

Agriculture Occupation Report



CIP 01.0101

Cochise, Pima, Santa Cruz

Agricultural Business and Management, General

CIP 2010: A general program that focuses on modern business and economic principles involved in the organization, operation, and management of agricultural enterprises.

Occupation Gender Breakdown

	Gender	2016 Jobs	2016 Percent	
•	Males	371	78.9%	
•	Females	99	21.1%	

Occupation Age Breakdown

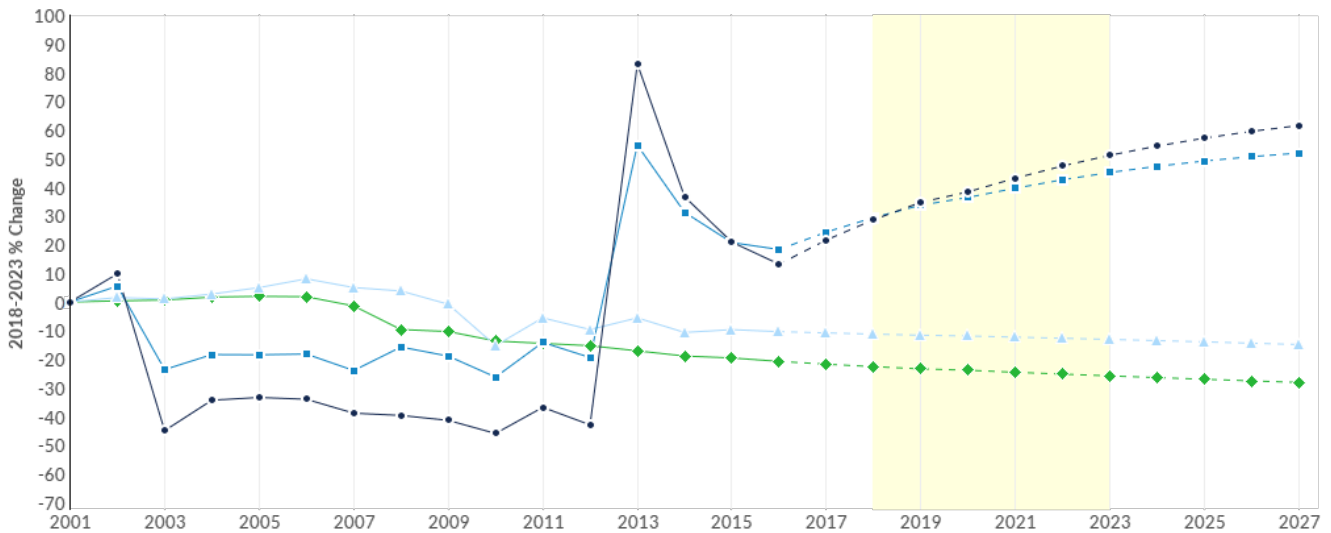
	Age	2016 Jobs	2016 Percent	
•	14-18	0	0.1%	
•	19-24	10	2.1%	
•	25-34	22	4.8%	
•	35-44	63	13.4%	
•	45-54	108	23.0%	
•	55-64	188	39.8%	
•	65+	79	16.8%	

Occupation Summary for 01.0101

471 Jobs (2016) 68% below National average	12.0% % Change (2018-2023) Nation: -4.2%	\$12.55/hr Median Hourly Earnings Nation: \$12.65/hr
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October 10, 2017

Occupation Change Summary



	Region	2018 Jobs	2023 Jobs	Change	% Change	Median Hourly Earnings
●	Cochise County, AZ	260	306	46	18%	\$12.28
●	Cochise, Pima, SC	515	577	62	12%	\$12.55
●	Arizona (AZ)	3,666	3,590	-76	-2%	\$12.62
●	United States	479,458	459,540	-19,918	-4%	\$12.65

SOC	Description	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
11-9013	Farmers, Ranchers, and Other Agricultural Managers	High school diploma or equivalent	5 years or more	None

Occupation Breakdown - 2018 Jobs

Occupation	Description	Cochise County, AZ	Cochise, Pima, SC	Arizona (AZ)	United States
11-9013	Farmers, Ranchers, and Other Agricultural Managers	260	515	3,666	479,458
	Total	260	515	3,666	479,458

Occupation Breakdown - 2023 Jobs

Occupation	Description	Cochise County, AZ	Cochise, Pima, SC	Arizona (AZ)	United States
11-9013	Farmers, Ranchers, and Other Agricultural Managers	306	577	3,590	459,540
	Total	306	577	3,590	459,540

Occupation Breakdown - Change

Occupation	Description	Cochise County, AZ	Cochise, Pima, SC	Arizona (AZ)	United States
11-9013	Farmers, Ranchers, and Other Agricultural Managers	46	62	-76	-19,918
	Total	46	62	-76	-19,918

Occupation Breakdown - Median Hourly Earnings

Occupation	Description	Cochise County, AZ	Cochise, Pima, SC	Arizona (AZ)	United States
11-9013	Farmers, Ranchers, and Other Agricultural Managers	\$12.28	\$12.55	\$12.62	\$12.65
	Total	\$12.28	\$12.55	\$12.62	\$12.65








Top Industries – Change from 2018 - 2023

NAICS Code	Description	Cochise County, AZ	Cochise, Pima, SC	Arizona (AZ)	United States
111000	Crop Production	47	65	23	-3,902
115112	Soil Preparation, Planting, and Cultivating	--	--	-1	-117
115115	Farm Labor Contractors and Crew Leaders	--	--	1	120
115210	Support Activities for Animal Production	--	-1	-8	-299
112000	Animal Production and Aquaculture	-2	-1	-95	-15,546
	Total	46	62	-79	-19,744

Source: QCEW Employees, Non-QCEW Employees & Self-Employed - EMSI 2017.3 Class of Worker

National Educational Attainment

Farmers, Ranchers, and Other Agricultural Managers (11-9013)

	Education Level	2016 Percent
●	Less than high school diploma	12.0% 
●	High school diploma or equivalent	36.9% 
●	Some college, no degree	19.8% 
●	Associate's degree	9.1% 
●	Bachelor's degree	18.3% 
●	Master's degree	3.0% 
●	Doctoral or professional degree	0.9% 

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.

Completers Data

The completers data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

Institution Data

The institution data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

Industry Data

EMSI industry data have various sources depending on the class of worker. (1) For QCEW Employees, EMSI primarily uses the QCEW (Quarterly Census of Employment and Wages), with supplemental estimates from County Business Patterns and Current Employment Statistics. (2) Non-QCEW employees data are based on a number of sources including QCEW, Current Employment Statistics, County Business Patterns, BEA State and Local Personal Income reports, the National Industry-Occupation Employment Matrix (NIOEM), the American Community Survey, and Railroad Retirement Board statistics. (3) Self-Employed and Extended Proprietor classes of worker data are primarily based on the American Community Survey, Nonemployer Statistics, and BEA State and Local Personal Income Reports. Projections for QCEW and Non-QCEW Employees are informed by NIOEM and long-term industry projections published by individual states.

Staffing Patterns Data

The staffing pattern data in this report are compiled from several sources using a specialized process. For QCEW and Non-QCEW Employees classes of worker, sources include Occupational Employment Statistics, the National Industry-Occupation Employment Matrix, and the American Community Survey. For the Self-Employed and Extended Proprietors classes of worker, the primary source is the American Community Survey, with a small amount of information from Occupational Employment Statistics.

State Data Sources

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