



Industry Spotlight

CLEX - Food and Beverage Processing

Greater Lexington Bluegrass Alliance Region



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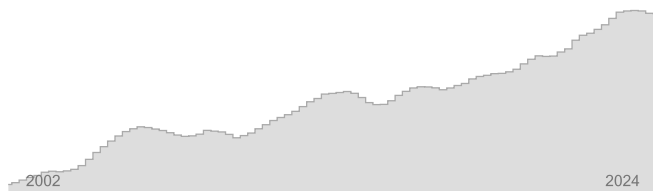
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Spotlight Summary

CLEX - Food and Beverage Processing
Greater Lexington Bluegrass Alliance Region – 2024Q1

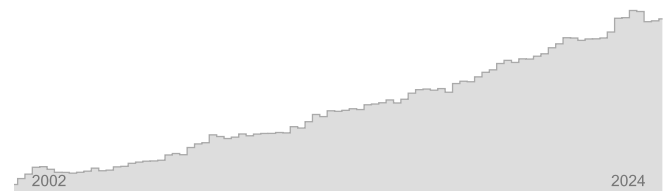
EMPLOYMENT



4,692

Regional employment / **1,313,900** in the nation

WAGES



\$53,997

Avg Wages per Worker / **\$64,934** in the nation

2.8% ↑

Avg Ann % Change Last 10 Years / **+2.5%** in the U.S.



1.2%

% of Total Employment / **0.8%** in the U.S.

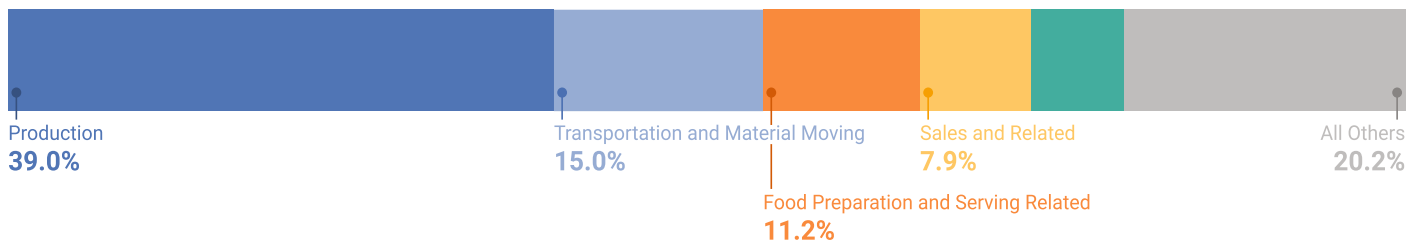


2.6% ↑

Avg Ann % Change Last 10 Years / **+2.4%** in the U.S.



TOP OCCUPATION GROUPS



TOP INDUSTRIES

Avg Ann % Change in Employment, Last 10 Years

6.3% ↑



Distilleries

-1.2% ↓



Frozen Specialty Food Manufacturing

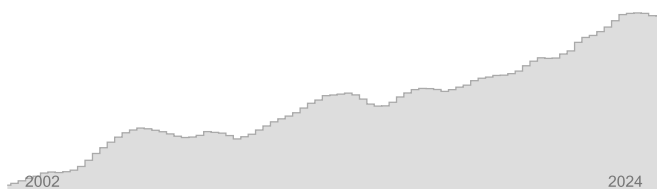
2.9% ↑



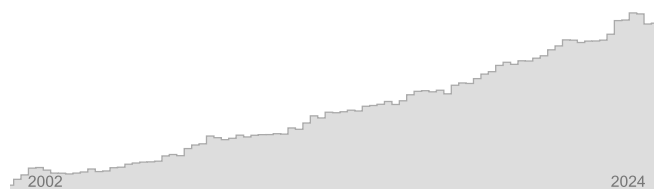
Soft Drink Manufacturing

Industry Snapshot


EMPLOYMENT



WAGES

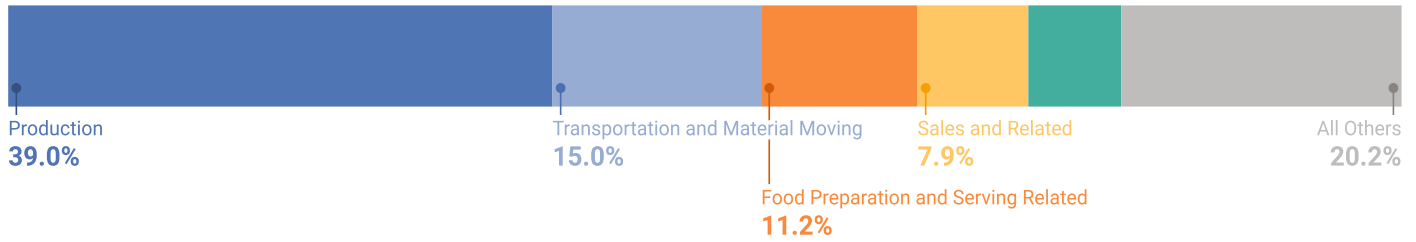


6-Digit Industry	Empl	Avg Ann Wages	LQ	5yr History	Annual Demand	Forecast Ann Growth
Distilleries	1,276	\$62,023	20.18		174	1.1%
Frozen Specialty Food Manufacturing	869	\$39,866	5.76		100	0.3%
Soft Drink Manufacturing	558	\$56,164	2.94		75	0.9%
Other Animal Food Manufacturing	522	\$58,484	5.91		62	1.2%
Breweries	350	\$37,971	1.35		47	0.8%
Roasted Nuts and Peanut Butter Manufacturing	315	\$71,039	7.98		41	1.4%
Fluid Milk Manufacturing	185	\$57,812	1.42		22	0.2%
Cookie and Cracker Manufacturing	181	\$45,924	2.02		25	0.5%
Confectionery Manufacturing from Purchased Chocolate	111	\$38,938	1.43		14	0.2%
Bottled Water Manufacturing	58	\$57,723	1.15		8	1.5%
Remaining Component Industries	267	\$48,029	0.19		33	0.5%
CLEX - Food and Beverage Processing	4,692	\$53,997	1.53		601	0.8%

 Employment is one of the broadest and most timely measures of a region's economy. Fluctuations in the number of jobs shed light on the health of an industry. A growing employment base creates more opportunities for regional residents and helps a region grow its population.

 Since wages and salaries generally compose the majority of a household's income, the annual average wages of a region affect its average household income, housing market, quality of life, and other socioeconomic indicators.

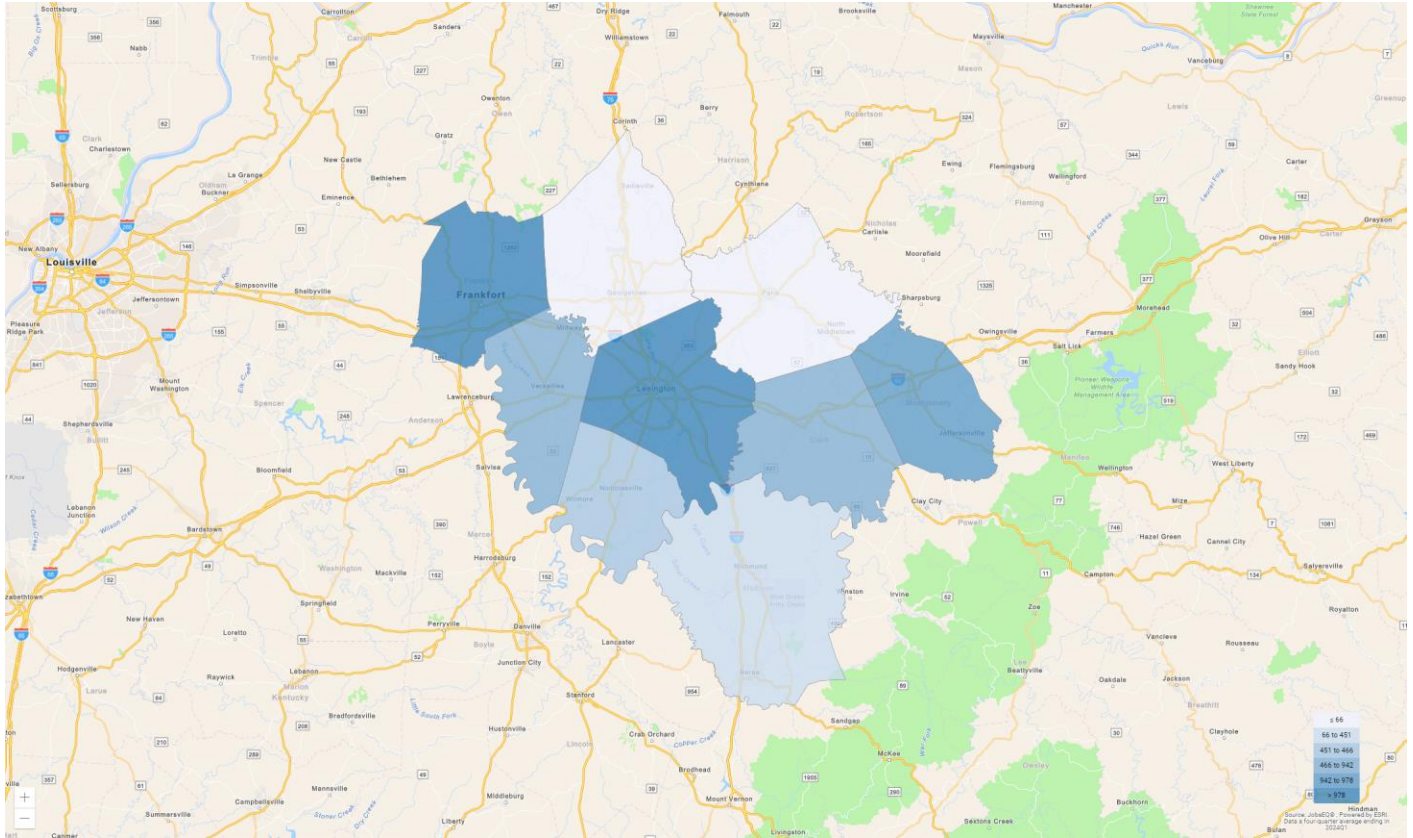
Staffing Pattern



6-digit Occupation	Empl	Avg Ann Wages	Annual Demand
Packaging and Filling Machine Operators and Tenders	626	\$47,500	72
Food Batchmakers	300	\$44,100	49
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	252	\$53,100	26
Bartenders	200	\$33,900	38
Laborers and Freight, Stock, and Material Movers, Hand	193	\$41,900	27
First-Line Supervisors of Production and Operating Workers	171	\$72,300	18
Industrial Truck and Tractor Operators	125	\$46,600	14
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	124	\$67,900	13
Waiters and Waitresses	115	\$32,700	26
General and Operations Managers	110	\$90,700	10
Remaining Component Occupations	2,456	\$58,200	316
Total	4,672		

 The mix of occupations points to the ability of a region to support an industry and its flexibility to adapt to future demand. Industry wages are a component of the cost of labor for regional employers.

Geographic Distribution



Region	Empl	Region	Empl
Fayette County, Kentucky	1,192	Jessamine County, Kentucky	451
Franklin County, Kentucky	979	Madison County, Kentucky	67
Montgomery County, Kentucky	943	Scott County, Kentucky	44
Clark County, Kentucky	540	Bourbon County, Kentucky	11
Woodford County, Kentucky	467		

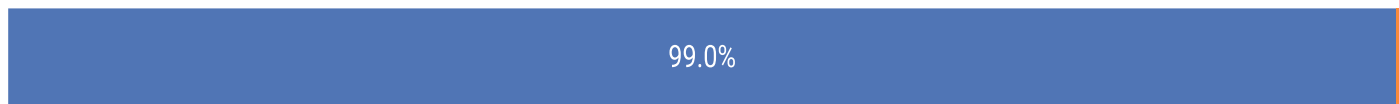
Source: JobsEQ®

 The geographic distribution of industry employment by place of work illustrates the impact on labor force demand and commuting patterns.

Employment Distribution by Type

The table below shows the employment mix by ownership type for CLEX - Food and Beverage Processing for the Greater Lexington Bluegrass Alliance Region. Four of these ownership types — federal, state, and local government and the private sector — together constitute “Covered Employment” (employment covered by the Unemployment Insurance programs of the United States and reported via the Quarterly Census of Employment and Wages).

“Self-Employment” refers to unincorporated self-employment and represents workers whose primary job is self-employment (that is, these data do not include workers whose primary job is a wage-and-salary position that is supplemented with self-employment).



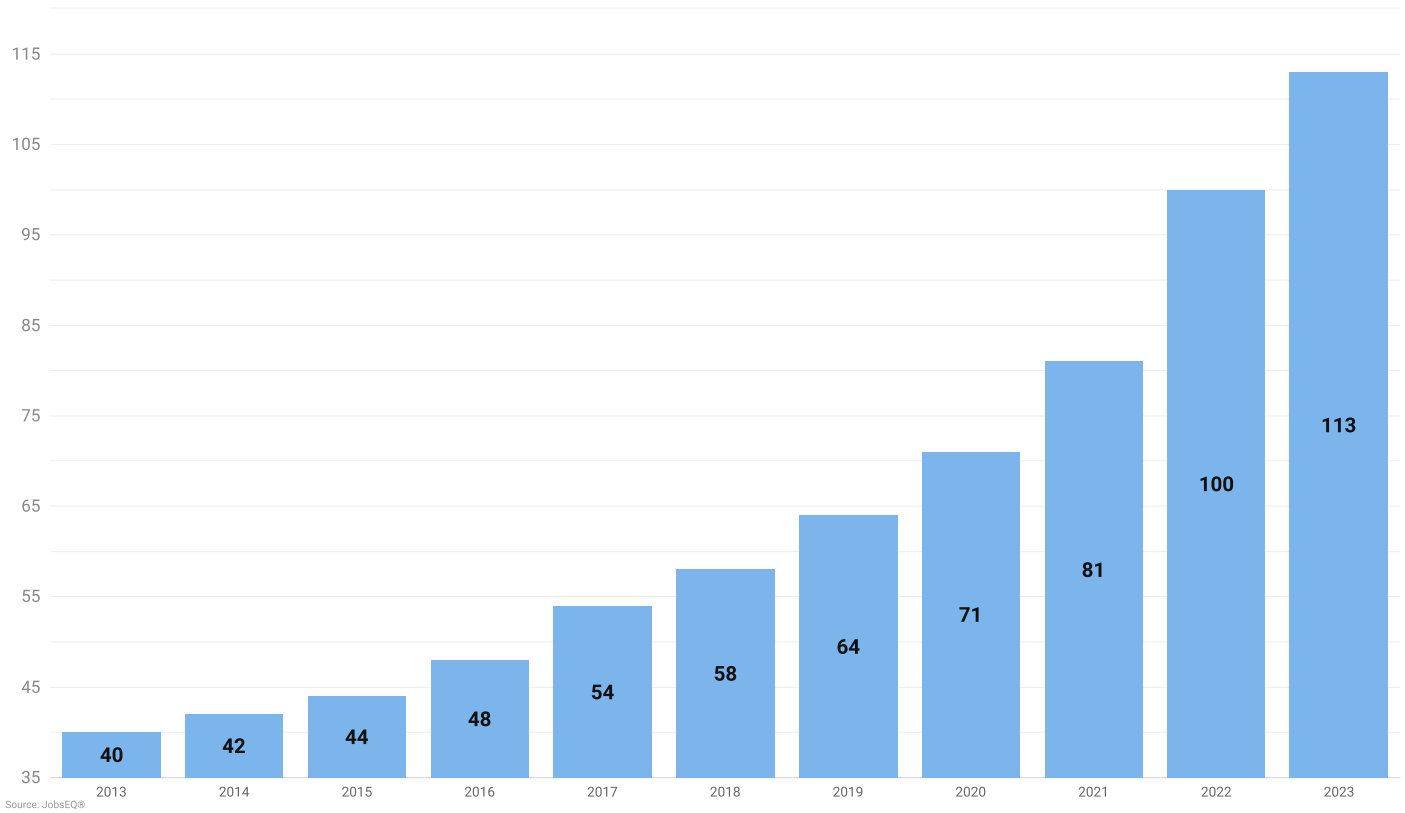
	Empl	%
Private	4,646	99.0%
Self-Employment	46	1.0%


Source: JobsEQ®

 Strong entrepreneurial activity is indicative of growing industries. Using self-employment as a proxy for entrepreneurs, a higher share of self-employed individuals within a regional industry points to future growth.

Establishments

In 2023, there were 113 CLEX - Food and Beverage Processing establishments in the Greater Lexington Bluegrass Alliance Region (per covered employment establishment counts), an increase from 40 establishments ten years earlier in 2013.

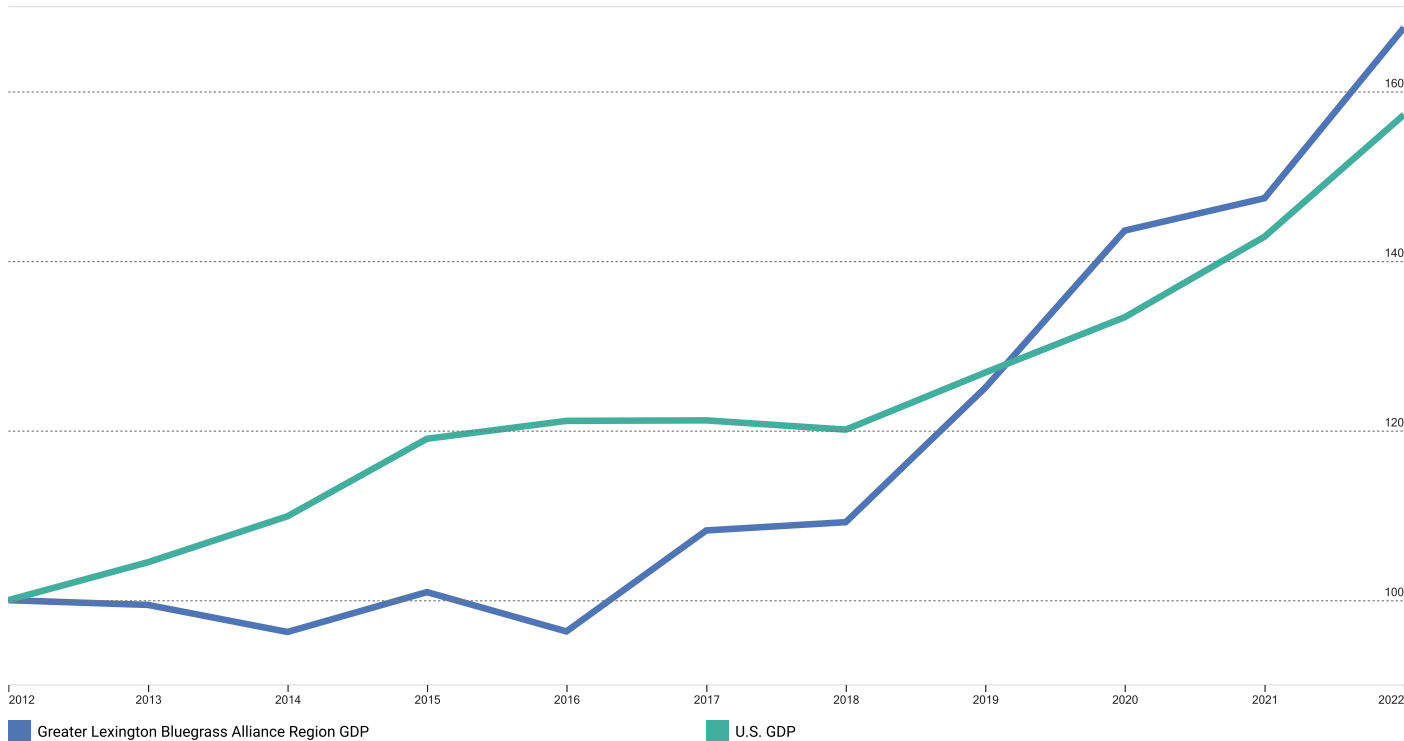


 New business formations are an important source of job creation in a regional economy, spurring innovation and competition, and driving productivity growth. Establishment data can provide an indicator of growth in businesses by counting each single location (such as a factory or a store) where business activity takes place, and with at least one employee.

GDP & Productivity

In 2022, CLEX - Food and Beverage Processing produced \$1.1 billion in GDP for the Greater Lexington Bluegrass Alliance Region.

GDP: Indexed 2012 = 100



2.4 %

Industry Share of Total GDP /
0.9 % in the nation



5.3 % ↑

Avg Ann % Change Last 10 Yrs /
4.6 % in the nation



\$660k

Output per Worker /
\$810k in the nation



💡 Gross domestic product (GDP) is the most comprehensive measure of regional economic activity, and an industry's contribution to GDP is an important indicator of regional industry strength. It is a measure of total value-added to a regional economy in the form of labor income, proprietor's income, and business profits, among others. GDP values shown on this page are nominal GDP data.

💡 Growth in productivity (output per worker) leads to increases in wealth and higher average standards of living in a region.

Supply Chain: Top Suppliers

As of 2024Q1, CLEX - Food and Beverage Processing in the Greater Lexington Bluegrass Alliance Region are estimated to make \$1.8 billion in annual purchases from suppliers in the United States with about 25% or \$0.5 billion of these purchases being made from businesses located in the Greater Lexington Bluegrass Alliance Region.



6-digit Supplier Industries	Purchases from In-Region (\$M)	Purchases from Out-of-Region (\$M)
Distilleries	\$84.2	<\$0.1
Crop Production (Proprietors)	\$35.1	\$41.5
Corporate, Subsidiary, and Regional Managing Offices	\$15.4	\$32.9
Soybean and Other Oilseed Processing	\$8.0	\$34.7
Residential Property Managers	\$5.5	\$31.0
Remaining Supplier Industries	\$303.0	\$1,238.9
Total	\$451.3	\$1,379.0

 Supplier-buyer networks can indicate local linkages between industries, regional capacity to support growth in an industry, and potential leakage of sales out of the region.

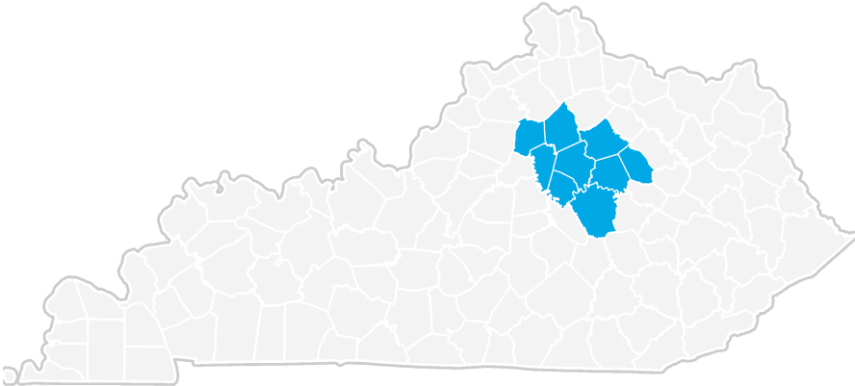
Postsecondary Programs Linked to CLEX - Food and Beverage Processing

Program	Awards
Bluegrass Community and Technical College	
Executive Assistant/Executive Secretary	155
Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician	106
Industrial Mechanics and Maintenance Technology/Technician	333
Eastern Kentucky University	
Fashion Merchandising	13
Industrial Safety Technology/Technician	120
University of Kentucky	
Biology/Biological Sciences, General	184
Business/Commerce, General	484
History, General	51
Marketing/Marketing Management, General	383
Zymology/Fermentation Science	62

Source: [JobsEQ®](#)

-  The number of graduates from postsecondary programs in the region identifies the pipeline of future workers as well as the training capacity to support industry demand.
-  Among postsecondary programs at schools located in the Greater Lexington Bluegrass Alliance Region, the sampling above identifies those most linked to occupations relevant to CLEX - Food and Beverage Processing. For a complete list see JobsEQ®, <http://www.chmuraecon.com/jobseq>

Greater Lexington Bluegrass Alliance Region Regional Map



Data Notes

- Industry employment and wages (including total regional employment and wages) are as of 2024Q1 and are based upon BLS QCEW data, imputed by Chmura where necessary, and supplemented by additional sources including Census ZBP data. Employment forecasts are modeled by Chmura and are consistent with BLS national-level 10-year forecasts.
- Occupation employment is as of 2024Q1 and is based on industry employment and local staffing patterns calculated by Chmura and utilizing BLS OEWS data. Wages by occupation are as of 2024, utilizing BLS OEWS data and imputed by Chmura.
- GDP is derived from BEA data and imputations by Chmura. Productivity (output per worker) is calculated by Chmura using industry employment and wages as well as GDP and BLS output data. Supply chain modeling including purchases by industry are developed by Chmura.
- Postsecondary awards are per the NCES and are for the 2021-2022 academic year.
- Establishment counts are per the BLS QCEW data.
- Figures may not sum due to rounding.

Industry Definition

CLEX - Food and Beverage Processing is defined as the following NAICS industries:

Code	Description
311111	Dog and Cat Food Manufacturing
311119	Other Animal Food Manufacturing
311211	Flour Milling
311212	Rice Milling
311213	Malt Manufacturing
311221	Wet Corn Milling and Starch Manufacturing
311224	Soybean and Other Oilseed Processing
311225	Fats and Oils Refining and Blending
311230	Breakfast Cereal Manufacturing
311313	Beet Sugar Manufacturing
311314	Cane Sugar Manufacturing
311340	Nonchocolate Confectionery Manufacturing
311351	Chocolate and Confectionery Manufacturing from Cacao Beans
311352	Confectionery Manufacturing from Purchased Chocolate
311411	Frozen Fruit, Juice, and Vegetable Manufacturing
311412	Frozen Specialty Food Manufacturing
311421	Fruit and Vegetable Canning
311422	Specialty Canning
311423	Dried and Dehydrated Food Manufacturing
311511	Fluid Milk Manufacturing
311512	Creamery Butter Manufacturing
311513	Cheese Manufacturing
311514	Dry, Condensed, and Evaporated Dairy Product Manufacturing
311520	Ice Cream and Frozen Dessert Manufacturing
311813	Frozen Cakes, Pies, and Other Pastries Manufacturing
311821	Cookie and Cracker Manufacturing
311824	Dry Pasta, Dough, and Flour Mixes Manufacturing from Purchased Flour
311830	Tortilla Manufacturing
311911	Roasted Nuts and Peanut Butter Manufacturing
311919	Other Snack Food Manufacturing
311920	Coffee and Tea Manufacturing
311930	Flavoring Syrup and Concentrate Manufacturing
311941	Mayonnaise, Dressing, and Other Prepared Sauce Manufacturing
311942	Spice and Extract Manufacturing
311991	Perishable Prepared Food Manufacturing
311999	All Other Miscellaneous Food Manufacturing
312111	Soft Drink Manufacturing
312112	Bottled Water Manufacturing
312113	Ice Manufacturing
312120	Breweries
312130	Wineries
312140	Distilleries
327213	Glass Container Manufacturing
424510	Grain and Field Bean Merchant Wholesalers

Region Definition

Greater Lexington Bluegrass Alliance Region is defined as the following counties:

Bourbon County, Kentucky

Clark County, Kentucky

Fayette County, Kentucky

Franklin County, Kentucky

Jessamine County, Kentucky

Madison County, Kentucky

Montgomery County, Kentucky

Scott County, Kentucky

Woodford County, Kentucky

FAQ

What is (LQ) location quotient?

Location quotient is a measurement of concentration in comparison to the nation. An LQ of 1.00 indicates a region has the same concentration of an industry (or occupation) as the nation. An LQ of 2.00 would mean the region has twice the expected employment compared to the nation and an LQ of 0.50 would mean the region has half the expected employment in comparison to the nation.

What is annual demand?

Annual demand is a of the sum of the annual projected growth demand and separation demand. Separation demand is the number of jobs required due to separations—labor force exits (including retirements) and turnover resulting from workers moving from one occupation into another. Note that separation demand does not include all turnover—it does not include when workers stay in the same occupation but switch employers. Growth demand is the increase or decrease of jobs expected due to expansion or contraction of the overall number of jobs.

What is the difference between industry wages and occupation wages?

Industry wages and occupation wages are estimated via separate data sets, often the time periods being reported do not align, and wages are defined slightly differently in the two systems (for example, certain bonuses are included in the industry wages but not the occupation wages). It is therefore common that estimates of the average industry wages and average occupation wages in a region do not match exactly.