

Oregon's Forestry & Wood Cluster

Forestry and wood products has a long history serving as one of Oregon's strongest economic clusters. Both across the U.S. and in Oregon, the forestry and wood products sector continues to decline, however, Oregon remains highly specialized across employment, wages, and establishments as a share of the state's economy. There has been a small but positive increase in patents, while R&D spending is down both in Oregon and the U.S.

Forestry & Wood Cluster Performance Metrics

Oregon's industry cluster performance relative to the United States

Forestry & Wood Products	Oregon		U.S.		Competitiveness Relative to U.S.
	2019	Annual Growth since 2007	2019	Annual Growth since 2007	
Employment	51,472	-1.7%	1,572,490	-1.4%	Lower
Establishments	2,442	-1.1%	82,258	-0.6%	Lower
Average Wage	\$54,157	1.9%	\$56,454	2.1%	Lower
R&D (in Millions, annual) ¹	\$4	-12.6%	\$1,462	-0.7%	Lower
Patents (estimated, annual) ²	8	4.7%	682	2.0%	Higher
Location Quotient	2.52				
Projected 10-Year Employment Growth	-0.9%				

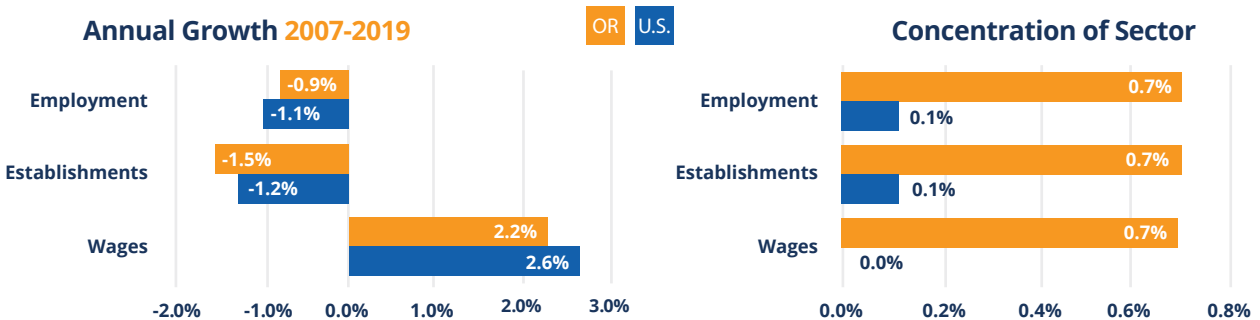
¹ Research and development paid for and performed by companies in 2017 and growth since 2011.

² Estimate of patents granted in 2017 based on 2007 to 2015 data and growth since 2007.

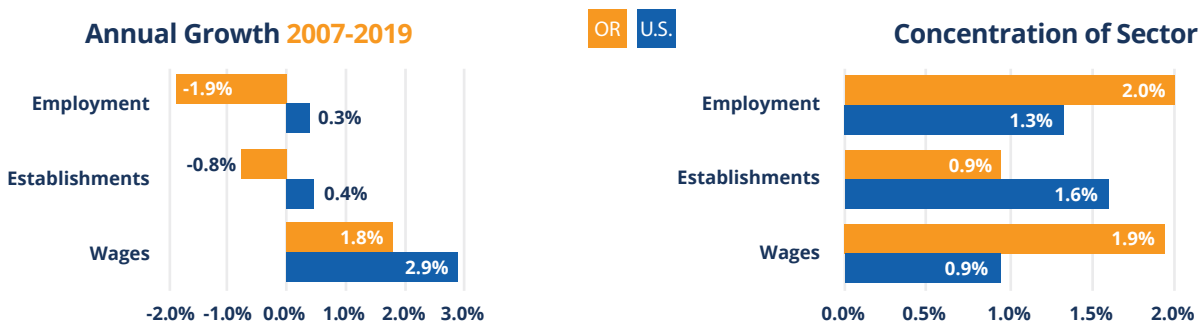
Note: A Location quotient (LQ) measures the concentration or specialization of an industry compared to a larger geography. For these handouts, we compare Oregon's economic clusters and subclusters to the United States. An LQ is calculated by taking the region's share of an economic indicator (jobs, wages, establishments, etc.) relative to the share of that indicator in the larger geography.

Sector Snapshot

Forestry	Oregon		U.S.		Competitiveness Relative to U.S.
	2019	Annual Growth since 2007	2019	Annual Growth since 2007	
Employment	13,752	-0.9%	74,582	-1.1%	Higher
Establishments	1,048	-1.5%	11,781	-1.2%	Lower
Average Wage	\$53,518	2.2%	\$48,880	2.6%	Lower
Location Quotient	14.21				
Projected 10-Year Employment Growth	-2.0%				



Wood Products	Oregon		U.S.		Competitiveness Relative to U.S.
	2019	Annual Growth since 2007	2019	Annual Growth since 2007	
Employment	37,720	-1.9%	1,869,677	0.3%	Lower
Establishments	1,394	-0.8%	160,152	0.4%	Lower
Average Wage	\$54,390	1.8%	\$41,103	2.9%	Lower
R&D (in Millions, annual)	\$4	-12.6%	\$1,462	-0.7%	Lower
Patents (estimated, annual)	8	4.7%	682	2.0%	Higher
Location Quotient	1.94				
Projected 10-Year Employment Growth	-0.7%				



Sources:

U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages (QCEW), 2007 and 2019.

Oregon Employment Department, Oregon Industry Employment Forecast, 2017-2027.

National Science Foundation (NSF), Business Enterprise Research and Development Survey (BERD), 2011 and 2017.

U.S. Patent and Trademark Office, Patent Technology Monitoring Team (PTMT), Patenting by Geographic Region (State and Country), 2007 to 2015.