Agriculture & Forestry Career Ladder

Prepared by AdvanceCT and Thomas P. Miller & Associates
To increase job opportunities in Connecticut’s green technology sector, lower energy costs, improve energy efficiency and promote sustainability, the Office of Workforce Competitiveness, in consultation with other agencies, created a green jobs career ladder. This ladder is designed to link green jobs employers with technical education and career schools and institutions of higher education to foster coordination and grow the workforce in the sector.

The green jobs ladder includes components such as the scope of the industry and various occupations included, the skills and knowledge needed to succeed in those occupations, and the professional opportunities available at the entry, mid-career and advanced levels, along with the current salary ranges for each. To maintain this ladder as a comprehensive and useful resource for the green technology industry and its educational partners, it will be updated periodically as needed.
The lines within this career ladder provide potential pathways that workers can follow within this industry ecosystem. The colors are simply to differentiate one pathway option from the other.
## Agricultural Inspectors Occupational Profile

### MEDIAN SALARY & WAGES

$35.17/Hour

### COMMON JOB TITLES

- Agricultural Inspectors
- Graders and Sorters, Agricultural Products
- Environmental Compliance Inspectors
- Safety Inspectors (Transportation and Material Moving)

### COMMON KNOWLEDGE COMPETENCIES

- Customer and Personal Service
- Administration and Management
- Law and Government
- Clerical

### REQUESTED EDUCATION

<table>
<thead>
<tr>
<th></th>
<th>High School or Less</th>
<th>Post-Secondary Certificate</th>
<th>Bachelor’s</th>
</tr>
</thead>
</table>

### TOP CERTIFICATIONS REQUESTED

- Certified Professional Agronomist
- Certified Crop Advisor

### TOP SKILLS REQUESTED

- Quality Control Analysis
- Reading Comprehension
- Active Listening
- Monitoring
- Critical Thinking
- Speaking
- Active Learning
- Operation Monitoring
- Judgement and Decision Making
- Writing

### SIMILAR INDUSTRIES

- Agriculture & Forestry
- Energy Efficiency & Storage
- Environmental Protection & Waste Reduction
- Government & Regulatory Administration
- Transportation
- Green Construction
- Research, Design, Consulting, & Supportive Services
- Manufacturing
- Renewable Energy Generation

 Indicates an especially close similarity

State of Connecticut Department of Labor, Office of Workforce Competitiveness, Spring 2020
Fallers Occupational Profile

**MEDIAN SALARY & WAGES**

$24.21/Hour

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**COMMON JOB TITLES**

- Fallers

**REQUESTED EDUCATION**

- High School or Less
- Post-Secondary Certificate

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**TOTAL JOBS FOR 2024**

17

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**COMMON KNOWLEDGE COMPETENCIES**

- Mechanical
- Production and Processing
- Administration and Management
- Public Safety and Security

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**TOP CERTIFICATIONS REQUESTED**

- Certified Arborist
- Certified Tree Worker Aerial Life Specialist

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**TOP SKILLS REQUESTED**

- Operation and Control
- Critical Thinking
- Monitoring
- Operation and Monitoring
- Judgement and Decision Making
- Active Listening
- Equipment Maintenance
- Troubleshooting
- Repairing
- Speaking

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**SIMILAR INDUSTRIES**

- Agriculture & Forestry
- Energy Efficiency & Storage
- Environmental Protection & Waste Reduction
- Government & Regulatory Administration
- Transportation
- Green Construction
- Research, Design, Consulting, & Supportive Services
- Manufacturing
- Renewable Energy Generation

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State of Connecticut Department of Labor, Office of Workforce Competitiveness, Spring 2020
Farmworkers and Laborers, Crop, Nursery, and Greenhouse Occupational Profile

**MEDIAN SALARY & WAGES**

$14.31/Hour

**COMMON JOB TITLES**

- Farmworkers
- Nursery Workers
- Farm and Ranch Managers
- Nursery and Greenhouse Managers

**TOTAL JOBS FOR 2024**

2,241

**COMMON KNOWLEDGE COMPETENCIES**

- Production and Processing
- Food Production
- Administration and Management
- Customer and Personal Service

**REQUESTED EDUCATION**

- High School or Less
- Post-Secondary Certificate

**TOP CERTIFICATIONS REQUESTED**

- Commercial Driver’s License

**TOP SKILLS REQUESTED**

- Coordination
- Critical Thinking
- Monitoring
- Active Listening
- Speaking
- Social Perceptiveness
- Operation Monitoring
- Operation and Control
- Judgement
- Time Management

**SIMILAR INDUSTRIES**

- Agriculture & Forestry
- Energy Efficiency & Storage
- Environmental Protection & Waste Reduction
- Government & Regulatory Administration
- Transportation
- Green Construction
- Research, Design, Consulting, & Supportive Services
- Manufacturing
- Renewable Energy Generation

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State of Connecticut Department of Labor, Office of Workforce Competitiveness, Spring 2020
## Farmworkers, Farm, Ranch, and Aquacultural Animals Occupational Profile

<table>
<thead>
<tr>
<th>MEDIAN SALARY &amp; WAGES</th>
<th>COMMON JOB TITLES</th>
<th>REQUESTED EDUCATION</th>
<th>TOP SKILLS REQUESTED</th>
</tr>
</thead>
<tbody>
<tr>
<td>$17.28/Hour</td>
<td>Farm Hands</td>
<td>High School or Less</td>
<td>Critical Thinking</td>
</tr>
<tr>
<td></td>
<td>Boiler Operators</td>
<td></td>
<td>Monitoring</td>
</tr>
<tr>
<td></td>
<td>Fishing and Related Fishing Workers</td>
<td>Post-Secondary Certificate</td>
<td>Active Listening</td>
</tr>
<tr>
<td></td>
<td>Aquacultural Managers</td>
<td></td>
<td>Operation Monitoring</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TOTAL JOBS FOR 2024</th>
<th>COMMON KNOWLEDGE COMPETENCIES</th>
<th>TOP CERTIFICATIONS REQUESTED</th>
</tr>
</thead>
<tbody>
<tr>
<td>755</td>
<td>Production and Processing</td>
<td>Commercial Driver’s License (CDL)</td>
</tr>
<tr>
<td></td>
<td>Biology</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mechanical</td>
<td></td>
</tr>
<tr>
<td></td>
<td>English Language</td>
<td></td>
</tr>
</tbody>
</table>

### SIMILAR INDUSTRIES
- Agriculture & Forestry
- Energy Efficiency & Storage
- Environmental Protection & Waste Reduction
- Government & Regulatory Administration
- Transportation
- Green Construction
- Research, Design, Consulting, & Supportive Services
- Manufacturing
- Renewable Energy Generation

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State of Connecticut Department of Labor, Office of Workforce Competitiveness, Spring 2020
Foresters Occupational Profile

**COMMON JOB TITLES**
- Foresters
- Forest and Conservation Technicians
- Agricultural Technicians
- Log Graders and Scalers

**COMMON KNOWLEDGE COMPETENCIES**
- Mathematics
- English Language
- Law and Government
- Computer and Electronics

**REQUESTED EDUCATION**
- High School or Less
- Post-Secondary Certificate
- Bachelor’s

**TOP SKILLS REQUESTED**
- Reading Comprehension
- Speaking
- Monitoring
- Critical Thinking
- Judgement
- Coordination
- Complex Problem Solving
- Time Management
- Active Listening
- Systems Analysis

**SIMILAR INDUSTRIES**
- Agriculture & Forestry
- Energy Efficiency & Storage
- Environmental Protection & Waste Reduction
- Government & Regulatory Administration
- Transportation
- Green Construction
- Research, Design, Consulting, & Supportive Services
- Manufacturing
- Renewable Energy Generation

**STATE OF CONNECTICUT DEPARTMENT OF LABOR, OFFICE OF WORKFORCE COMPETITIVENESS, SPRING 2020**

**MEDIAN SALARY & WAGES**
$34.62/Hour

**TOTAL JOBS FOR 2024**
68

**TOP CERTIFICATIONS REQUESTED**
- Certified Arborist
- Pesticide Applicator License

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# General and Operations Managers

## Occupational Profile

### MEDIAN SALARY & WAGES

$101.28/Hour

### TOTAL JOBS FOR 2024

1,443

### COMMON JOB TITLES

- General Managers
- Operations Managers
- Store Managers
- Branch Managers

### COMMON KNOWLEDGE COMPETENCIES

- Administration and Management
- Customer and Personal Service
- Personnel and Human Resources
- English Language

### REQUESTED EDUCATION

- High School or Less
- Post-Secondary Certificate
- Bachelor's

### TOP SKILLS REQUESTED

- Active Listening
- Speaking
- Monitoring
- Social Perceptiveness
- Coordination
- Reading Comprehension
- Critical Thinking
- Time Management
- Negotiation
- Active Learning

### SIMILAR INDUSTRIES

- Agriculture & Forestry
- Energy Efficiency & Storage
- Environmental Protection & Waste Reduction
- Government & Regulatory Administration
- Transportation
- Green Construction
- Research, Design, Consulting, & Supportive Services
- Manufacturing
- Renewable Energy Generation

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**State of Connecticut Department of Labor, Office of Workforce Competitiveness, Spring 2020**
# Pest Control Workers Occupational Profile

**Median Salary & Wages**

$18.53/ Hour

**Total Jobs for 2024**

588

## Common Job Titles

- Pest Control Technicians
- Equipment Service Technicians
- Pest Control Specialists
- Field Service Technicians

## Requested Education

<table>
<thead>
<tr>
<th>High School or Less</th>
<th>Post-Secondary Certificate</th>
</tr>
</thead>
</table>

## Top Certifications Requested

- Pesticide Applicator License

## Top Skills Requested

- Active Listening
- Critical Thinking
- Writing
- Speaking
- Monitoring
- Time Management
- Social Perceptiveness
- Service Orientation
- Complex Problem Solving
- Active Learning

## Similar Industries

- Agriculture & Forestry
- Energy Efficiency & Storage
- Environmental Protection & Waste Reduction
- Government & Regulatory Administration
- Transportation
- Green Construction
- Research, Design, Consulting, & Supportive Services
- Manufacturing
- Renewable Energy Generation

*Indicates an especially close similarity*
## Education and Training Institutions Offerings

<table>
<thead>
<tr>
<th>Agricultural Inspectors</th>
<th>General &amp; Operations Managers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capital Community College</td>
<td>Albertus Magnus College</td>
</tr>
<tr>
<td>Eastern Connecticut State University</td>
<td>Asnuntuck Community College</td>
</tr>
<tr>
<td>Fairfield University</td>
<td>Capital Community College</td>
</tr>
<tr>
<td>Manchester Community College</td>
<td>Charter Oak State College</td>
</tr>
<tr>
<td>Norwalk Community College</td>
<td>Eastern Connecticut State University</td>
</tr>
<tr>
<td>University of Hartford</td>
<td>Fairfield University</td>
</tr>
<tr>
<td>University of New Haven</td>
<td>Gateway Community College</td>
</tr>
<tr>
<td>Goodwin College</td>
<td>Housatonic Community College</td>
</tr>
<tr>
<td>Manchester Community College</td>
<td>Mitchell College</td>
</tr>
<tr>
<td>Middlesex Community College</td>
<td>Naugatuck Valley Community College</td>
</tr>
<tr>
<td>Post University</td>
<td>New Horizons Computer Learning Center</td>
</tr>
<tr>
<td>Quinnipiac University</td>
<td>Northwestern Connecticut Community College</td>
</tr>
<tr>
<td>Sacred Heart University</td>
<td>Norwalk Community College</td>
</tr>
<tr>
<td>Southern Connecticut State University</td>
<td>Post University</td>
</tr>
<tr>
<td>Three Rivers Community College</td>
<td>Quinebaug Valley Community College</td>
</tr>
<tr>
<td>Tunxis Community College</td>
<td>Quinnipiac University</td>
</tr>
<tr>
<td>United States Coast Guard Academy</td>
<td>Sacred Heart University</td>
</tr>
<tr>
<td>University of Bridgeport</td>
<td>Southern Connecticut State University</td>
</tr>
<tr>
<td>University of Connecticut - Waterbury Campus</td>
<td>Three Rivers Community College</td>
</tr>
<tr>
<td>University of Connecticut, School of Business</td>
<td>Tunxis Community College</td>
</tr>
<tr>
<td>University of Connecticut, Stamford</td>
<td>United States Coast Guard Academy</td>
</tr>
<tr>
<td>University of Connecticut, Storrs Campus</td>
<td>University of Bridgeport</td>
</tr>
<tr>
<td>University of Connecticut, Tri-Campus</td>
<td>University of Connecticut, School of Business</td>
</tr>
<tr>
<td>University of Hartford</td>
<td>University of Connecticut, Stamford</td>
</tr>
<tr>
<td>University of New Haven</td>
<td>University of Connecticut, Storrs Campus</td>
</tr>
<tr>
<td>University of Saint Joseph</td>
<td>University of Hartford</td>
</tr>
<tr>
<td>Western Connecticut State University</td>
<td>University of Saint Joseph</td>
</tr>
<tr>
<td>Yale University</td>
<td>Western Connecticut State University</td>
</tr>
</tbody>
</table>
Glossary

ABILITIES – the proficiency, skills, or talent within a particular area.

CAREER PATHWAY – a career pathway means a combination of relevant, rigorous and high-quality education, training, and supportive services that aligns both vertically and horizontally across Secondary Education, Adult Basic Education, Workforce Training and Development, Career and Technical Education, and Postsecondary Education systems, pathways, and programs.

CERTIFICATION – third party accrediting or authorizing agency or person who assess, verifies, and provides an official documentation that attests a level of achievement.

COMPETENCIES – an individual’s ability to do a job properly through a set of behaviors.

INDUSTRY-ALIGNED CREDENTIAL – credentials whose standards are aligned to industry-recognized standards.

INDUSTRY-ENDORSED CREDENTIAL – credentials whose standards are aligned to and endorsed by industry.

INDUSTRY-RECOGNIZED CREDENTIAL – an industry-recognized credential is one that either is developed and offered by, or endorsed by a nationally-recognized industry association or organization representing a sizeable portion of the industry sector, or a credential that is sought or accepted by companies within the industry sector for purposes of hiring or recruitment which may include credentials from vendors of certain products.

KNOWLEDGE – the skills and information acquired through education or experience.

MEDIAN HOURLY EARNINGS – hourly earnings for the occupation reported at the 50th percentile.

REQUESTED EDUCATION – the highest level of education for workers within the given occupational category. Please note these are not the level of education of new incoming workers but of workers currently employed within these positions.

SKILLS – the ability or expertise to do something well.

TOTAL JOBS – estimated number of jobs in the given year, taken as average over a period of 12-months. This value includes both full- and part-time jobs.