

Extension Area 11: Economic Overview

Darke, Mercer, Miami, Preble, and Shelby Counties

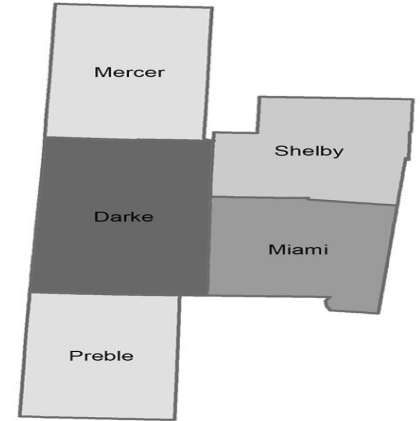
Report prepared September 2021 by Nancy Bowen-Ellzey, Associate Professor and Field Specialist, OSU Extension Community Development

Regional Industry Sector Overview

Table 1 below ranks the top 10 industries in Area 11 by total output. Total output represents the total production value of an industry including intermediate inputs, employee compensation, proprietor income, taxes on production and imports, and other property income. The motor vehicle gasoline engine and engine parts mfg. sector had the greatest total output in the region at \$1.18 billion. This sector has a total employment of 1,839, ranking it fourth among the 10 sectors. It has the highest average employee compensation at \$112k annually.

Owner-occupied dwellings had the second highest total output at \$1.133 billion. The owner-occupied dwellings sector represents the wealth generated from home ownership. Owning and maintaining a home is also a major area of spending and the owner-occupied dwellings sector captures that economic effect. However, there is no employment or labor income generated in the owner-occupied dwellings sector, as the employment positions such as property managers and real estate agents is captured in the other real estate sector.

The employment and payroll of local govt, education sector supported the greatest number of jobs by a good margin at 7,163. These are primary teaching positions but include administrative positions, bus drivers and cafeteria workers.



Key Stats

Population 288,744

Total of 354 Industries

Total Employment 163,181

Gross Domestic Product \$13.4B

Data retrieved from IMPLAN
(2018 & 2019 data)

Table 1: Top 10 Industry Sectors by Total Output

Industry Description	Output	Total Employment	Average Employee Compensation
Motor vehicle gasoline engine and engine parts manufacturing	\$1,178,502,612	1,839	\$111,941
Owner-occupied dwellings	\$1,133,165,854	N/A	N/A
Air conditioning, refrigeration, and warm air heating equipment manufacturing	\$908,835,619	2,136	\$92,863
Other motor vehicle parts manufacturing	\$855,773,541	1,851	\$72,755
Truck transportation	\$716,380,186	4,473	\$67,721
Other real estate	\$688,286,822	4,633	\$42,395
Monetary authorities and depository credit intermediation	\$571,548,257	1,290	\$61,278
* Employment and payroll of local govt, education	\$570,145,429	7,163	\$69,547
Plastics packaging materials and unlaminated film and sheet mfg	\$488,020,304	1,107	\$65,325
Frozen specialties manufacturing	\$463,891,133	1,349	\$56,087



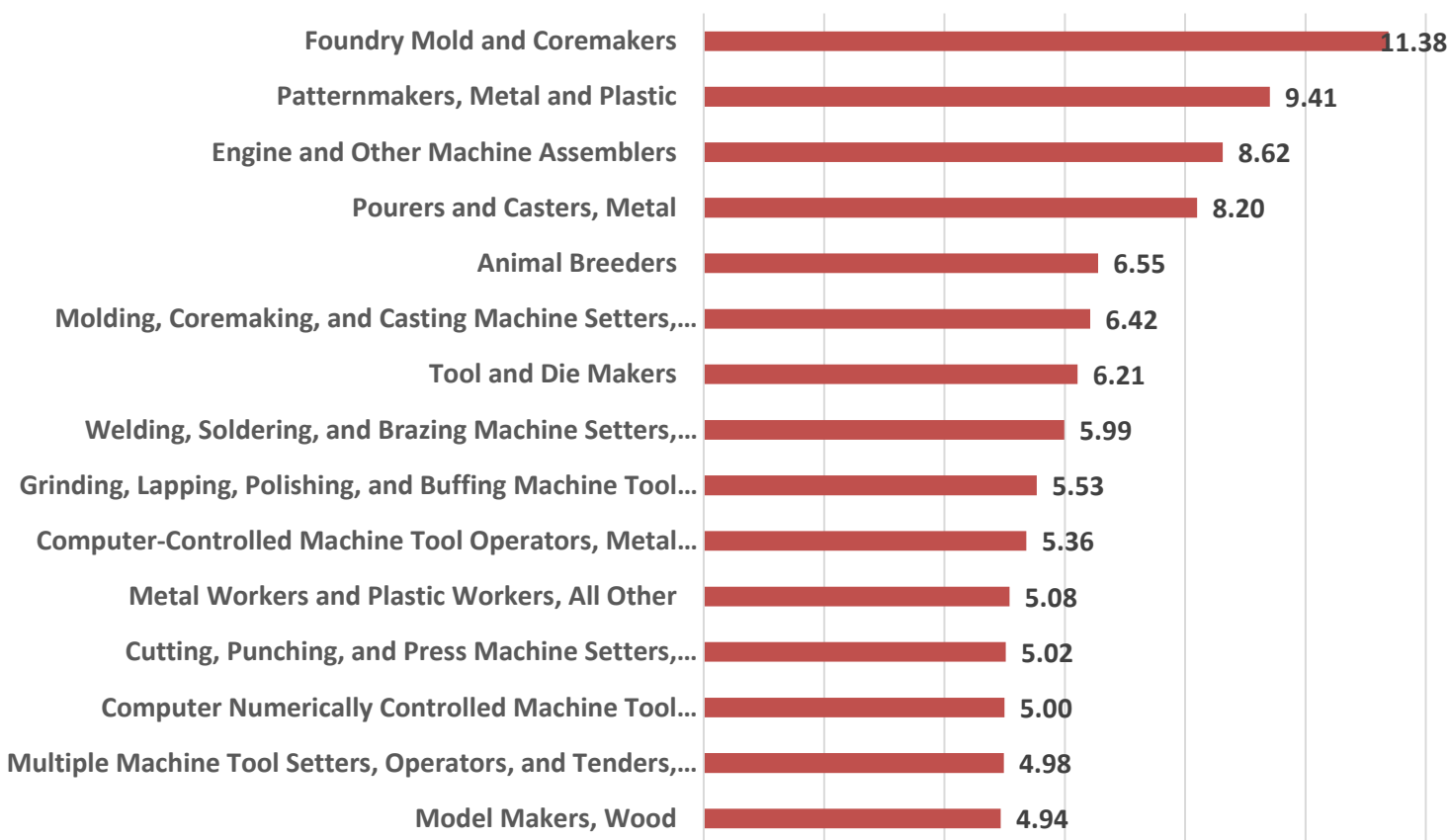
Top 15 Occupations by Location Quotient

The chart below ranks the top 15 occupations by location quotient (LQ) in Area 11. An LQ is a measure of the concentration of workers in an industry sector relative to workers nationally in the same sector. An LQ of 1 is equal to the national average, with an LQ of 2 being double the national average. For example, with an LQ of over 11 for foundry mold and coremaker positions, this five-county area has eleven times the number of workers in that occupation than in the average area. This also means that the region has almost 10 times the number of exactly five times the number of computer numerically controlled machine tool operator, metal and plastic positions.

Where there is an occupational concentration, there also tends to be higher core competencies relative to other areas, creating a competitive advantage. In addition, training and education opportunities associated with the occupation are often readily available to meet hiring demands. Thirteen of the fifteen occupations are situated in the primary metal manufacturing sector primarily engaged in smelting or refining ferrous and nonferrous metals, using electrometallurgical and other process techniques. These occupations are typically highly skilled and align with manufacturing sectors included in the top ten industry sectors listed on page #1, including motor vehicle parts manufacturing and HAVC equipment manufacturing sectors.

The occupation of animal breeder ranks number five in Area 11 with an LQ of 6.55. This is consistent with the area's high concentration of dairy and other livestock farming. The industry continues to grow within Area 11 with the addition in 2019 of MVP Dairy, a 4,500 cow, state-of-the-art dairy that supplies milk to Danone North America, maker of Dannon yogurt.

Chart 1: Occupation Location Quotient



OSU Extension Community Development IMPLAN Team

Nancy Bowen-Ellzey, Associate Professor and Field Specialist (bowen-ellzey.1@osu.edu)

Joe Lucente, Associate Professor, OSU Extension, CD, and Ohio Sea Grant College Program (lucente.6@osu.edu)

Amanda Osborne, Educator, CD, OSU Extension – Cuyahoga County (osborne.414@osu.edu)

Eric Romich, Associate Professor and Field Specialist (romich.2@osu.edu)

Gwynn Stewart, Educator, CD, OSU Extension – Noble County (stewart.1818@osu.edu)

OSU Extension Community Development Mission:

We help communities enhance their well-being and create social, economic and environmental conditions in which they can thrive.

comdev.osu.edu