A PROFILE OF LINCOLN’S LIFE SCIENCES AND AGRICULTURE INDUSTRY CLUSTER
A Profile of Lincoln’s Life Sciences and Agriculture Industry Cluster

Final Report, 2017

Prepared for the Lincoln Partnership for Economic Development

Prepared by: Dr. Eric Thompson

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Bureau of Business Research
Department of Economics
College of Business
University of Nebraska—Lincoln
Dr. Eric Thompson, Director
A Profile of Lincoln’s Life Sciences and Agriculture Cluster

Introduction

The life sciences and agriculture sectors encompass a broad spectrum of industries and technology-partnerships, ranging from industrial-agricultural technology research to organic agriculture to final-product food processing. Life sciences is a capital-intensive, highly-technical, highly-skilled industry. Food processing is also a high-valued added agricultural industry. Lincoln, Nebraska is an ideal location for such businesses due to its highly educated workforce, low labor costs, low cost of living, low traffic congestion costs, business friendly environment, and university research facilities.

Why Lincoln?

Lincoln, a centrally-located metropolitan area of 330,000, is well positioned to cultivate this industry through its highly educated workforce\(^1\), existing agriculture-related biotech presence, extensive university research and outstanding quality of life.

Education Attainment, Age 25 and Over
Lincoln Metropolitan Area, 2015

![Graph 1](image)

Lincoln offers the ambiance of a friendly small town and the amenities, attractions and entertainment opportunities of a major metropolitan area. Lincoln is both the **state capital and home to the flagship campus of the University of Nebraska**; as a result it provides a greater range of offerings than might be expected in a community of its size. Efficient transportation, a stable business environment, advanced health-care technology and an excellent educational system are just a few of the reasons why **Lincoln ranks highly in livability studies**. As described in the pages that follow, Lincoln has significant costs advantages in terms of cost-of-living, wages, space costs and other business costs. **Lincoln’s strengths in agriculture and animal sciences and its research centers dedicated to food processing make the city a natural fit for the life sciences and agriculture industries. In particular Lincoln benefits from the significant food science**

\(^1\) U.S. Census Bureau, 2015 American Community Survey (1-year Estimates), Table S1501.
A Profile of Lincoln’s Life Sciences and Agriculture Cluster

presence at the University of Nebraska-Lincoln (UNL). Areas of excellence include bioinformatics, plant genomics, and entrepreneurship; all central pillars of strong food processing and agriculture industries. A number of local firms stem from research conducted at UNL. In addition, UNL graduates hundreds of agriculture, agribusiness, engineering and life sciences students per year—individuals who are ideal professionals for the agricultural products industry.

Cost Comparisons

Lincoln’s cost of living compares favorably with the comparison metropolitan areas nationwide.²

Cost of Living Composite Index, Q3 2016

<table>
<thead>
<tr>
<th>City</th>
<th>Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chicago</td>
<td>117.6</td>
</tr>
<tr>
<td>Minneapolis</td>
<td>104.8</td>
</tr>
<tr>
<td>Cedar Rapids</td>
<td>97.5</td>
</tr>
<tr>
<td>Kansas City</td>
<td>94.1</td>
</tr>
<tr>
<td>Lincoln</td>
<td><strong>93.1</strong></td>
</tr>
<tr>
<td>Indianapolis</td>
<td>91.5</td>
</tr>
<tr>
<td>Des Moines</td>
<td>90.5</td>
</tr>
<tr>
<td>St. Louis</td>
<td>89.7</td>
</tr>
</tbody>
</table>

Base = 100, National Average


University of Nebraska, Bureau of Business Research report, prepared for the Lincoln Partnership for Economic Development; http://www.selectlincoln.org/; July 26, 2017
In addition to Lincoln’s exceptional amenities and educated workforce, Lincoln has the lowest combined industrial manufacturing space costs among comparison metropolitan areas. Rent costs are presented below for industrial properties.

Lincoln also ranks amongst the lowest with regard to relative wage costs. This completes a perfect combination of unique amenities, low cost of living, and an attractive business environment through a highly educated workforce, and low costs of industrial space and employment. Finally, Lincoln also has truly unique access to raw materials for food processing. Nebraska and surrounding states are able to supply food processors with the raw materials that make the Midwest, and particularly Lincoln, a logical choice for locating their operations. In addition to being a large corn producing region, Nebraska counties produce much of the country’s beef, wheat, soybeans, and other vital raw materials for food processing.

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3 LoopNet Real Estate Research, http://www.loopnet.com
We provide detailed salary information for selected advanced manufacturing occupations in Table 1 on the next page. The average unemployment insurance tax rate on taxable wages, average price for industrial gas per thousand cubic feet, industrial electric service typical industrial bill, and top state corporate income tax rate can be found on page 6. Lincoln is among the three lowest cost metro areas among comparison cities for average unemployment insurance tax rate, price for industrial gas, and typical industrial electric bill service rates.
# A Profile of Lincoln’s Life Sciences and Agriculture Cluster

## Life Sciences and Agriculture - Average Annual Salary, Lincoln MSA, Q1 2017

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Annual Salary</th>
<th>Entry</th>
<th>Median</th>
<th>Experienced</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL ALL OCCUPATIONS</td>
<td></td>
<td>$22,310</td>
<td>$36,498</td>
<td>$56,762</td>
</tr>
<tr>
<td>MANAGEMENT OCCUPATIONS</td>
<td></td>
<td>$52,468</td>
<td>$85,843</td>
<td>$126,177</td>
</tr>
<tr>
<td>Industrial Production Managers</td>
<td></td>
<td>$65,490</td>
<td>$94,511</td>
<td>$112,091</td>
</tr>
<tr>
<td>BUSINESS AND FINANCIAL OPERATIONS OCCUPATIONS</td>
<td></td>
<td>$35,225</td>
<td>$56,087</td>
<td>$75,363</td>
</tr>
<tr>
<td>Logisticians</td>
<td></td>
<td>$47,392</td>
<td>$68,526</td>
<td>$82,175</td>
</tr>
<tr>
<td>ARCHITECTURE AND ENGINEERING OCCUPATIONS</td>
<td></td>
<td>$42,967</td>
<td>$66,441</td>
<td>$84,871</td>
</tr>
<tr>
<td>Industrial Engineers</td>
<td></td>
<td>$65,215</td>
<td>$82,284</td>
<td>$92,347</td>
</tr>
<tr>
<td>LIFE, PHYSICAL AND SOCIAL SCIENCE OCCUPATIONS</td>
<td></td>
<td>$34,710</td>
<td>$51,345</td>
<td>$67,784</td>
</tr>
<tr>
<td>Chemists</td>
<td></td>
<td>$50,208</td>
<td>$71,495</td>
<td>$91,696</td>
</tr>
<tr>
<td>OFFICE AND ADMINISTRATIVE SUPPORT OCCUPATIONS</td>
<td></td>
<td>$22,669</td>
<td>$32,289</td>
<td>$40,873</td>
</tr>
<tr>
<td>Production, Planning, and Expediting Clerks</td>
<td></td>
<td>$37,135</td>
<td>$48,647</td>
<td>$56,561</td>
</tr>
<tr>
<td>Shipping, Receiving, and Traffic Clerks</td>
<td></td>
<td>$27,294</td>
<td>$34,664</td>
<td>$39,737</td>
</tr>
<tr>
<td>FARMING, FISHING, AND FORESTRY OCCUPATIONS</td>
<td></td>
<td>$22,656</td>
<td>$37,272</td>
<td>$49,839</td>
</tr>
<tr>
<td>Farmworkers and Laborers, Crop, Nursery, and Greenhouse</td>
<td></td>
<td>$21,904</td>
<td>$23,095</td>
<td>$25,702</td>
</tr>
<tr>
<td>INSTALLATION, MAINTENANCE, AND REPAIR OCCUPATIONS</td>
<td></td>
<td>$29,317</td>
<td>$44,516</td>
<td>$56,076</td>
</tr>
<tr>
<td>Bus and Truck Mechanics and Diesel Engine Specialists</td>
<td></td>
<td>$32,804</td>
<td>$49,213</td>
<td>$57,771</td>
</tr>
<tr>
<td>Industrial Machinery Mechanics</td>
<td></td>
<td>$39,750</td>
<td>$50,860</td>
<td>$57,270</td>
</tr>
<tr>
<td>PRODUCTION OCCUPATIONS</td>
<td></td>
<td>$24,736</td>
<td>$38,305</td>
<td>$47,492</td>
</tr>
<tr>
<td>First-Line Supervisors of Production and Operating Workers</td>
<td></td>
<td>$39,782</td>
<td>$58,927</td>
<td>$73,176</td>
</tr>
<tr>
<td>Inspectors Testers Sorters Samplers and Weighers</td>
<td></td>
<td>$30,059</td>
<td>$46,531</td>
<td>$56,274</td>
</tr>
<tr>
<td>Packaging and Filling Machine Operators and Tenders</td>
<td></td>
<td>$25,241</td>
<td>$30,165</td>
<td>$36,558</td>
</tr>
<tr>
<td>TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS</td>
<td></td>
<td>$23,625</td>
<td>$36,854</td>
<td>$49,502</td>
</tr>
<tr>
<td>Industrial Truck and Tractor Operators</td>
<td></td>
<td>$27,464</td>
<td>$37,490</td>
<td>$44,176</td>
</tr>
</tbody>
</table>

Source: https://neworks.nebraska.gov/ Historical Data Analysis: Emp. and Wage Data, Occupation Data, Occupational Wage Rates (OES)

Table 1
## Selected Business Costs for Life Sciences and Agriculture Industry

*(Three Lowest Cost Metro Areas Listed in Bold)*

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Lincoln</td>
<td>1.26%</td>
<td>Yes</td>
<td>$4.56</td>
<td>$2,667, $29,969</td>
<td>7.81%</td>
</tr>
<tr>
<td>Des Moines</td>
<td>1.26%</td>
<td>Yes</td>
<td>$5.28</td>
<td>$3,081, $23,013</td>
<td>12.00%</td>
</tr>
<tr>
<td>Indianapolis</td>
<td>2.52%</td>
<td>Yes</td>
<td>$6.36</td>
<td>$3,896, $33,161</td>
<td>6.25%</td>
</tr>
<tr>
<td>Kansas City</td>
<td>2.00%</td>
<td>Yes</td>
<td>$7.58</td>
<td>$3,681, $36,440</td>
<td>6.25%</td>
</tr>
<tr>
<td>St. Louis</td>
<td>2.00%</td>
<td>Yes</td>
<td>$7.58</td>
<td>$3,573, $30,409</td>
<td>6.25%</td>
</tr>
<tr>
<td>Minneapolis/St. Paul</td>
<td>1.50%</td>
<td>No</td>
<td>$4.87</td>
<td>$3,761, $35,085</td>
<td>9.80%</td>
</tr>
<tr>
<td>Cedar Rapids</td>
<td>1.26%</td>
<td>Yes</td>
<td>$5.28</td>
<td>$3,059, $30,709</td>
<td>12.00%</td>
</tr>
<tr>
<td>Chicago</td>
<td>3.38%</td>
<td>No</td>
<td>$5.47</td>
<td>$4,155, $34,803</td>
<td>7.75%</td>
</tr>
</tbody>
</table>

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[1] For metropolitan areas located in multiple states (Chicago, Kansas City, and Minneapolis/St. Paul), the state averages from the state where the metropolitan areas’ economic activity is concentrated are utilized (Illinois, Missouri, and Minnesota, respectively).

[2] Tax may be eligible for use of credits earned in state incentive program.

Sources:
C. US Energy Information Administration, Natural Gas, for Average Industrial Price, http://www.eia.gov/dnav/ng/ng_sum_lsum_a_EPG0_PIN_DMCf_a.htm

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Table 2
A Profile of Lincoln’s Life Sciences and Agriculture Cluster

Education Resources

Lincoln’s Life Sciences and Agriculture sector benefits from the vast array of programs that support the development of a specialized workforce for this industry.

The University of Nebraska-Lincoln (UNL), Union College, Nebraska Wesleyan University, Concordia University, and Doane College all provide biology and chemistry programs. While UNL is certainly the backbone of agricultural and food science research and education in Lincoln, there are many institutions that offer 2-year and 4-year degree programs in this field: Concordia College, Doane College, Nebraska Wesleyan University, Southeast Community College, and Union College.

In 2016 alone, the colleges and universities in Lincoln graduated nearly 921 students with bachelor’s degrees in majors related to this sector, and 121 with post-graduate degrees.

<table>
<thead>
<tr>
<th>Bachelor’s Degrees Awarded</th>
<th>Concordia University</th>
<th>Doane University</th>
<th>Kaplan Uni.</th>
<th>Nebraska Wesleyan Uni.</th>
<th>Peru State Comm. College</th>
<th>UNL</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agricultural Business and Management, General</td>
<td>90</td>
<td>50</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>140</td>
</tr>
<tr>
<td>Agricultural Economics</td>
<td>43</td>
<td>43</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>86</td>
</tr>
<tr>
<td>Agricultural/Biological/Biosystems Engineering</td>
<td>44</td>
<td>44</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>88</td>
</tr>
<tr>
<td>Agricultural Mechanization, General</td>
<td>27</td>
<td>27</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>54</td>
</tr>
<tr>
<td>Agriculture, General</td>
<td>15</td>
<td>15</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>30</td>
</tr>
<tr>
<td>Agronomy and Crop Science</td>
<td>49</td>
<td>49</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>98</td>
</tr>
<tr>
<td>Animal Sciences, General</td>
<td>95</td>
<td>95</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>190</td>
</tr>
<tr>
<td>Biochemistry</td>
<td>6</td>
<td>9</td>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td>25</td>
</tr>
<tr>
<td>Biology/Biological Sciences, General</td>
<td>25</td>
<td>24</td>
<td>36</td>
<td>5</td>
<td></td>
<td>2</td>
<td>105</td>
</tr>
<tr>
<td>Chemical Engineering</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>32</td>
<td>32</td>
</tr>
<tr>
<td>Chemistry, General</td>
<td>3</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
<td>14</td>
<td>19</td>
</tr>
<tr>
<td>Foods, Nutrition, and Wellness Studies, General</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>135</td>
<td>135</td>
</tr>
<tr>
<td>Food Science</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>17</td>
<td>17</td>
</tr>
<tr>
<td>Horticultural Science</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>18</td>
<td>18</td>
</tr>
<tr>
<td>Range Science and Management</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>28</strong></td>
<td><strong>30</strong></td>
<td><strong>0</strong></td>
<td><strong>46</strong></td>
<td><strong>15</strong></td>
<td><strong>90</strong></td>
<td><strong>709</strong></td>
</tr>
</tbody>
</table>

A: Associates Degrees; B: Associates and Bachelors Degrees; C: Certificate Program.
Source: http://nces.ed.gov/collegenavigator/

Table 3
### A Profile of Lincoln’s Life Sciences and Agriculture Cluster

#### Table 4

<table>
<thead>
<tr>
<th>Post Graduate Degrees (M.A. &amp; Ph.D.) Awarded</th>
<th>Doane University</th>
<th>UNL</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agricultural Economics</td>
<td>9</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>Agronomy and Crop Science</td>
<td>26</td>
<td>26</td>
<td>26</td>
</tr>
<tr>
<td>Animal Sciences, General</td>
<td>12</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>Biochemistry</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Biology/Biological Sciences, General</td>
<td>10</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Chemical Engineering</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Chemistry, General</td>
<td>22</td>
<td>22</td>
<td>22</td>
</tr>
<tr>
<td>Foods, Nutrition, and Wellness Studies, Gen.</td>
<td>19</td>
<td>19</td>
<td>19</td>
</tr>
<tr>
<td>Food Science</td>
<td>15</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td>Horticultural Science</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>0</strong></td>
<td><strong>121</strong></td>
<td><strong>121</strong></td>
</tr>
</tbody>
</table>

A Profile of Lincoln’s Life Sciences and Agriculture Cluster

Research and Industry Services

The life science and agriculture industries benefit from research programs at the University of Nebraska-Lincoln (UNL). UNL’s extensive agricultural-research, life sciences, and food processing infrastructure include:

**Agricultural Research Division (ARD)**
The Agricultural Research Division is the major research agency of the University of Nebraska's Institute of Agriculture and Natural Resources and is Nebraska’s Agricultural Experiment Station. ARD is part of a national network of state agricultural experiment stations at Land Grant Universities across the United States. ARD scientists make important contributions to the state’s agriculture, food industries, environment, the well-being of families, and community development.

For more information, see the source of this passage: [http://ard.unl.edu](http://ard.unl.edu)

**Food Processing Center**
The Food Processing Center (FPC) at UNL serves to nurture growth and retention, as well as expansion of the food processing industry in Lincoln and surrounding communities. The FPC serves both established businesses and individuals and companies looking to enter the market. In particular, the FPC helps to ensure the successful implementation of new products into the marketplace.

The FPC provides a wide range of vital services:

*Business and Market Development*: research and evaluation of products, pricing, distribution channels and target markets; strategy development for product introduction, marketing and promotion; and assistance with electronic commerce, expansion planning and exporting.

*Product and Process Development*: development of concept, prototype and product/process specifications; assistance with line extensions and reformulations, ingredient substitution and quality improvements; scale-up from bench top; and assessment of food safety regulatory issues/requirements.

*Pilot Plant Services*: processing of fruits and vegetables, bakery items, tortillas and chips, meat and poultry; extrusion, dehydration and packaging technologies; dairy productions and research; and protein separations, purification and scale-up.

*Laboratory Services*: microbiological analysis, mold isolation and identification, and shelf-life testing; analytical and rapid methods development; nutritional analysis and labeling assistance; sensory evaluation; and food allergen residue analysis.

*Specialized Services*: Custom Processing Network; Food Entrepreneur Assistance Program; Food Allergy Research and Resource Program; and workshops and seminars.

For more information, see the source of this passage: [http://fpc.unl.edu](http://fpc.unl.edu)
A Profile of Lincoln’s Life Sciences and Agriculture Cluster

Food Allergy Research and Resource Program (FARRP)
FARRP is a cooperative venture between the University of Nebraska and more than 80 member companies, more than 30 staff members and several graduate students. FARRP develops and provides the food industry with credible information, expert opinions, tools, and services relating to allergenic foods. FARRP also provides the agricultural biotechnology industry with credible information, expert opinions, tools, and services relating to novel foods and food ingredients including genetically modified products. FARRP’s vital contribution to the food industry includes developing analytical methods for the detection of allergens in food; conducting confidential analysis for the food industry; providing training and consultation for member companies in the areas of allergens, sanitation and food safety protocols; and assisting the food industry and related companies with the regulatory aspects of allergens.

For more information, see the source of this passage: http://www.farrp.org/

Industrial Agricultural Products Center (IAPC)
Through this center, created in 1988, UNL scientists are researching and developing new industrial uses for biological materials. The broad mission of the IAPC is developing new markets for agricultural raw materials and new biobased products which can lead to a cleaner and safer environment. The IAPC provides testing and processing services to clients.

For more information, see the source of this passage: http://agproducts.unl.edu

UNL Center for Biotechnology
The Center has produced leading research on genomics, proteomics, and bioinformatics. The Center promotes research in all aspects of molecular life sciences leading to improvements in agriculture, health care and the environment. Core facilities at the Center include Bioinformatics, Genomics, Flow Cytometry, Microscopy, Plant Transformation and Proteomics & Metabolomics.

For more information, see the source of this passage: http://www.biotech.unl.edu

Organic Agriculture
Lincoln is home to the Organic Crop Improvement Association (OCIA) International a nonprofit member-owned organization that since 1985 has provided organic certification services to thousands of organic farmers, processors and handlers in North, Central and South America, Europe, Africa and Asia. OCIA’s certification process facilitates access to numerous global organic markets including those in Japan, Central America, Europe and Canada.

OCIA also facilitates connections between farmers, researchers, consumers and decision makers, and educates organic producers and local and global communities regarding organic farming and foods. The goals of OCIA’s research and education efforts include: promoting the image of organic products; identifying the needs of organic farmers and producers and facilitating the exchange on information; and supporting crop improvement and marketing efforts.

For more information, see the source of this passage: http://www.ocia.org
A Profile of Lincoln’s Life Sciences and Agriculture Cluster

Nebraska Innovation Campus (NIC)
Nebraska Innovation Campus (NIC) is a research campus designed to facilitate new and in-depth partnerships between the University of Nebraska-Lincoln (UNL) and private sector businesses. NIC is located adjacent to UNL, strategically providing access to research faculty, facilities and students. At full build-out, NIC will be a 2.2 million square foot campus with uniquely designed buildings and amenities that encourage people to create and transform ideas into global innovation. NIC aspires to be the most sustainable research and technology campus in the U.S.

For more information about NIC visit: http://innovate.unl.edu/

Engler Agribusiness Entrepreneurship Program
The Engler Agribusiness Entrepreneurship Program aims to support and encourage entrepreneurship amongst UNL students. This innovative program will facilitate entrepreneurship potential through student courses that lead to a minor, a lectureship series, entrepreneurship training camps, internship placement assistance, student travel and more. It will also help create a venture capital fund to support student startup businesses.

For more information about the Engler Entrepreneurship Program visit: http://engler.unl.edu/
Lincoln’s Life Sciences and Agriculture Industry

Lincoln’s life sciences, food processing, and agriculture industries include companies that develop and manufacture both human and animal products, conduct research and testing, produce instruments and controls, and provide specialized industry-related services. In total, Lincoln is home to dozens of life sciences, food processing, and agriculture industry firms. Many of these firms are listed below.

Note: Please check with companies for most accurate employment data.

### Food Processors

**AGP Pet Foods**  
Pet foods  
[http://www.agp.com](http://www.agp.com)

**Archer Daniels Midland (ADM) Co.**  
Soybean products, specialty food ingredients, including soy meal and oil, animal feed  
[http://www.admworld.com](http://www.admworld.com)

**Archer Daniels Midland (ADM) Milling**  
Flour, pancake mix, corn meal  
[http://www.admworld.com](http://www.admworld.com)

**Arck Foods, Inc.**  
Deli Hams  
[http://www.cedarhollowfoods.com](http://www.cedarhollowfoods.com)

**Coffee Roaster**  
Roasted coffees (packaged & bulk bags)  
[http://www.coffeeroasterlink.com](http://www.coffeeroasterlink.com)

**Colby Ridge Popcorn**  
Popcorn, caramel corn, & other flavored popcorn products  
[https://www.colbyridgepopcorn.com](https://www.colbyridgepopcorn.com)

**ConAgra Foods - Lincoln Snacks Co.**  
Food products supplier  
[www.conagra.com](http://www.conagra.com)

**Del Gould Meats Inc.**  
Beef producer  
[www.delgouldmeats.com](http://www.delgouldmeats.com)

**Empyrean Ales Brewery**  
Draft and bottled small batch specialty ales and lagers.  
[https://empyreanbrewingco.com](https://empyreanbrewingco.com)

**Grama’s, Inc.**  
Jams, jellies, fruit butters & fruit syrups  
[http://www.gramasjellies.com](http://www.gramasjellies.com)

**Heartland Gourmet**  
Frozen doughs & dry baking mixes including organic line  
[www.heartlandgourmet.com](http://www.heartlandgourmet.com)

**James Arthur Vineyards**  
Wine, processed & bottled  
[http://www.jamesarthurvineyards.com](http://www.jamesarthurvineyards.com)

**Kamterter II, LLC**  
Proprietary product development of vegetable and flower crops; seed enhancement and coating systems; chemical dispersion systems  
[http://www.kamterter.com](http://www.kamterter.com)

**Marsland Laboratories, LLC**  
Nutrition for high performance dogs & dogs with Arthritis or Hip Dysplasia  
[http://www.amaize.com](http://www.amaize.com)

**Meyer Natural Foods**  
Meat products- natural angus beef  
[www.meyernaturalangus.com](http://www.meyernaturalangus.com)
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Nature’s Variety
Dietary & treat products for pets
www.naturesvariety.com

NC+ Hybrids
Production, research and sales of pest and herbicide-resistant agricultural seeds
www.nc-plus.com

Norland International
Design, manufacture, and sales of plastic bottles, bottled water equip, and bottled water products including private label brands
www.norlandintl.com

Land O’Lakes Purina Feed, Inc.
Liquid cattle feed (hog & cattle concentrates)
www.Landolakes.com

R U Nuts Co.
Distributor of bulk & packaged nuts, candy, snack mixes & specialty coffees
www.Runutsco.com

Sensory Effects Cereal Systems
Contract manufacturer of breakfast cereals, instant & quick-cooking food ingredient grains
www.sensoryeffects.com

Shuster’s Meats
Meat & sausage products; pet foods
www.shustersmeats.com

Smithfield Foods
Ham & pork products
www.smithfield.com

Sysco
Distributor of food products
www.sysco.com

Tecumseh Poultry
Poultry processing
www.smartchicken.com

Universal Cold Storage
Cold storage & dry storage; packaging & labeling of meat products
universalpasteurization.com

Valhalla Bee Farm
Honey producer
www.valhallabeefarm.com

R&D in Life Sciences & Agriculture

AGP Grain Marketing
Agribusiness that processes, markets and transports oilseeds, grains, and related products
www.agp.com

Benchmark Biolabs
Contract vaccine, biological, and intermediates development
www.benchmarkbiolabs.com

BioStat Solutions
Provides statistical and bioinformatics expertise
www.biostatsolutions.com

Channel Bio Corp.
Seed producer for agriculture
www.channel.com

Continental Conti-Tech
Nanoparticles for toxicology, encapsulation, and tissue engineering
www.contitech.us

Epicrop Technologies Inc.
Uses advanced technology to improve crop yields
www.epicrop.com
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GeneSeek, Inc.
Contract animal DNA sequencing and genotyping
www.genomics.neogen.com

GSK Consumer Healthcare, Inc.
Human OTC pharmaceuticals
www.novartis.com

Heinke Technology, Inc.
Plastic products for pharmaceutical and medical use
www.htiplastic.com

Holland Scientific
Plant canopy sensor specifically designed to measure plant biomass under any illumination condition
www.hollandscientific.com

Huffman Engineering
Engineering services firm which specializes in control system integration
www.huffmaneng.com

Huvepharma
Pharmaceutical company with a focused developing, manufacturing and marketing human and animal health products
www.huvepharma.com

Inverse Technology, Inc.
Neuromuscular and physical therapy equipment
www.protronics.com

Li-Cor, Inc.
Proteomics, genomics, environment and agricultural instruments
www.licor.com

NanoBugs, Inc.
Microbiology/Virology animated teaching flashcards
www.nanobugs.com

Nature Technology, Inc.
DNA vector design and construction
www.natx.com

Neogen
Implements animal healthcare products, food safety solutions and more
www.careers.neogen.com

Organic Crop Improvement Association
A nonprofit that provides organic certification services and access to global organic markets
www.ocia.org

Precision Machine Company, Inc.
Agricultural & animal research lab equipment
www.pmcinc.biz

Purina Mills Inc.
Producer of animal feed
www.purinamills.com

Stanley Senior Technologies, Inc.
Alarm and door monitoring systems for the health industry
www.stanleyhealthcare.com

Teledyne ISCO, Inc.
Environmental monitoring and chemical analysis instruments
www.isco.com

Zoetis
Veterinary and animal health pharmaceuticals
www.zoetis.com