

**45-1011 First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers**

**LF**

Directly supervise and coordinate the activities of agricultural, forestry, aquacultural, and related workers. *Examples: Christmas Tree Farm Manager; Harvest Crew Supervisor; Fish Hatchery Supervisor*

**Training Category:** Related experience

2007 Average Wage:	\$21.64
2006 Estimated Employment:	99
2016 Projected Employment:	103
Growth Rate, 2006-2016:	4.0%
Annual Openings:	2

Industry	2006 Share	2016 Share
111 Crop Production	27.3%	25.2%
Self-Employed Workers	24.2%	28.2%
424 Merchant Wholesalers, Nondurable Goods	n	n
444 Building Material & Garden Supply Stores	n	n
6113 Colleges and Universities	n	n
623 Nursing and Residential Care Facilities	n	n

**45-2021 Animal Breeders**

**LS**

Breed animals, including cattle, goats, horses, sheep, swine, poultry, dogs, cats, or pet birds. Select and breed animals according to their genealogy, characteristics, and offspring. May require a knowledge of artificial insemination techniques and equipment use. May involve keeping records on heats, birth intervals, or pedigree.

**Training Category:** Short-term OJT (brief demo)

2007 Average Wage:	n/a
2006 Estimated Employment:	20
2016 Projected Employment:	22
Growth Rate, 2006-2016:	10.0%
Annual Openings:	1

Industry	2006 Share	2016 Share
115 Agriculture & Forestry Support Activity	50.0%	45.5%
Self-Employed Workers	50.0%	54.6%

**45-2041 Graders and Sorters, Agricultural Products**

**LF**

Grade, sort, or classify unprocessed food and other agricultural products by size, weight, color, or condition. *Examples: Chicken Grader; Fruit Sorter*

**Training Category:** Related experience

2007 Average Wage:	n/a
2006 Estimated Employment:	n
2016 Projected Employment:	n
Growth Rate, 2006-2016:	n
Annual Openings:	n

Industry	2006 Share	2016 Share
111 Crop Production	43.8%	35.3%
311 Food Manufacturing	n	n
423 Merchant Wholesalers, Durable Goods	n	n

**45-2091 Agricultural Equipment Operators**

**LF**

Drive and control farm equipment to till soil and to plant, cultivate, and harvest crops. 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. *Examples: Baler; Combine Operator; Tractor Driver*

**Training Category:** Moderate-term OJT (1 to 12 months)

2007 Average Wage:	n/a
2006 Estimated Employment:	96
2016 Projected Employment:	98
Growth Rate, 2006-2016:	2.1%
Annual Openings:	2

Industry	2006 Share	2016 Share
111 Crop Production	49.0%	44.9%
Unpaid Family Workers	3.1%	3.1%
112 Animal Production	n	n
115 Agriculture & Forestry Support Activity	n	n

**45-2092 Farmworkers and Laborers, Crop, Nursery, and Greenhouse**

**FA**

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; cleaning, grading, sorting, packing and loading harvested products. *Examples: Apple Picker; Tobacco Cutter; Vegetable Loader*

Training Category: Short-term OJT (brief demo)

2007 Average Wage:	\$9.45
2006 Estimated Employment:	975
2016 Projected Employment:	1,034
Growth Rate, 2006-2016:	6.1%
Annual Openings:	30

Industry	2006 Share	2016 Share
111 Crop Production	49.1%	48.7%
112 Animal Production	20.0%	18.7%
444 Building Material & Garden Supply Stores	15.0%	14.9%
Unpaid Family Workers	3.2%	2.9%
424 Merchant Wholesalers, Nondurable Goods	n	n
445 Food and Beverage Stores	n	n

**45-2093 Farmworkers, Farm and Ranch Animals**

**FA**

Attend to live farm, ranch, or aquacultural animals that may include cattle, sheep, swine, goats, horses and other equines, poultry, finfish, shellfish, and bees. Attend to animals produced for animal products, such as meat, fur, skins, feathers, eggs, milk, and honey. *Examples: Horse Groomer; Beekeeper; Livestock Feeder*

Training Category: Short-term OJT (brief demo)

2007 Average Wage:	\$11.99
2006 Estimated Employment:	245
2016 Projected Employment:	281
Growth Rate, 2006-2016:	14.7%
Annual Openings:	10

Industry	2006 Share	2016 Share
115 Agriculture & Forestry Support Activity	35.9%	36.3%
111 Crop Production	25.3%	20.3%
112 Animal Production	10.2%	9.6%
311 Food Manufacturing	n	n
623 Nursing and Residential Care Facilities	n	n
624 Social Assistance	n	n

**45-2099 Agricultural Workers, All Other**

**LF**

All agricultural workers not listed separately.

Training Category: Short-term OJT (brief demo)

2007 Average Wage:	n/a
2006 Estimated Employment:	45
2016 Projected Employment:	49
Growth Rate, 2006-2016:	8.9%
Annual Openings:	1

Industry	2006 Share	2016 Share
State Government, ex. Education and Hospitals	62.2%	65.3%
111 Crop Production	n	n
112 Animal Production	n	n
Unpaid Family Workers	n	n

**45-4011 Forest and Conservation Workers**

**FA**

Under supervision, perform manual labor necessary to develop, maintain, or protect forest, forested areas, and woodlands through such activities as raising and transporting tree seedlings; combating insects, pests, and diseases harmful to trees; and building erosion and water control structures and leaching of forest soil. Include forester aides, seedling pullers, and tree planters. *Examples: Christmas Tree Farm Worker; Seedling Puller; Forestry Laborer*

Training Category: Moderate-term OJT (1 to 12 months)

2007 Average Wage:	n/a
2006 Estimated Employment:	n
2016 Projected Employment:	n
Growth Rate, 2006-2016:	n
Annual Openings:	n

Industry	2006 Share	2016 Share
State Government, ex. Education and Hospitals	72.7%	74.1%
5417 Scientific Research and Development Svcs	n	n
Self-Employed Workers	n	n

**45-4021 Fallers**

**LF**

Use axes or chainsaws to fell trees using knowledge of tree characteristics and cutting techniques to control direction of fall and minimize tree damage. *Examples: Cross Cut Sawyer; Timber Cutter*

**Training Category:** Moderate-term OJT (1 to 12 months)

2007 Average Wage:	n/a
2006 Estimated Employment:	n
2016 Projected Employment:	n
Growth Rate, 2006-2016:	n
Annual Openings:	n

Industry		2006 Share	2016 Share
113	Forestry and Logging	n	n
	Self-Employed Workers	n	n

**45-4022 Logging Equipment Operators**

**LS**

Drive logging tractor or wheeled vehicle equipped with one or more accessories, such as bulldozer blade, frontal shear, grapple, logging arch, cable winches, hoisting rack, or crane boom, to fell tree; to skid, load, unload, or stack logs; or to pull stumps or clear brush. *Examples: Log Hauler; Logging Tractor Operator; Skidder Driver*

**Training Category:** Moderate-term OJT (1 to 12 months)

2007 Average Wage:	\$16.92
2006 Estimated Employment:	182
2016 Projected Employment:	192
Growth Rate, 2006-2016:	5.5%
Annual Openings:	5

Industry		2006 Share	2016 Share
113	Forestry and Logging	61.5%	58.3%
	Self-Employed Workers	28.0%	31.8%
321	Wood Product Manufacturing	n	n
423	Merchant Wholesalers, Durable Goods	n	n

**45-4023 Log Graders and Scalers**

**LF**

Grade logs or estimate the marketable content or value of logs or pulpwood in sorting yards, millpond, log deck, or similar locations. Inspect logs for defects or measure logs to determine volume. *Examples: Timber Estimator; Landing Scaler*

**Training Category:** Moderate-term OJT (1 to 12 months)

2007 Average Wage:	\$17.32
2006 Estimated Employment:	85
2016 Projected Employment:	79
Growth Rate, 2006-2016:	-7.1%
Annual Openings:	2

Industry		2006 Share	2016 Share
	Self-Employed Workers	31.8%	35.4%
113	Forestry and Logging	n	n
321	Wood Product Manufacturing	n	n

**45-4029 Logging Workers, All Other**

**LF**

All logging workers not listed separately.

**Training Category:** Moderate-term OJT (1 to 12 months)

2007 Average Wage:	n/a
2006 Estimated Employment:	n
2016 Projected Employment:	n
Growth Rate, 2006-2016:	n
Annual Openings:	n

Industry		2006 Share	2016 Share
113	Forestry and Logging	n	n
	Self-Employed Workers	n	n