

Agriculture Education Report

CIP 01.0101

Cochise, Pima, SC

Farmers, Ranchers, and Other Agricultural Managers

SOC 11-9013: Plan, direct, or coordinate the management or operation of farms, ranches, greenhouses, aqua cultural 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. Excludes "First-Line Supervisors of Farming, Fishing, and Forestry Workers" (45-1011).

Target Occupations

646 Jobs (2016) 57% below National average	20.8% % Change (2017-2022) Nation: -6.7%	\$15.01/hr Median Hourly Earnings Nation: \$14.61/hr
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Occupation	2017 Jobs	Annual Openings	Median Hourly Earnings	Growth (2017 - 2022)	Location Quotient (2017)
Farmers, Ranchers, and Other Agricultural Managers	698	43	\$15.01/hr	20.77%	0.48

* Target Occupations - Settings

Occupational Programs						
11.00	102.00	93.00				
Programs (2014)	Completions (2014)	Openings (2014)				
CIP Code	Program	Completions (2011)	Completions (2012)	Completions (2013)	Completions (2014)	Completions (2015)
01.0101	Agricultural Business and Management, General	55	41	62	42	54
01.0901	Animal Sciences, General	41	36	40	32	31
01.1101	Plant Sciences, General	17	9	9	11	14
01.1102	Agronomy and Crop Science	3	2	4	2	2
01.0199	Agricultural Business and Management, Other	0	0	0	2	1
01.1103	Horticultural Science	0	0	0	0	0
01.1106	Range Science and Management	0	0	0	0	0
01.0601	Applied Horticulture/Horticulture Operations, General	0	0	0	0	0
01.0102	Agribusiness/Agricultural Business Operations	2	0	0	0	0
01.0303	Aquaculture	0	1	0	0	0
01.0308	Agroecology and Sustainable Agriculture	1	2	1	1	0

Programs by Institution				
CIP Code	Title	Institution	Award Level	Completions (2015)
01.0101	Agricultural Business and Management, General	Cochise County Community College District	Associates degree	2
01.0101	Agricultural Business and Management, General	University of Arizona	Bachelors degree	52
01.0102	Agribusiness/Agricultural Business Operations	University of Arizona	Bachelors degree	0
01.0199	Agricultural Business and Management, Other	University of Arizona	Award of at least 1 but less than 2 academic years	1
01.0199	Agricultural Business and Management, Other	University of Arizona	Postbaccalaureate certificate	1
01.0303	Aquaculture	University of Arizona	Postbaccalaureate certificate	0
01.0308	Agroecology and Sustainable Agriculture	University of Arizona	Masters degree	0
01.0308	Agroecology and Sustainable Agriculture	University of Arizona	Doctors degree	0
01.0601	Applied Horticulture/Horticulture Operations, General	Cochise County Community College District	Award of less than 1 academic year	0
01.0901	Animal Sciences, General	University of Arizona	Bachelors degree	27
01.0901	Animal Sciences, General	University of Arizona	Masters degree	3
01.0901	Animal Sciences, General	University of Arizona	Doctors degree	1
01.1101	Plant Sciences, General	University of Arizona	Bachelors degree	10
01.1101	Plant Sciences, General	University of Arizona	Masters degree	3
01.1101	Plant Sciences, General	University of Arizona	Doctors degree	1
01.1102	Agronomy and Crop Science	University of Arizona	Bachelors degree	2
01.1103	Horticultural Science	University of Arizona	Bachelors degree	0
01.1106	Range Science and Management	University of Arizona	Bachelors degree	0
01.1106	Range Science and Management	University of Arizona	Masters degree	0
01.1106	Range Science and Management	University of Arizona	Doctors degree	0

Regional Completions by Award Level

Award Level	Completions (2015)	Percent
● Associates degree	2	3.7% 
● Bachelors degree	52	96.3% 
Award of less than 1 academic year	0	0.0%
Award of at least 1 but less than 2 academic years	0	0.0%
Award of at least 2 but less than 4 academic years	0	0.0%
Postbaccalaureate certificate	0	0.0%
Masters degree	0	0.0%
Post-masters certificate	0	0.0%
Doctors degree	0	0.0%

Regional Completions by Institution

Institution	Certificates (2015)	Degrees (2015)	Total Completions (2015)
University of Arizona	0	52	52
Cochise County Community College District	0	2	2

Appendix A - Data Sources and Calculations

Location Quotient

Location quotient (LQ) is a way of quantifying how concentrated a particular industry, cluster, occupation, or demographic group is in a region as compared to the nation. It can reveal what makes a particular region unique in comparison to the national average.

Occupation Data

EMSI occupation employment data are based on final EMSI industry data and final EMSI staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level EMSI earnings by industry.

State Data Sources

This report uses state data from the following agencies: Arizona Department of Administration, Office of Employment and Population Statistics