18                | 17   | 1                          |
| Mountain II                  | 50                         | 28                      | 6                | 16                | 15   | 1                          |
| AZ                           |                            |                         |                  | 15                |  |                            |
| NM                           |                            |                         |                  | 5                 |  |                            |
| Mountain III                 | 55                         | 13                      | 22               | 20                | 17   | 3                          |
| OR                           |                            |                         |                  | 14                |  |                            |
| WA                           |                            |                         |                  | 24                |  |                            |
| Pacific                      | 110                        | 62                      | 10               | 38                | 27   | 11                         |
| CA                           | 200                        | 42                      | 8                | 150               | 113  | 37                         |
| HI                           | 14                         | 3                       | 1                | 10                | 9  | 1                          |
| US <u>5/</u>                 | 2,449                      | 1,425                   | 321              | 703               | 558  | 145                        |

1/ Excludes Agricultural Service Workers. 2/ Region map on page 17.  
3/ Published at regional and U.S. level only. 4/ Other States in the same region. 5/ Excludes AK.

Workers on Farms: Hours Worked and Wage Rates for All Hired Workers,  
by Region, State, and United States, January 12-18, 1992 1/

| State<br>and<br>Region <u>2/</u> | Hours Worked <u>3/</u> |        |       | Wage Rates for<br>All Hired Workers |
|----------------------------------|------------------------|--------|-------|-------------------------------------|
|                                  | Self-<br>Employed      | Unpaid | Hired |                                     |
|                                  | --- Hours per Week --- |        |       | Dollars per Hour                    |
| NY                               |                        |        |       | 5.52                                |
| Other <u>4/</u><br>Northeast I   | 43.6                   | 40.2   | 40.6  | 7.49<br>6.46                        |
| PA                               |                        |        |       | 5.66                                |
| Other <u>4/</u><br>Northeast II  | 37.5                   | 34.0   | 39.3  | 7.72<br>6.49                        |
| NC                               |                        |        |       | 6.04                                |
| VA                               |                        |        |       | 5.50                                |
| Appalachian I                    | 23.9                   | 27.7   | 33.4  | 5.84                                |
| Appalachian II                   | 19.4                   | 31.0   | 36.9  | 5.70                                |
| Southeast                        | 27.4                   | 30.9   | 36.9  | 6.08                                |
| FL                               | 22.5                   | 33.0   | 36.0  | 6.29                                |
| MI                               |                        |        |       | 6.26                                |
| MN                               |                        |        |       | 6.14                                |
| WI                               |                        |        |       | 5.04                                |
| Lake                             | 39.7                   | 38.5   | 37.4  | 5.75                                |
| Cornbelt I                       | 26.0                   | 27.0   | 36.5  | 6.60                                |
| Cornbelt II                      | 35.0                   | 31.3   | 37.9  | 6.24                                |
| Delta                            | 24.9                   | 32.6   | 32.7  | 5.74                                |
| Northern Plains:                 | 37.4                   | 33.4   | 38.7  | 6.15                                |
| OK                               |                        |        |       | 5.37                                |
| TX                               |                        |        |       | 5.30                                |
| Southern Plains:                 | 24.9                   | 31.0   | 38.4  | 5.31                                |
| Mountain I                       | 31.9                   | 28.3   | 42.5  | 5.92                                |
| Mountain II                      | 30.1                   | 30.9   | 41.3  | 6.20                                |
| AZ                               |                        |        |       | 6.40                                |
| NM                               |                        |        |       | 5.77                                |
| Mountain III                     | 32.0                   | 34.2   | 41.5  | 6.30                                |
| OR                               |                        |        |       | 6.82                                |
| WA                               |                        |        |       | 7.15                                |
| Pacific                          | 23.0                   | 27.6   | 35.8  | 7.02                                |
| CA                               | 30.3                   | 30.0   | 41.8  | 6.95                                |
| HI                               | 28.5                   | 28.4   | 37.8  | 9.20                                |
| US <u>5/</u>                     | 29.8                   | 32.5   | 38.5  | 6.37                                |

- 1/ Excludes Agricultural Service Workers.  
2/ Region map on page 17.  
3/ Published at regional and U.S. level only.  
4/ Other States in the same region.  
5/ Excludes AK.

Hired Workers: Wage Rates by Region, State, and United States,  
January 12-18, 1992 1/

| State<br>and<br>Region <u>2/</u> | Type of Worker |           |                   |                  |           |        | Method of Pay |       |
|----------------------------------|----------------|-----------|-------------------|------------------|-----------|--------|---------------|-------|
|                                  | Field          | Livestock | Field & Livestock | Super-<br>visory | Other     | Hourly | Piece<br>Rate | Other |
| Dollars per Hour                 |                |           |                   |                  |           |        |               |       |
| Northeast I                      | 6.85           | 5.00      | 5.72              | 10.46            | 8.97      | 6.36   | <u>3/</u>     | 6.58  |
| Northeast II                     | 6.36           | 5.22      | 5.71              | 11.31            | 6.57      | 6.39   | <u>3/</u>     | 6.55  |
| Appalachian I                    | 5.38           | 5.52      | 5.44              | 9.07             | <u>3/</u> | 5.46   | <u>3/</u>     | 6.62  |
| Appalachian II                   | 5.61           | 5.40      | 5.52              | <u>3/</u>        | <u>3/</u> | 5.67   | <u>3/</u>     | 5.70  |
| Southeast                        | 5.43           | 5.55      | 5.48              | 9.65             | 7.71      | 5.69   | <u>3/</u>     | 6.64  |
| FL                               | 5.87           | 6.00      | 5.88              | 10.65            | 8.15      | 5.93   | 6.00          | 8.50  |
| Lake                             | 5.60           | 4.76      | 5.04              | 9.33             | 7.83      | 5.44   | <u>3/</u>     | 6.18  |
| Cornbelt I                       | 6.87           | 5.69      | 6.31              | 8.29             | 6.59      | 6.43   | <u>3/</u>     | 6.84  |
| Cornbelt II                      | 5.78           | 5.98      | 5.94              | 7.65             | 6.17      | 5.80   | <u>3/</u>     | 6.61  |
| Delta                            | 5.45           | 5.13      | 5.37              | <u>3/</u>        | 5.24      | 5.24   | <u>3/</u>     | 6.35  |
| Northern Plains                  | 5.91           | 5.77      | 5.80              | 7.90             | 6.19      | 5.93   | <u>3/</u>     | 6.31  |
| Southern Plains                  | 4.91           | 4.95      | 4.93              | 7.54             | 6.87      | 5.02   | <u>3/</u>     | 5.51  |
| Mountain I                       | 6.16           | 5.61      | 5.68              | 7.34             | 5.69      | 5.66   | <u>3/</u>     | 5.95  |
| Mountain II                      | 5.55           | 5.57      | 5.57              | 8.85             | <u>3/</u> | 5.17   | <u>3/</u>     | 6.88  |
| Mountain III                     | 5.98           | 5.77      | 5.94              | <u>3/</u>        | 7.94      | 6.14   | 6.13          | 7.11  |
| Pacific                          | 6.28           | 7.63      | 6.58              | 10.74            | 7.62      | 6.26   | 6.83          | 8.82  |
| CA                               | 6.06           | 7.00      | 6.23              | 12.95            | 9.10      | 6.10   | 6.40          | 10.35 |
| HI                               | 8.38           | <u>3/</u> | 8.30              | 14.87            | <u>3/</u> | 8.40   | <u>3/</u>     | 12.62 |
| US <u>4/</u>                     | 5.99           | 5.62      | 5.85              | 10.01            | 7.39      | 5.97   | 6.19          | 7.07  |

1/ Excludes Agricultural Service Workers.

2/ Region map on page 17.

3/ Insufficient data.

4/ Excludes AK.

Field and Livestock Workers Combined: Wage Rates,  
by Type of Farm, by Region and 48 States <sup>1/</sup>

| Region<br><sup>2/</sup> | January 12-18, 1992 |                  |                      |                | January 10-16, 1993 |                  |                      |                |
|-------------------------|---------------------|------------------|----------------------|----------------|---------------------|------------------|----------------------|----------------|
|                         | Field:<br>Crops:    | Other:<br>Crops: | L'stk &:<br>Poultry: | All:<br>Farms: | Field:<br>Crops:    | Other:<br>Crops: | L'stk &:<br>Poultry: | All:<br>Farms: |
|                         | Dollars per Hour    |                  |                      |                |                     |                  |                      |                |
| Northeast               | 5.97                | 7.06             | 4.97                 | 5.72           | 6.29                | 7.28             | 5.32                 | 5.90           |
| Appalachian             | 4.85                | 5.89             | 5.48                 | 5.48           | 4.80                | 6.45             | 5.49                 | 5.46           |
| Southeast               | 5.76                | 5.78             | 5.75                 | 5.77           | 5.60                | 5.68             | 4.86                 | 5.50           |
| Lake                    | 5.64                | 5.74             | 4.68                 | 5.04           | 6.71                | 6.57             | 5.43                 | 5.83           |
| Cornbelt                | 6.07                | 6.79             | 5.99                 | 6.18           | 6.27                | 7.36             | 5.65                 | 6.17           |
| Delta                   | 5.47                | 5.45             | 5.06                 | 5.37           | 5.84                | 5.31             | 5.06                 | 5.46           |
| Northern Plains         | 6.11                | 5.35             | 5.69                 | 5.80           | 7.20                | 5.03             | 6.09                 | 6.43           |
| Southern Plains         | 5.28                | 4.83             | 4.83                 | 4.93           | 5.33                | 5.10             | 4.95                 | 5.06           |
| Mountain                | 5.82                | 6.26             | 5.43                 | 5.77           | 6.62                | 5.33             | 5.77                 | 5.88           |
| Pacific                 | 6.89                | 6.02             | 7.12                 | 6.30           | 6.90                | 5.83             | 6.86                 | 6.12           |
| 48 States               | 5.85                | 6.00             | 5.56                 | 5.81           | 6.04                | 5.96             | 5.61                 | 5.81           |

All Hired Workers: Wage Rates, by Economic Class of Farm,  
by Region and 48 States <sup>1/</sup>

| Region<br><sup>2/</sup> | January 12-18, 1992        |        |          |              | January 10-16, 1993        |        |          |              |      |      |
|-------------------------|----------------------------|--------|----------|--------------|----------------------------|--------|----------|--------------|------|------|
|                         | Gross Value Sales-\$1000's |        |          |              | Gross Value Sales-\$1000's |        |          |              |      |      |
|                         | <40:                       | 40-99: | 100-249: | 250+: Farms: | <40:                       | 40-99: | 100-249: | 250+: Farms: |      |      |
|                         | Dollars per Hour           |        |          |              |                            |        |          |              |      |      |
| N. East                 | 6.81                       | 4.75   | 4.70     | 7.56         | 6.47                       | 6.53   | 5.18     | 5.35         | 7.91 | 6.71 |
| Appal.                  | 4.88                       | 5.53   | 5.27     | 6.34         | 5.77                       | 4.92   | 4.70     | 5.81         | 6.37 | 5.80 |
| S. East                 | 5.82                       | 5.72   | 5.73     | 6.32         | 6.23                       | 4.84   | 4.66     | 6.11         | 6.36 | 6.03 |
| Lake                    | 5.07                       | 4.56   | 5.05     | 6.15         | 5.75                       | 6.07   | 4.15     | 4.54         | 7.30 | 6.09 |
| Cornbelt                | 6.15                       | 6.02   | 5.58     | 7.07         | 6.46                       | 6.85   | 6.14     | 5.73         | 7.00 | 6.62 |
| Delta                   | 5.37                       | 6.02   | 5.60     | 6.06         | 5.74                       | 5.25   | 4.34     | 6.32         | 6.36 | 5.87 |
| N. Plains:              | 5.27                       | 5.84   | 5.97     | 6.29         | 6.15                       | 5.69   | 7.10     | 6.86         | 6.71 | 6.76 |
| S. Plains:              | 4.96                       | 4.99   | 5.17     | 5.53         | 5.31                       | 5.65   | 4.83     | 5.54         | 5.80 | 5.58 |
| Mountain                | 4.52                       | 5.28   | 5.56     | 6.51         | 6.16                       | 4.76   | 6.34     | 5.50         | 6.77 | 6.33 |
| Pacific                 | 6.62                       | 6.41   | 6.22     | 7.08         | 6.96                       | 5.94   | 6.90     | 6.57         | 6.88 | 6.82 |
| 48 States:              | 5.72                       | 5.50   | 5.47     | 6.67         | 6.33                       | 5.70   | 5.25     | 5.67         | 6.79 | 6.35 |

<sup>1/</sup> Excludes Agricultural Service Workers.

<sup>2/</sup> Regions consist of the following States.

Northeast: CT, DE, MD, ME, MA, NH, NJ, NY, PA, RI, VT.

Appalachian: KY, NC, TN, VA, WV.

Southeast: AL, FL, GA, SC.

Lake: MI, MN, WI.

Cornbelt: IA, IL, IN, MO, OH.

Delta: AR, LA, MS.

Northern Plains: KS, NE, ND, SD.

Southern Plains: OK, TX.

Mountain: AZ, CO, ID, MT, NM, NV, UT, WY.

Pacific: CA, OR, WA.

48 States: All States, excluding AK and HI.

Field and Livestock Workers: Distribution  
by Type of Farm, 48 States 1/

| Type of Farm                   | January 12-18,<br>1992                                     | October 11-17,<br>1992 | January 10-16,<br>1993 |
|--------------------------------|--|------------------------|------------------------|
|                                | Percent of Field and Livestock Workers <u>2/</u> <u>3/</u> |                        |                        |
| Field Crops                    | 16   | 26                     | 17                     |
| Other Crops                    | 48   | 41                     | 43                     |
| Livestock, Dairy,<br>& Poultry | 36   | 33                     | 40                     |
|                                | 100.0  | 100.0                  | 100.0                  |

Hired Workers: Distribution  
by Economic Class of Farm, 48 States 1/

| Gross Value of Sales | January 12-18,<br>1992             | October 11-17,<br>1992 | January 10-16,<br>1993 |
|----------------------|------------------------------------|------------------------|------------------------|
|                      | Percent of Hired Workers <u>3/</u> |                        |                        |
| Less than \$40,000   | 9                                  | 10                     | 11                     |
| \$40,000-\$99,999    | 9                                  | 12                     | 9                      |
| \$100,000-\$249,999  | 16                                 | 21                     | 18                     |
| \$250,000 and over   | 66                                 | 57                     | 62                     |
|                      | 100.0                              | 100.0                  | 100.0                  |

1/ 48 States, excluding AK and HI.

2/ Field and Livestock Workers combined.

3/ Excludes Agricultural Service Workers.

Hired Workers: Distribution by Category, United States 1/ 2/

|                           | : January 12-18,<br>: 1992 | : October 11-17,<br>: 1992 | : January 10-16,<br>: 1993 |
|---------------------------|----------------------------|----------------------------|----------------------------|
|                           | Percent of Hired Workers   |                            |                            |
| Employed on Farms Hiring: |                            |                            |                            |
| 1 Worker                  | 14                         | 14                         | 17                         |
| 2 Workers                 | 11                         | 12                         | 11                         |
| 3-6 Workers               | 20                         | 22                         | 23                         |
| 7-10 Workers              | 8                          | 9                          | 9                          |
| At least 11 Workers       | 47                         | 43                         | 40                         |
|                           | 100.0                      | 100.0                      | 100.0                      |
| Payment Method:           |                            |                            |                            |
| Hourly                    | 59                         | 70                         | 60                         |
| Piece-Rate                | 10                         | 7                          | 8                          |
| Other Methods             | 31                         | 23                         | 32                         |
|                           | 100.0                      | 100.0                      | 100.0                      |
| Benefits: <u>3/</u>       |                            |                            |                            |
| Housing and Meals         | 5                          | 5                          | 6                          |
| Housing (no Meals)        | 14                         | 14                         | 15                         |
| Meals (no Housing)        | 3                          | 4                          | 3                          |
| Bonus                     | 6                          | 5                          | 5                          |
| Other Benefits            | 16                         | 11                         | 16                         |
| Wages Only                | 56                         | 61                         | 55                         |
|                           | 100.0                      | 100.0                      | 100.0                      |

1/ Excludes Agricultural Service Workers.

2/ Excludes AK.

3/ Benefits are in priority from highest to lowest. Each worker is counted one time in the highest category, even though benefits in a lower category may be received. Housing and meals is comparable to room and board used in previous reports. Other benefits include transportation, life and health insurance, utilities, etc.

## Agricultural Services

Crew leaders and custom crews provided 157,000 workers for the Nation's farms and ranches during the week of January 10-16, 1993. Service workers in California numbered 50,000 compared with 30,000 during the January 1992 survey week. Florida's number of service workers was 22,000, compared to 13,000 last year.

The average wages received by agricultural service workers in California and Florida were \$6.27 and \$6.23 per hour, respectively. Comparable wages in January 1992 were \$5.75 in California and \$6.38 in Florida.

Agricultural Service Workers: Number, Hours Worked, and Wage Rates,  
for California, Florida, and United States 1/

| Item                               | : Jan 12-18, 1992            |        |         | : Oct 11-17, 1992 |        |         | : Jan 10-16, 1993 |        |         |
|------------------------------------|------------------------------|--------|---------|-------------------|--------|---------|-------------------|--------|---------|
|                                    | : CA                         | : FL   | : US    | : CA              | : FL   | : US    | : CA              | : FL   | : US    |
|                                    | : 1,000                      |        |         |                   |        |         |                   |        |         |
| Number of Workers Working on Farms | : 30.0                       | : 13.0 | : 123.0 | : 80.0            | : 3.6  | : 295.0 | : 50.0            | : 22.0 | : 157.0 |
|                                    | : Hours <u>2/</u>            |        |         |                   |        |         |                   |        |         |
| Hours Worked                       | : 39.7                       | : 29.0 | : -     | : 40.5            | : 31.0 | : -     | : 26.8            | : 36.0 | : -     |
|                                    | : Dollars per Hour <u>2/</u> |        |         |                   |        |         |                   |        |         |
| Wage Rates <u>3/</u>               | : 5.75                       | : 6.38 | : -     | : 6.33            | : 7.09 | : -     | : 6.27            | : 6.23 | : -     |
| Method of Pay                      | :                            |        |         |                   |        |         |                   |        |         |
| Hourly                             | : 5.26                       | : 5.70 | : -     | : 5.40            | : 6.50 | : -     | : 5.50            | : 5.50 | : -     |
| Piece-Rate                         | : 6.56                       | : 6.48 | : -     | : 7.58            | : 6.90 | : -     | : 6.56            | : 6.30 | : -     |
| Type of Work Field                 | : 5.49                       | : 6.10 | : -     | : 6.14            | : 6.49 | : -     | : 5.84            | : 5.95 | : -     |

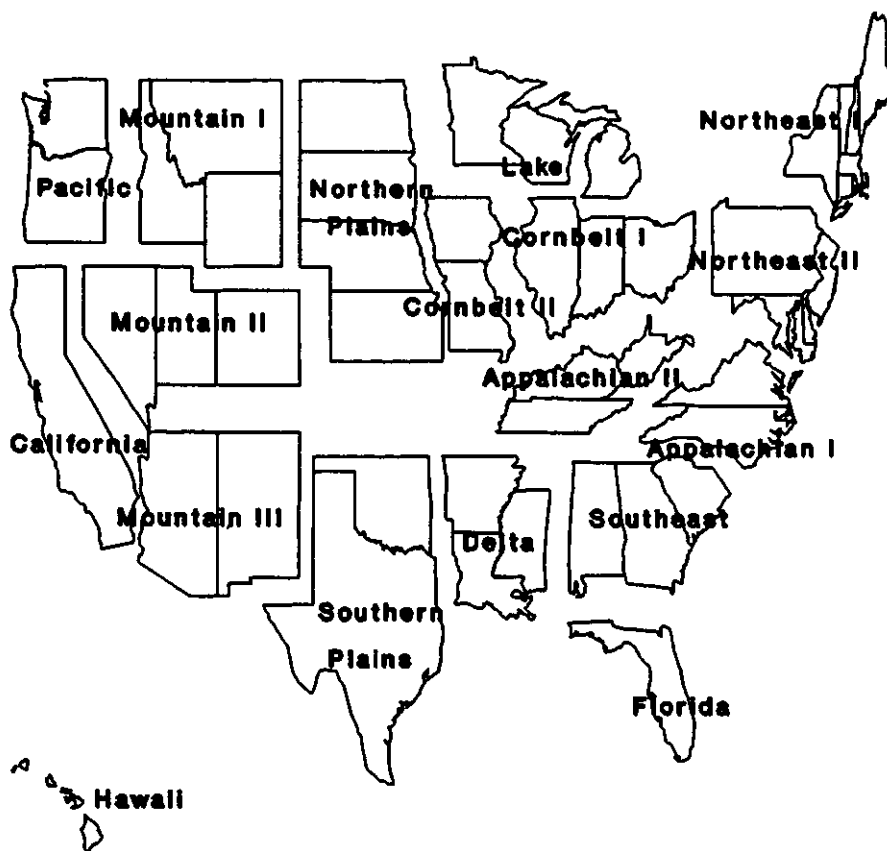
1/ Data are for Agricultural Services performed on the farm by custom service units such as crew leaders or custom crews. These statistics are not included in the State-Regional tables.

2/ United States data not available.

3/ Benefits, such as housing and meals, are provided some workers but the values are not included in the wage rates.



## Farm Labor Regions



| Region          | States                      |
|-----------------|-----------------------------|
| Northeast I     | CT, ME, MA, NH, NY, RI, VT. |
| Northeast II    | DE, MD, NJ, PA.             |
| Appalachian I   | NC, VA.                     |
| Appalachian II  | KY, TN, WV.                 |
| Southeast       | AL, GA, SC.                 |
| Lake            | MI, MN, WI.                 |
| Cornbelt I      | IL, IN, OH.                 |
| Cornbelt II     | IA, MO.                     |
| Delta           | AR, LA, MS.                 |
| Northern Plains | KS, NE, ND, SD.             |
| Southern Plains | OK, TX.                     |
| Mountain I      | ID, MT, WY.                 |
| Mountain II     | CO, NV, UT.                 |
| Mountain III    | AZ, NM.                     |
| Pacific         | OR, WA.                     |

## Reliability of Farm Labor Estimates

**Survey Procedures:** These data were collected by the National Agricultural Statistics Service during the last two weeks of January using sampling procedures to ensure every employer of agricultural workers had a chance of being selected.

Two samples of farm operators are selected. First, NASS maintains a list of farms that hire farm workers. Farms on this list are classified by size and type. Those expected to employ large numbers of workers are selected with greater frequency than those hiring few or no workers. A second sample consists of segments of land scientifically selected from aerial photography. Each June, highly trained interviewers locate each selected land segment and identify every farm operating land within the sample segment's boundaries. The names of farms found in these area segments are matched against the list of farms; those not found on the list are included in the labor survey sample to represent all farms not on the NASS list. This methodology is known as multiple frame sampling, with an area sample used to measure the incompleteness of the list. Additionally, a list of agricultural service firms was sampled in California and Florida. The survey reference week was January 10-16, 1993.

**Reliability:** Two types of errors, sampling and nonsampling, are possible in an estimate based on a sample survey. Both types affect the "precision" of the estimates.

Sampling error occurs because a complete census is not taken. The sampling error measures the variation in estimates from the average of all possible samples. An estimate of 100 with a sampling error of 1 would mean that chances are 19 out of 20 that the estimates from all possible samples averaged together would be between 98 and 102; which is the survey estimate, plus or minus two times the sampling error. The sampling error expressed as a percent of the estimate is called the relative sampling error. The relative sampling error for number of all non-salaried workers at the U.S. level was 2.1 percent and 4.4 percent for all hired workers. The relative sampling error for number of hired workers generally ranged between 10 and 20 percent at the regional and published State level. The U.S. all hired farm worker wage rate had a relative sampling error of 1.2 percent. The relative sampling error was 1.1 percent for both hourly paid workers and for the combined field and livestock worker wage rate. Relative sampling errors for the all hired farm worker wage rate generally ranged between 2 and 6 percent at the regional and published State levels. Relative sampling error, for wage rates published by type of farm and economic class of farm ranged between 2 and 8 percent at the regional level.

Nonsampling errors can occur in complete censuses as well as in sample surveys. They are caused by the inability to obtain correct information from each operation sampled, differences in interpreting questions or definitions, and mistakes in coding or processing the data. Special efforts are taken at each step of the survey to minimize nonsampling errors.

**Revision Policy:** Farm labor information is subject to revision the next time the information is published or the year after the original publication date. The basis for revision must be supported by additional data that directly affect the level of the estimate. Worker numbers and wage rates for January and October of 1992 were subject to revision with this report. No revisions were made but previous data are reprinted in this report for your information.

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The next "Farm Labor" report will be released at 3:00 p.m. ET on May 18, 1993.

The May 18th report will have information for the survey week of April 11-17, 1993. The report will include the number of Total Workers, All Hired Workers, Average Hours Worked by Hired Workers, and the All Hired Worker Wage Rates for 16 States along with regional and U.S. level information. State level information will be available for Arizona, California, Florida, Hawaii, Michigan, Minnesota, New Mexico, New York, North Carolina, Oklahoma, Oregon, Pennsylvania, Texas, Virginia, Washington, and Wisconsin. The hourly method of pay wage rate and the wage rate for field and livestock workers will be available for the 16 States and at the regional and U.S. level. The number of self-employed and unpaid workers along with the corresponding average hours worked will be available for California, Florida, Hawaii, and at the regional and U.S. level. Wage rates by method of pay, type of worker, type of farm, and economic class of farm will also be available at the regional and U.S. level. The number of Agricultural Service Workers and the corresponding wage rates (including by method of pay and for field workers) will be published for Florida and California.



