



# **Labor Market Analysis of Skills Related to Agricultural Mechanics in Massachusetts**

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## Overview and Key Findings

### Programs

Five Chapter 74 programs of study are currently offered within the Agriculture and Natural Resources Cluster:

* Veterinary Science
* Agricultural Mechanics
* Animal Science
* Environmental Science & Technology
* Horticulture

Each of these programs maps to at least one target occupation, and each occupation is employed by multiple industries. This analysis uses labor market data from the Massachusetts Department of Economic Research to provide perspective on both the industries (the employers) and the career paths that are available to our graduates.

### Industries

In public labor market data systems, industries are types of employers defined by their primary output. There is not a direct relationship between industries and occupations, although the United States Bureau of Labor Statistics publishes an employment matrix that estimates the share of a given industry’s workforce that consists of each occupational category.

Industries are organized in general categories under a two-digit code, and the industry category is then subdivided into three-digit codes, then four-digit codes and so on down to six digits. Three distinct industries are profiled in this analysis:

* Veterinary Services (NAICS 54194)
* Animal Production and Aquaculture (NAICS 112)
* Crop Production (NAICS 111)

There are some inherent challenges in using public labor market data sources to profile these industries. The Agriculture industry makes use of a large number of self-employed workers and workers whose compensation is paid in cash and not included in public employment and wage data. Also, Agricultural Mechanics is not classified as an industry in these systems. To provide perspective on the importance and the career potential of these fields, we also use analysis of target occupations for these programs.

Veterinary Services is a component of the two-digit level industry Professional, Scientific, and Technical Services. Animal Production and Crop Production are components of the Agriculture, Forestry, Fishing, and Hunting industry.

#### Veterinary Services Industry (NAICS 54194)

Establishments of licensed veterinary practitioners primarily engaged in the practice of veterinary medicine, dentistry, or surgery for animals; and establishments primarily engaged in providing testing services for licensed veterinary practitioners.

Illustrative Examples:

* Animal hospitals
* Veterinary clinics
* Veterinarians' offices
* Veterinary testing laboratories

#### Animal Production and Aquaculture (NAICS 112)

Industries in the Animal Production and Aquaculture subsector raise or fatten animals for the sale of animals or animal products and/or raise aquatic plants and animals in controlled or selected aquatic environments for the sale of aquatic plants, animals, or their products. The subsector includes establishments, such as ranches, farms, and feedlots, primarily engaged in keeping, grazing, breeding, or feeding animals. These animals are kept for the products they produce or for eventual sale. The animals are generally raised in various environments, from total confinement or captivity to feeding on an open range pasture.

The industries in this subsector are grouped by important factors, such as suitable grazing or pasture land, specialized buildings, type of equipment, and the amount and types of labor required. Establishments are classified in the Animal Production and Aquaculture subsector when animal production (i.e., value of animals for market) accounts for one-half or more of the establishment's total agricultural production.

#### Crop Production (NAICS 111)

Industries in the Crop Production subsector grow crops mainly for food and fiber. The subsector comprises establishments, such as farms, orchards, groves, greenhouses, and nurseries, primarily engaged in growing crops, plants, vines, or trees and their seeds.

The industries in this subsector are grouped by similarity of production activity, including biological and physiological characteristics and economic requirements, the length of growing season, degree of crop rotation, extent of input specialization, labor requirements, and capital demands. The production process is typically completed when the raw product or commodity grown reaches the "farm gate" for market, that is, at the point of first sale or price determination.

Establishments are classified in the Crop Production subsector when crop production (i.e., value of crops for market) accounts for one-half or more of the establishment's total agricultural production.

### Occupations

In public data systems, occupations are sets of tasks regularly performed by one individual on an employer’s payroll. In this analysis, occupations related to these programsare profiled in a career pathway framework as we seek to provide strategic value in the development and administration of Agriculture curriculum and the construction of compelling and instructive narrative that will introduce students to the rapidly evolving world of Agriculture in the 21st Century.

Each program maps to at least one particular occupation and at least one industry-recognized credential. The table that follows identifies each target occupation and the occupation family (from the United States Bureau of Labor Statistics) in which that occupation is found. Also included is the career cluster (from Advance CTE and used as the taxonomy for CTE programs). Within every cluster are from one to eight pathways, and those are included for each occupation, as well.

#### Agriculture and Natural Resources Cluster Programs and Related Occupations

##### Credentials

* Veterinary Science
	+ Target Occupation: Veterinary Assistant
	+ Occupation Family: Healthcare Practitioners & Technical
	+ Career Cluster: Health Sciences
	+ Career Pathway: Diagnostic Services
	+ Industry-Recognized Credential: Certified Veterinary Technician
* Agricultural Mechanics
	+ Target Occupation: Agricultural Equipment Operators
	+ Occupation Family: Farming, Fishing and Forestry
	+ Career Cluster: Agriculture, Food and Natural Resources
	+ Career Pathway: Power, Structural and Technical Systems
	+ Industry-Recognized Credential: Valid Driver’s License
* Animal Science
	+ Target Occupations
		- Farmworkers and Laborers, Crop, Nursery and Greenhouse
		- Farmworkers, Farm, Ranch and Aquacultural Animals
		- Farmers, Ranchers and Other Agricultural Managers
	+ Occupation Family: Farming, Fishing and Forestry
	+ Career Cluster: Agriculture, Food and Natural Resources
	+ Career Pathway: Agribusiness Systems
	+ Industry-Recognized Credential: Valid Driver’s License
* Environment Science & Technology
	+ Target Occupation: Biological Technician
	+ Occupation Family: Life, Physical, and Social Science
	+ Career Cluster: Agriculture, Food and Natural Resources
	+ Career Pathway: Plant Systems
	+ Industry-Recognized Credential: Technologist in Molecular Biology (MB-ASCP)
* Horticulture
	+ Target Occupation: Agricultural Technician
	+ Occupation Family: Life, Physical and Social Science
	+ Career Cluster: Agriculture, Food and Natural Resources
	+ Career Pathway: Food Products and Processing Systems
	+ Industry-Recognized Credential: Pesticide Applicator

### Key Findings

A detailed analysis of the Programs of study, related industries, and related occupations led to several key conclusions:

1. **The importance of the** **Agriculture, Forestry, Fishing, and Hunting industry to the Massachusetts economy**
2. In labor market data systems, the Agriculture, Forestry, Fishing, and Huntingindustry is further divided into five subcategories, of which four are significant components of the Commonwealth’s economy and labor market. More than 23,000 people are employed by organizations in this industry.
3. **Career Outlooks for the target occupations**

More than 14,000 people in Massachusetts are employed in Agriculture, Fishing, and Forestry occupations. That number is projected to grow by more than 300 in the coming decade.

1. **Trends in the profiled industries**

Both the Agriculture, Forestry, Fishing, and Hunting and the Veterinary Services industries have avoided the employment declines that characterized the regional economy in the aftermath of the COVID-19 pandemic, and Veterinary Services has experienced notable growth.

1. **The importance of a driver’s license**

A valid driver's license is by far the most mentioned qualification for careers in this field, making it not only a value to the individual on a personal level, but also as a career-related asset.

## The Agriculture, Forestry, Fishing, and Hunting Industry in Massachusetts

### The Agriculture, Forestry, Fishing, and Hunting Industry in Labor Market Data Systems

In public labor market data systems, the Agriculture, Forestry, Fishing, and Hunting Industry (NAICS 11) comprises five more detailed industry categories, including Crop Production, Animal Production, and Support Activities for Crop Production. It comprises employers primarily engaged in growing crops, raising animals, harvesting timber, and harvesting fish and other animals from a farm, ranch, or their natural habitats.

The establishments in this sector are often described as farms, ranches, dairies, greenhouses, nurseries, orchards, or hatcheries. A farm may consist of a single tract of land or a number of separate tracts which may be held under different tenures. For example, one tract may be owned by the farm operator and another rented. It may be operated by the operator alone or with the assistance of members of the household or hired employees, or it may be operated by a partnership, corporation, or other type of organization. When a landowner has one or more tenants, renters, croppers, or managers, the land operated by each is considered a farm.

The sector distinguishes two basic activities: agricultural production and agricultural support activities. Agricultural production includes establishments performing the complete farm or ranch operation, such as farm owner-operators and tenant farm operators. Agricultural support activities include establishments that perform one or more activities associated with farm operation, such as soil preparation, planting, harvesting, and management, on a contract or fee basis.

The category is then further parsed into four-, five-, and ultimately six-digit level categories, and the Massachusetts Department of Economic Research produces employment and wage estimates for each.

#### Other Industry Categories

* 11 Agriculture, Forestry, Fishing, and Hunting
	+ 111: Crop Production
	+ 112: Animal Production and Aquaculture
	+ 113: Forestry and Logging
		- 1131 Timber Tract Operations
		- 1132 Forest Nurseries and Gathering of Forest Products
		- 1133 Logging
	+ 114 Fishing, Hunting and Trapping
	+ 115 Support Activities for Agriculture and Forestry
		- 1151 Support Activities for Crop Production
			* 11511 Cotton Ginning
			* 11512 Soil Preparation, Planting, and Cultivating
			* 115113 Crop Harvesting, Primarily by Machine
			* 115114 Postharvest Crop Activities (except Cotton Ginning)
			* 115115 Farm Labor Contractors and Crew Leaders
			* 115116 Farm Management Services
		- 1152 Support Activities for Animal Production
		- 1153 Support Activities for Forestry

#### Employment Trends

More than 24,000 people are employed at 999 payrolled locations in the Agriculture, Forestry, Fishing, and Hunting Industry (NAICS 11) in Massachusetts. Employment in this sector has declined slightly over the last ten years.

##### Table 1: Average Annual Employment, Auto Repair and Maintenance Industries, 2014-2023

|  |  |  |  |
| --- | --- | --- | --- |
| **Year** | **Jobs** | **Year** | **Jobs** |
| 2014 | 19,768 | 2019 | 21,514 |
| 2015 | 19,552 | 2020 | 22,203 |
| 2016 | 20,301 | 2021 | 24,036 |
| 2017 | 20,192 | 2022 | 24,838 |
| 2018 | 20,869 | 2023 | 24,586 |



When we break down the Commonwealth’s employment within the Agriculture, Forestry, Fishing, and Hunting industry, we find that the largest number of jobs are in the Animal Production and Crop Production industries. Employment in each has been generally consistent over the last decade, with only Animal Production experiencing a measurable decrease (1,668 jobs).

##### Table 2 and 3: Employment Change, Agriculture, Forestry, Fishing and Hunting, Massachusetts, 2014-2023

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Industry | 2014 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
| Animal Production | 3,245 | 3,422 | 3,517 | 3,343 | 3,454 | 3,464 | 3,321 |
| Crop Production | 8,561 | 8,482 | 8,710 | 8,958 | 9,226 | 10,064 | 11,001 |
| Support Activities for Crop Production | 846 | 723 | 701 | 685 | 761 | 648 | 739 |
| Support Activities for Animal Production | 1,043 | 1,012 | 1,090 | 1,172 | 1,236 | 1,137 | 1,211 |

|  |  |  |
| --- | --- | --- |
| Industry | 2014-2023 Change | 2014-2023 % Change |
| Animal Production | 196 | 6.0% |
| Crop Production | 5,050 | 59.0% |
| Support Activities for Crop Production | 150 | 17.7% |
| Support Activities for Animal Production | 285 | 27.3% |

## The Pathways

### Priority Occupations and Pathways

This section looks at the target occupation categories. It will also consider advancement opportunities in related careers that are not directly related to the program of study, but that illustrate opportunities that may be available to workers in these occupations with additional education and experience.

#### Table 4: Target Occupations, Massachusetts

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Occupation | 2023 Jobs | Turnover Rate | 2014 – 2023 Change | 2014 – 2023 % Change | Median Annual Earnings |
| Farmworkers and Laborers, Crop, Nursery, and Greenhouse | 4,846 | 94.9% | 1,469 | 43.5% | $33,231 |
| Farmworkers, Farm, Ranch, and Aquacultural Animals | 2,039 | 76.3% | 940 | 85.5% | $34,073 |
| Farmers, Ranchers, and Other Agricultural Managers | 7,884 | 19.8% | 521 | 7.1% | $32,144 |
| Agricultural Equipment Operators | 680 | 91.7% | 371 | 120.2% | $38,839 |
| Agricultural Technician | 407 | 55.2% | 258 | 173.2% | $79,100 |
| Biological Technician | 6,927 | 64.2% | 1,409 | 25.5% | $61,693 |
| Veterinary Assistant | 1,831 | 88.9% | 338 | 22.7% | $44,456 |

While careers in these two occupations are certainly viable in their own rights, they also can serve as entry points to progressively more sophisticated and better-paying roles.

#### Table 5: Related Career Pathways

##### Job Zone Two Occupations

|  |  |  |  |
| --- | --- | --- | --- |
| Occupation | 2023 Jobs | Typical Education Requirement | Median Annual Earnings |
| Forest and Conservation Workers | 251 | High school | $38,164 |
| [Animal Breeders](https://www.onetonline.org/link/summary/45-2021.00) | 37 | High school | $40,619 |
| Animal Trainers | 2,793 | High school | $33,906 |
| [Agricultural Inspectors](https://www.onetonline.org/link/summary/45-2011.00) | 215 | Bachelor’s | $51,214 |
| Veterinary Assistants and Laboratory Animal Caretakers | 1,831 | High school | $44,456 |
| Biological Technicians | 6,927 | Bachelor’s | $61,693 |

##### Job Zone Three Occupations

|  |  |  |  |
| --- | --- | --- | --- |
| Occupation | 2023 Jobs | Typical Education Requirement | Median Annual Earnings |
| First-Line Supervisors of Farming, Fishing, and Forestry Workers | 734 | High school | $47,218 |

## Occupation Profiles and Job Postings

### O\*Net Occupation Profile-Farmworkers and Laborers, Crop, Nursery, and Greenhouse

The United States Department of Labor, Employment, and Training Administration created and regularly updates more than 800 occupational profiles with characteristics like skills, educational requirements, and daily tasks, based on the inputs of industry experts and people who are employed in the occupations.

#### Description

Manually plant, cultivate, and harvest vegetables, fruits, nuts, horticultural specialties, and field crops. Use hand tools, such as shovels, trowels, hoes, tampers, pruning hooks, shears, and knives. Duties may include tilling soil and applying fertilizers; transplanting, weeding, thinning, or pruning crops; applying pesticides; or cleaning, grading, sorting, packing, and loading harvested products. May construct trellises, repair fences and farm buildings, or participate in irrigation activities.

#### Top Skills

* Watching gauges, dials, or other indicators to make sure a machine is working properly.
* Talking to others to convey information effectively.
* Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.
* Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions, or approaches to problems.
* Monitoring/assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action.
* Controlling operations of equipment or systems.
* Understanding written sentences and paragraphs in work-related documents.
* Repairing machines or systems using the needed tools.
* Being aware of others' reactions and understanding why they react as they do.
* Managing one's own time and the time of others.
* Understanding the implications of new information for both current and future problem-solving and decision-making.
* Performing routine maintenance on equipment and determining when and what kind of maintenance is needed.
* Conducting tests and inspections of products, services, or processes to evaluate quality or performance.
* Determining causes of operating errors and deciding what to do about it.
* Adjusting actions in relation to others' actions.

#### Top Daily Tasks

* Transport animals, crops, or equipment.
* Sell agricultural products.
* Maintain operational records.
* Direct activities of agricultural, forestry, or fishery employees.
* Harvest agricultural products.
* Mark agricultural or forestry products for identification.
* Sort forestry or agricultural materials.
* Operate irrigation systems.
* Evaluate quality of plants or crops.
* Maintain forestry, hunting, or agricultural equipment.
* Advise others on farming or forestry operations, regulations, or equipment.
* Build agricultural structures.
* Confer with managers to make operational decisions.
* Cut trees or logs.
* Plant crops, trees, or other plants.
* Examine characteristics or behavior of living organisms.
* Operate farming equipment.
* Maintain inventories of materials, equipment, or products.
* Prepare land for agricultural use.
* Load agricultural or forestry products for shipment.
* Package agricultural products for shipment or further processing.
* Clean equipment or facilities.
* Perform manual agricultural, aquacultural, or horticultural tasks.

#### Additional Information

* National Associations
* American Farm Bureau Federation
* AmericanHort
* Association of Farmworker Opportunity Programs
* International Plant Propagators' Society

#### Job Postings - Farmworkers and Laborers, Crop, Nursery and Greenhouse

P2C uses a third-party system that aggregates data from job postings to provide perspective on the skills and qualifications employers are prioritizing in their advertisements for these occupations.

* After controlling for multiple postings that likely referenced the same single opening, over the last year, we identified 466 unique job postings for Automotive Body and Related Repairers.
* We identified 222 unique employers who posted openings online.

##### Top Employers Advertising:

* Ianthus Capital Holdings
* Brightview
* Volante Farms
* City Of Lowell
* Sunny Crest Orchards
* Pharmacann
* Harvard University
* Boys & Girls Clubs of America
* The Trustees of Reservations
* Riverdale Farm
* Patterson Farm
* Westward Orchards
* Parterre Garden Services
* Flat Hill Orchards
* Mahoney's Garden Center
* Kraft Group
* Carlson Orchards
* Paragon Landscape Construction
* Nourse Farms

##### Top Job Titles:

* Farm Workers
* Horticulturists
* Irrigation Technicians
* Farm Hands
* Growers
* Farm Laborers
* Field Crews
* Irrigation Specialists
* Farm Operators
* Greenhouse Technicians
* Horticultural Assistants
* Lead Gardeners
* Head Growers
* Farm Assistants
* Greenhouse Assistants
* Deli Workers
* Greenhouse Workers
* Greenhouse Associates
* Nursery Technicians
* Landscape Gardeners
* Farm Technicians
* Field Workers
* Greenhouse Managers
* Greenhouse Growers

##### Top Qualifications:

* Valid Driver's License
* Pesticide Applicator License
* Hoisting License
* Certified Arborist

### O\*Net Occupation Profile-Farmers, Ranchers, and Other Agricultural Managers

The United States Department of Labor, Employment and Training Administration created and regularly updates more than 800 occupational profiles with characteristics like skills, educational requirements, and daily tasks, based on the inputs of industry experts and people who are employed in the occupations.

#### Description

Plan, direct, or coordinate the management or operation of farms, ranches, greenhouses, aquacultural operations, nurseries, timber tracts, or other agricultural establishments. May hire, train, and supervise farm workers or contract for services to carry out the day-to-day activities of the managed operation. May engage in or supervise planting, cultivating, harvesting, and financial and marketing activities.

#### Top Skills

* Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.
* Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions, or approaches to problems.
* Understanding written sentences and paragraphs in work-related documents.
* Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions.
* Motivating, developing, and directing people as they work, identifying the best people for the job.
* Talking to others to convey information effectively.
* Adjusting actions in relation to others' actions.
* Considering the relative costs and benefits of potential actions to choose the most appropriate one.
* Understanding the implications of new information for both current and future problem-solving and decision-making.
* Monitoring/assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action.
* Being aware of others' reactions and understanding why they react as they do.
* Managing one's own time and the time of others.

#### Top Daily Tasks

* Maintain operational records.
* Compile operational data.
* Manage agricultural or forestry operations.
* Analyze financial records to improve budgeting or planning.
* Determine resource needs.
* Develop emergency response plans or procedures.
* Develop agricultural methods.
* Perform manual agricultural, aquacultural, or horticultural tasks.
* Maintain regulatory or compliance documentation.
* Prepare reports related to compliance matters.
* Inspect condition or functioning of facilities or equipment.
* Maintain personnel records.
* Perform manual service or maintenance tasks.
* Direct organizational operations, projects, or services.
* Direct administrative or support services.
* Direct sales, marketing, or customer service activities.
* Negotiate contracts for transportation, distribution, or logistics services.
* Negotiate sales or lease agreements for products or services.
* Test materials, solutions, or samples.
* Advise customers on technical or procedural issues.
* Analyze data to inform operational decisions or activities.
* Manage construction activities.
* Conduct employee training programs.
* Develop marketing plans or strategies.
* Develop organizational policies or programs.
* Direct activities of agricultural, forestry, or fishery employees.
* Estimate labor or resource requirements for forestry, fishing, or agricultural operations.
* Evaluate quality of plants or crops.
* Examine animals to detect illness, injury, or other problems.
* Hire personnel.
* Monitor operational quality or safety.
* Monitor organizational compliance with regulations.
* Purchase materials, equipment, or other resources.
* Submit financial applications.
* Supervise employees.

#### Additional Information

##### National Associations

* American Farm Bureau Federation
* American Fisheries Society
* American Horticultural Society
* American Mushroom Institute
* American Society for Horticultural Science

##### Regional Associations

* Pacific Coast Shellfish Growers Association
* Western Regional Aquaculture Center

##### Accreditation, Certification, & Unions

* American Society of Farm Managers and Rural Appraisers

#### Job Postings - Farmers, Ranchers, and Other Agricultural Managers

P2C uses a third-party system that aggregates data from job postings to provide perspective on the skills and qualifications employers are prioritizing in their advertisements for these occupations.

* After controlling for multiple postings that likely referenced the same single opening, over the last year, we identified 390 unique job postings for Farmers, Ranchers, and Other Agricultural Managers.
* We identified 186 unique employers who posted openings online.

##### Top Employers Advertising:

* GPAC
* Engineering Services and Products Company
* The Trustees of Reservations
* The Food Project
* Boston Children's Hospital
* Red Fire Farm
* Ianthus Capital Holdings
* Siena Farms
* R. P. Marzilli & Company
* Delaware North
* Amherst College
* Big Y Foods
* GreenKiss Staffing Solutions
* Exponent
* Stepan Company
* Boston Farms Community Land Trust
* Kitchen Garden Farm
* The Farm School
* Mahoney's Garden Center
* Rockland Trust

##### Top Job Titles:

* Plant Managers
* Activation Managers
* Farm Managers
* Aquaculture Managers
* Production Directors
* Farmers
* Organic Farmers
* Greenhouse Managers
* Vineyard Managers
* Barn Managers
* Assistant Managers
* Harvest Managers
* Farmers Market Managers
* Horticulture Managers
* Urban Farmers
* Assistant Farmers
* Farm Hands
* Livestock Managers
* Fish Hatchery Managers
* Farm Assistants
* Orchard Managers

##### Top Qualifications:

* Valid Driver's License

### O\*Net Occupation Profile-Agricultural Equipment Operators

The United States Department of Labor, Employment and Training Administration created and regularly updates more than 800 occupational profiles with characteristics like skills, educational requirements, and daily tasks, based on the inputs of industry experts and people who are employed in the occupations.

#### Description

Drive and control equipment to support agricultural activities such as tilling soil; planting, cultivating, and harvesting crops; feeding and herding livestock; or removing animal waste. May perform tasks such as crop baling or hay bucking. May operate stationary equipment to perform post-harvest tasks such as husking, shelling, threshing, and ginning.

#### Top Skills

* Controlling operations of equipment or systems.
* Watching gauges, dials, or other indicators to make sure a machine is working properly.
* Determining causes of operating errors and deciding what to do about it.
* Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.
* Performing routine maintenance on equipment and determining when and what kind of maintenance is needed.
* Conducting tests and inspections of products, services, or processes to evaluate quality or performance.
* Repairing machines or systems using the needed tools.
* Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions, or approaches to problems.
* Being aware of others' reactions and understanding why they react as they do.
* Adjusting actions in relation to others' actions.
* Monitoring/Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action.
* Talking to others to convey information effectively.
* Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions.
* Determining the kind of tools and equipment needed to do a job.
* Considering the relative costs and benefits of potential actions to choose the most appropriate one.
* Understanding the implications of new information for both current and future problem-solving and decision-making.
* Teaching others how to do something.
* Motivating, developing, and directing people as they work, identifying the best people for the job.
* Understanding written sentences and paragraphs in work-related documents.
* Actively looking for ways to help people.
* Managing one's own time and the time of others.
* Bringing others together and trying to reconcile differences.

#### Top Daily Tasks

* Load agricultural or forestry products for shipment.
* Prepare materials or solutions for animal or plant use.
* Apply chemical solutions to plants to protect against disease or insects or to enhance growth.
* Inspect equipment or facilities to determine condition or maintenance needs.
* Operate farming equipment.
* Load materials into equipment for processing.
* Direct activities of agricultural, forestry, or fishery employees.
* Maintain forestry, hunting, or agricultural equipment.
* Confer with managers to make operational decisions.
* Measure physical characteristics of forestry or agricultural products.
* Plant crops, trees, or other plants.
* Record agricultural or forestry inventory data.
* Operate conveyors or other industrial material moving equipment.
* Attach equipment extensions or accessories.
* Operate irrigation systems.

#### Additional Information

##### National Associations

* American Farm Bureau Federation
* Association of Farmworker Opportunity Programs

#### Job Postings - Agricultural Equipment Operators

P2C uses a third-party system that aggregates data from job postings to provide perspective on the skills and qualifications employers are prioritizing in their advertisements for these occupations.

* After controlling for multiple postings that likely referenced the same single opening, over the last year, we identified 5 unique job postings for Agricultural Equipment Operators.
* We identified 4 unique employers who posted openings online.

##### Top Employers Advertising:

* Atlas Farm
* Nouse Farms
* Orchard Made Products

##### Top Job Titles:

* Agricultural Equipment Operator
* Farm Equipment Operator

##### Top Qualifications:

* Valid Driver's License