

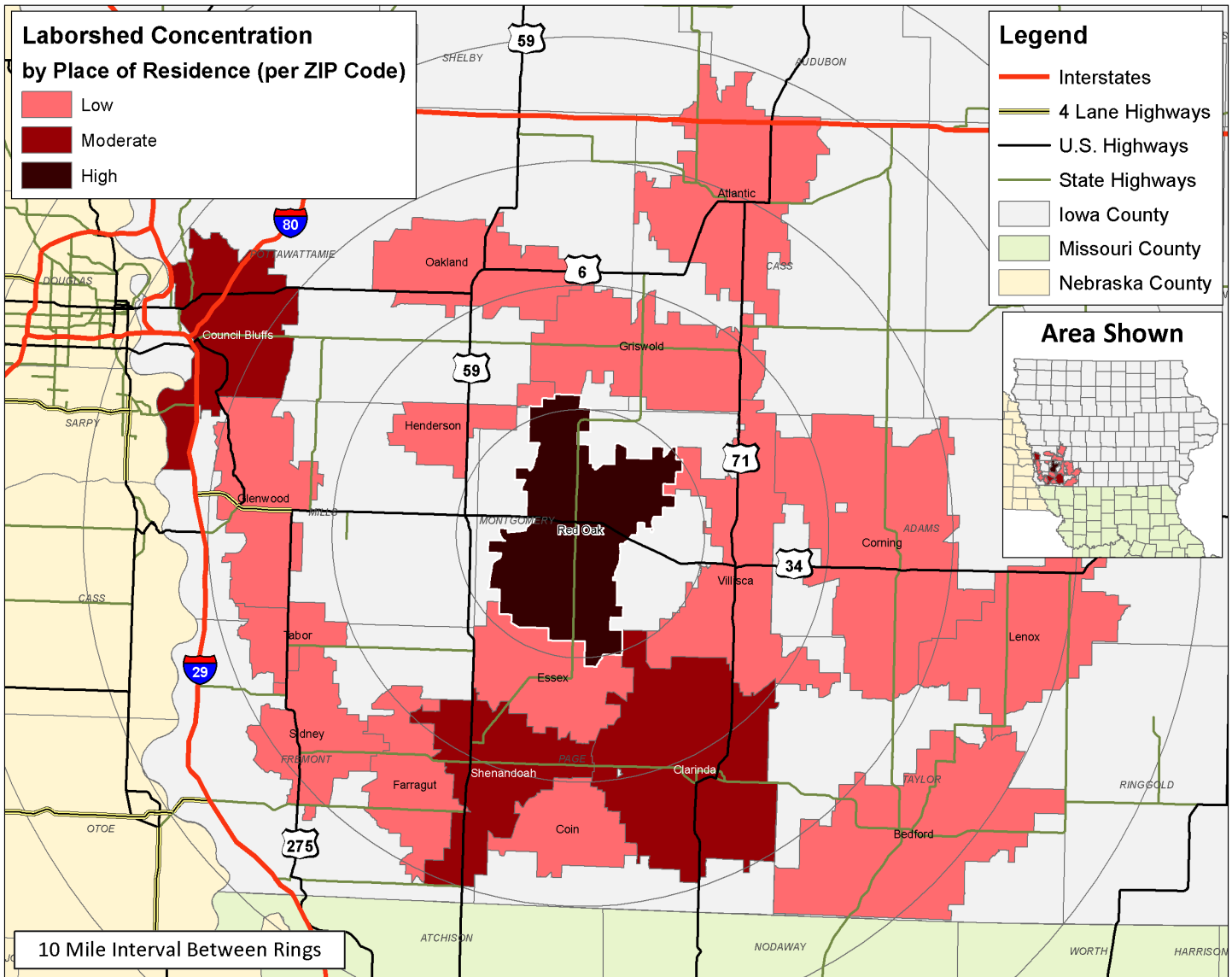
LABOR CHARACTERISTICS

BIOTECHNOLOGY



RED OAK, IOWA LABORSHED AREA

CONCENTRATION OF RESPONDENTS WITHIN THE LABORSHED AREA WITH TRANSFERABLE EXPERIENCE/SKILLS BY PLACE OF RESIDENCE



Workers who have transferable experience/skills in the industry are currently commuting an average of 12 miles one way for work. Those who are likely to change/accept employment are willing to commute an average of 27 miles one way for the right employment opportunity.

LABOR CHARACTERISTICS



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ESTIMATED AVAILABLE LABOR PER OCCUPATIONAL CATEGORY:

BUSINESS OPERATIONS:

- Architectural & Engineering Managers - 151
- Farmers, Ranchers, & Other Agricultural Managers - 618
- Buyers & Purchasing Agents - 152
- Market Research Analysts & Marketing Specialists - 461

PRODUCTION:

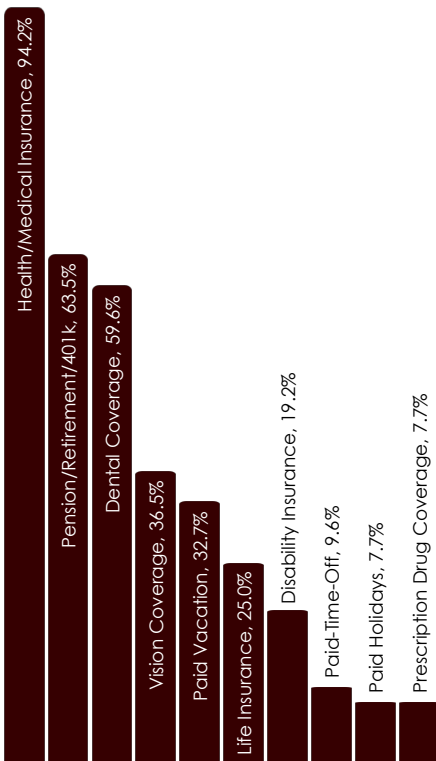
- Supervisors of Production Workers - 464
- Bakers - 158
- Conservation Scientists - 153
- Farmworkers & Laborers, Crop, Nursery, & Greenhouse - 463
- Food Batchmakers - 159
- Healthcare Support Workers, All Other - 157
- Inspectors, Testers, Sorters, Samplers, & Weighers - 466
- Installation, Maintenance, & Repair Workers, All Other - 617
- Licensed Practical & Licensed Vocational Nurses - 156
- Medical & Clinical Laboratory Technicians - 155
- Pharmacy Technicians - 307
- Physicians & Surgeons, All Other - 154
- Production Workers, All Other - 1,236
- Registered Nurses - 2,011
- Slaughterers & Meat Packers - 465
- Social Scientists & Related Workers, All Other - 462
- Water & Wastewater Treatment Plant & System Operators - 160

MATERIAL MOVERS:

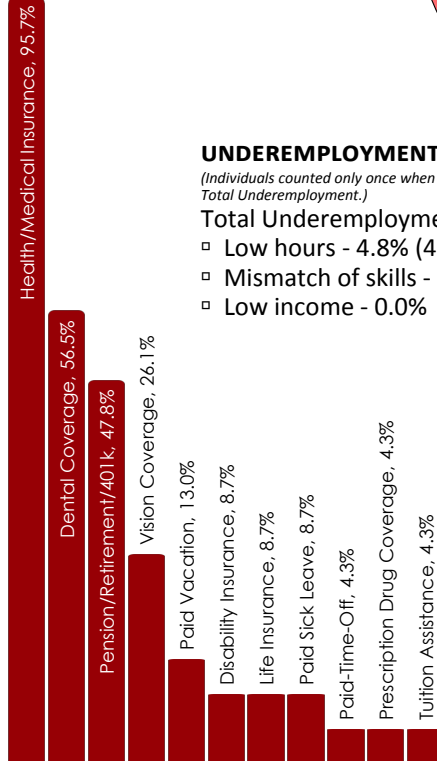
- Laborers & Freight, Stock, & Material Movers, Hand - 619

AN ESTIMATED TOTAL OF
9,744 PEOPLE IN THE LABORSHED AREA

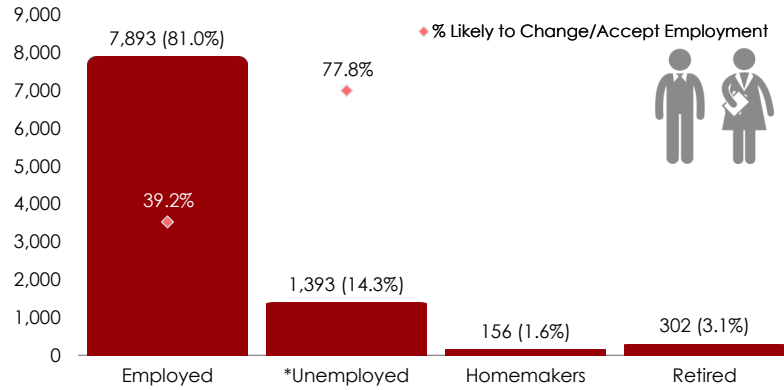
CURRENT BENEFITS:



DESIRED BENEFITS:



ESTIMATED TOTAL BY EMPLOYMENT STATUS (PERCENTAGE):



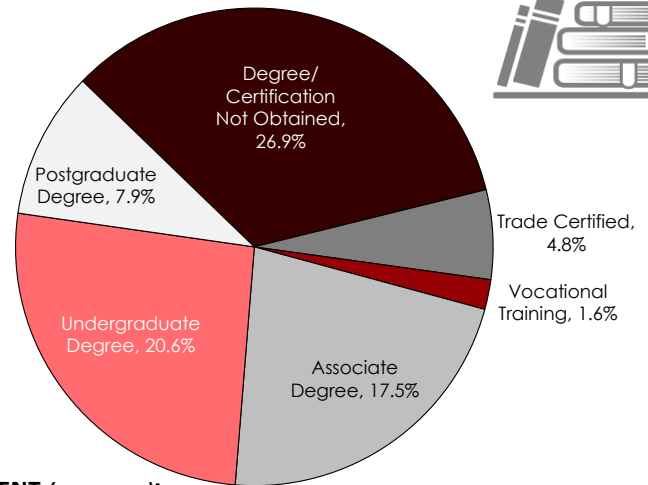
*Employment status is self-identified by the survey respondent. The unemployment percentage does not reflect the unemployment rate published by the U.S. Bureau of Labor Statistics, which applies a stricter definition.

EMPLOYMENT STATS:

- 69.8% paid an hourly wage
- 80.6% are/were employed full-time
- 12.9% are/were employed part-time
- 6.5% are/were seasonal/temporary
- 16.0% hold two or more jobs
- Currently working an average of 47 hours/week

EDUCATIONAL LEVEL:

(79.3% HAVE AN EDUCATION BEYOND HIGH SCHOOL)



UNDEREMPLOYMENT (ESTIMATED):

(Individuals counted only once when estimating Total Underemployment.)

Total Underemployment - 11.1% (110)

- Low hours - 4.8% (47)
- Mismatch of skills - 6.3% (62)
- Low income - 0.0%

TOP JOB SEARCH RESOURCES:

(For those seeking employment opportunities, by use.)

- Internet - 69.4%
 - www.indeed.com
 - www.linkedin.org
 - www.iowajobs.org
 - www.monster.com
- Newspapers - 27.4%
- Networking through friends, family or acquaintances - 24.2%
- IowaWORKS Centers - 14.5%

WORKPLACE FLEXIBILITY:

(by percent of interest)

- Job teams - 78.6%
- Cross-training - 67.9%
- Varied shifts - 46.4%
- Job sharing - 22.2%
- Temporary work - 42.9%
- Seasonal work - 37.0%



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OCCUPATION	OCCUPATIONAL CODE	MEAN WAGE	ENTRY WAGE	EXPERIENCED WAGE	MEDIAN WAGE	MEAN ANNUAL SALARY
Agricultural and Food Science Technicians	19-4011	\$ 13.23	\$ 10.57	\$ 14.57	\$ 12.85	\$ 27,529
Architectural and Engineering Managers	11-9041	\$ 49.23	\$ 35.69	\$ 56.00	\$ 52.64	\$ 102,402
Bakers	51-3011	\$ 12.56	\$ 9.71	\$ 13.99	\$ 12.63	\$ 26,130
Butchers and Meat Cutters	51-3021	\$ 11.49	\$ 9.34	\$ 12.57	\$ 11.09	\$ 23,899
Chemical Equipment Operators and Tenders	51-9011	\$ 17.96	\$ 14.35	\$ 19.76	\$ 18.37	\$ 37,358
Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	13-1041	\$ 24.53	\$ 14.63	\$ 29.48	\$ 24.87	\$ 51,024
Computer and Information Systems Managers	11-3021	\$ 45.95	\$ 31.37	\$ 53.24	\$ 44.40	\$ 95,571
Conservation Scientists	19-1031	\$ 26.12	\$ 19.02	\$ 29.67	\$ 23.82	\$ 54,324
Dietetic Technicians	29-2051	\$ 9.54	\$ 8.32	\$ 10.14	\$ 9.16	\$ 19,835
Dietitians and Nutritionists	29-1031	\$ 28.10	\$ 22.78	\$ 30.76	\$ 28.27	\$ 58,449
First-Line Supervisors of Non-Retail Sales Workers	41-1012	\$ 31.81	\$ 19.65	\$ 37.89	\$ 32.69	\$ 66,171
First-Line Supervisors of Production and Operating Workers	51-1011	\$ 25.56	\$ 17.07	\$ 29.80	\$ 25.40	\$ 53,159
Food Batchmakers	51-3092	\$ 18.05	\$ 12.18	\$ 20.98	\$ 16.92	\$ 37,537
Health Technologists and Technicians, All Other	29-2099	\$ 19.54	\$ 14.01	\$ 22.30	\$ 18.80	\$ 40,637
Healthcare Support Workers, All Other	31-9099	\$ 11.87	\$ 8.74	\$ 13.43	\$ 10.94	\$ 24,689
Industrial Engineers	17-2112	\$ 35.70	\$ 25.59	\$ 40.75	\$ 33.82	\$ 74,252
Inspectors, Testers, Sorters, Samplers, and Weighers	51-9061	\$ 17.52	\$ 9.02	\$ 21.76	\$ 15.61	\$ 36,433
Installation, Maintenance, and Repair Workers, All Other	49-9099	\$ 19.81	\$ 13.31	\$ 23.06	\$ 19.46	\$ 41,202
Laborers and Freight, Stock, and Material Movers, Hand	53-7062	\$ 13.70	\$ 9.52	\$ 15.79	\$ 13.21	\$ 28,500
Licensed Practical and Licensed Vocational Nurses	29-2061	\$ 20.76	\$ 16.69	\$ 22.80	\$ 20.35	\$ 43,184
Life, Physical, and Social Science Technicians, All Other	19-4099	\$ 26.97	\$ 20.16	\$ 30.38	\$ 24.16	\$ 56,101
Maintenance and Repair Workers, General	49-9071	\$ 17.12	\$ 10.26	\$ 20.55	\$ 16.98	\$ 35,613
Market Research Analysts and Marketing Specialists	13-1161	\$ 25.80	\$ 17.16	\$ 30.12	\$ 24.43	\$ 53,669
Medical and Clinical Laboratory Technicians	29-2012	\$ 19.28	\$ 12.44	\$ 22.71	\$ 19.56	\$ 40,112
Medical and Clinical Laboratory Technologists	29-2011	\$ 23.55	\$ 17.88	\$ 26.38	\$ 23.29	\$ 48,976
Medical Scientists, Except Epidemiologists	19-1042	\$ 27.31	\$ 16.36	\$ 32.79	\$ 27.82	\$ 56,811
Millwrights	49-9044	\$ 32.55	\$ 25.18	\$ 36.24	\$ 30.40	\$ 67,703
Paralegals and Legal Assistants	23-2011	\$ 22.90	\$ 16.69	\$ 26.00	\$ 22.10	\$ 47,626
Pharmacy Technicians	29-2052	\$ 14.92	\$ 12.17	\$ 16.30	\$ 14.41	\$ 31,036
Physicians and Surgeons, All Other	29-1069	\$ 100.15	\$ 42.82	\$ 128.81	N.A.	\$ 208,302
Production Workers, All Other	51-9199	\$ 19.38	\$ 14.05	\$ 22.04	\$ 20.48	\$ 40,302
Registered Nurses	29-1141	\$ 27.33	\$ 20.89	\$ 30.55	\$ 26.03	\$ 56,842
Slaughterers and Meat Packers	51-3023	\$ 14.33	\$ 12.33	\$ 15.34	\$ 14.34	\$ 29,817

The 2017 Iowa Wage data for the Red Oak Laborshed area was produced by the Labor Force & Occupational Analysis Bureau to provide communities local information on wages by occupation. The source of the wage and employment data is based on the May 2016 OES estimates. Additional occupational wage and employment data can be found at <https://www.iowaworkforcedevelopment.gov/iawagereport>.