

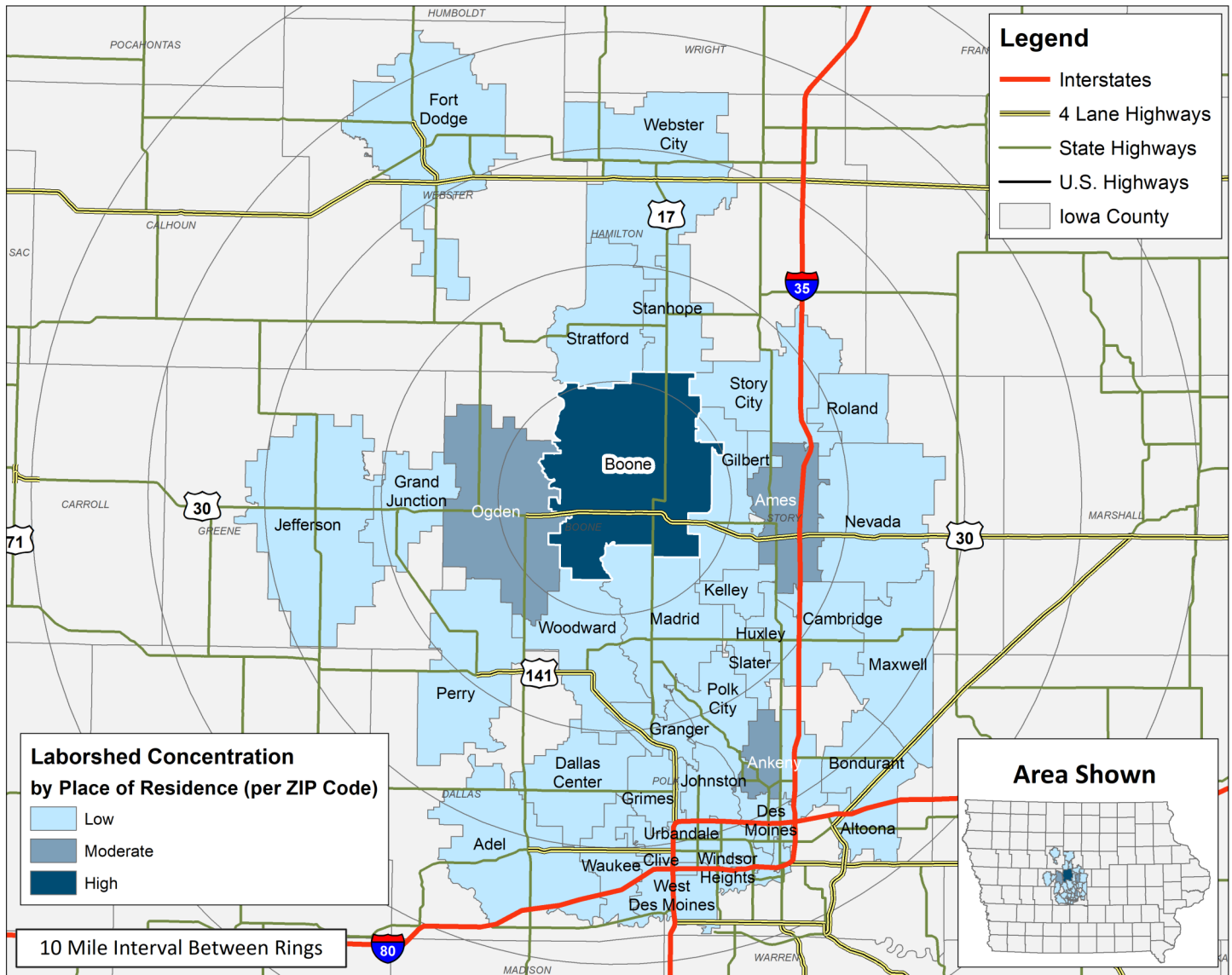
LABOR CHARACTERISTICS

BIOTECHNOLOGY



BOONE, IA 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 16 miles one way for work. Those who are likely to change/accept employment are willing to commute an average of 31 miles one way for the right employment opportunity.

FOR MORE INFORMATION REGARDING THE BOONE, IA LABORSHED, CONTACT:

IOWA
WORKFORCE
DEVELOPMENT

<https://workforce.iowa.gov/>

LABOR CHARACTERISTICS



BIOTECHNOLOGY

ESTIMATED AVAILABLE LABOR PER OCCUPATIONAL CATEGORY:

- Agricultural Workers, All Other - 977
- Chemical Engineers - 968
- Chemical Technicians - 970
- Cooling and Freezing Equipment Operators and Tenders - 979
- Dietitians and Nutritionists - 972
- Engineers, All Other - 969
- Environmental Engineering Technicians - 970
- Farmers, Ranchers, and Other Agricultural Managers - 2,921
- Farmworkers and Laborers, Crop, Nursery, and Greenhouse - 975
- Farmworkers, Farm, Ranch, and Aquacultural Animals - 976
- Industrial Production Managers - 1,948
- Inspectors, Testers, Sorters, Samplers, and Weighers - 978
- Life, Physical, and Social Science Technicians, All Other - 971
- Medical and Clinical Laboratory Technicians - 973
- Medical Scientists, Except Epidemiologists - 1,947
- Supervisors of Production and Operating Workers - 2,920
- Veterinary Technologists and Technicians - 974

AN ESTIMATED TOTAL OF **22,388** PEOPLE IN THE LABORSHED AREA

UNDEREMPLOYMENT (ESTIMATED):

- Low hours - 4.3% (104)
- Low income - 0.0%
- Mismatch of skills - 4.3% (104)
- Total - 8.7% (211)

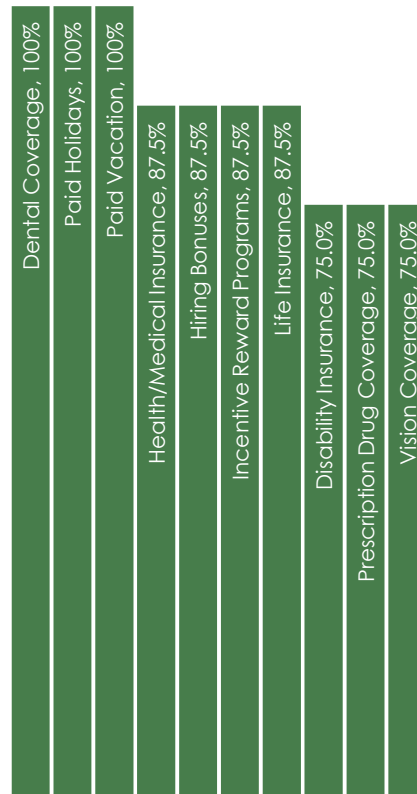
(Individuals counted only once when estimating Total Underemployment.)



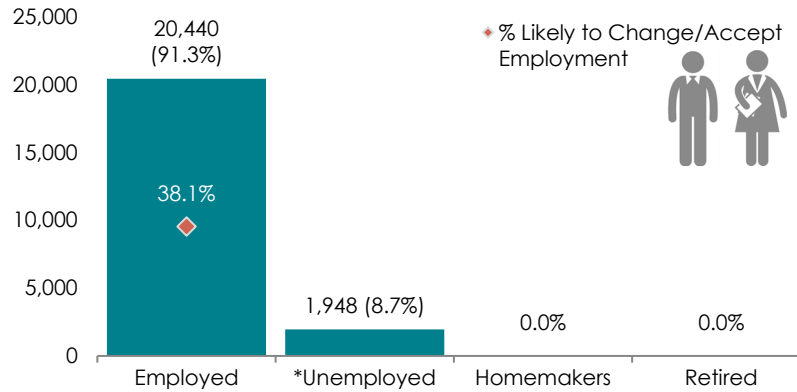
CURRENT BENEFITS:



DESIRED BENEFITS:



ESTIMATED TOTAL BY EMPLOYMENT STATUS (PERCENTAGE):



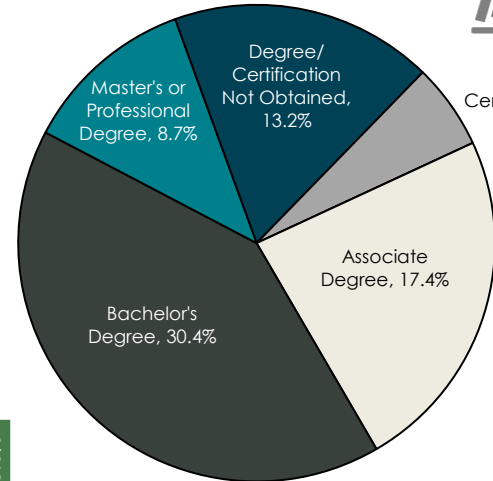
**Employment status is self-identified by the survey respondent. The unemployment percentage does not reflect the unemployment rate published by the U.S. Bureau of Labor Statistics, which applies a stricter definition.*

EMPLOYMENT STATS:

- 56.5% paid an hourly wage
- 87.0% are/were employed full-time
- 13.0% are/were employed part-time
- 28.6% are/were self-employed
- 9.5% hold two or more jobs
- Currently working an average of 39 hours/week

EDUCATIONAL LEVEL:

(74.0% HAVE AN EDUCATION BEYOND HIGH SCHOOL)



TOP JOB SEARCH RESOURCES:

(For those seeking employment opportunities, by use.)

- Internet - 78.3%
 - www.indeed.com
 - www.linkedin.com
 - www.careerbuilder.com
- Networking through friends, family or acquaintances - 47.8%
- Newspapers - 30.4%
- IowaWORKS Centers - 26.1%



LABOR CHARACTERISTICS



BIOTECHNOLOGY

OCCUPATION	OCCUPATIONAL CODE	MEAN WAGE	ENTRY WAGE	EXPERIENCED WAGE	MEDIAN WAGE	MEAN ANNUAL SALARY
Agricultural Engineers	17-2021	\$53.63	\$35.68	\$62.60	\$47.73	\$111,548
Agricultural Inspectors	45-2011	\$28.84	\$20.09	\$33.21	\$26.60	\$59,977
Animal Scientists	19-1011	\$35.76	\$24.98	\$41.15	\$37.06	\$74,382
Biochemists and Biophysicists	19-1021	\$51.23	\$25.16	\$64.26	\$48.99	\$106,556
Biological Scientists, All Other	19-1029	\$39.50	\$27.72	\$45.39	\$37.29	\$82,158
Biological Technicians	19-4021	\$27.34	\$17.58	\$32.22	\$27.91	\$56,868
Biomedical Engineers	17-2031	\$33.38	\$29.20	\$35.48	\$30.43	\$69,437
Chemical Engineers	17-2041	\$51.44	\$33.91	\$60.21	\$49.19	\$107,001
Chemical Equipment Operators and Tenders	51-9011	\$23.83	\$17.37	\$27.05	\$22.52	\$49,560
Chemical Plant and System Operators	51-8091	\$22.06	\$19.04	\$23.57	\$22.65	\$45,886
Chemical Technicians	19-4031	\$23.37	\$17.53	\$26.29	\$23.14	\$48,608
Chemists	19-2031	\$38.72	\$26.34	\$44.91	\$35.81	\$80,534
Conservation Scientists	19-1031	\$29.73	\$20.83	\$34.18	\$29.52	\$61,845
Dietetic Technicians	29-2051	\$14.59	\$13.40	\$15.18	\$14.26	\$30,347
Dietitians and Nutritionists	29-1031	\$28.89	\$21.53	\$32.58	\$29.26	\$60,098
Engineering Technicians, Except Drafters, All Other	17-3029	\$28.09	\$20.72	\$31.77	\$29.22	\$58,421
Engineers, All Other	17-2199	\$42.86	\$30.32	\$49.14	\$46.25	\$89,159
Environmental Engineering Technicians	17-3025	\$24.31	\$19.13	\$26.90	\$23.02	\$50,566
Environmental Engineers	17-2081	\$41.78	\$32.79	\$46.27	\$38.39	\$86,901
Environmental Scientists and Specialists, Including Health	19-2041	\$35.51	\$25.62	\$40.46	\$39.27	\$73,871
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	45-2092	\$14.79	\$11.09	\$16.64	\$14.29	\$30,764
Farmworkers, Farm, Ranch, and Aquacultural Animals	45-2093	\$15.11	\$11.32	\$17.01	\$14.13	\$31,435
First-Line Supervisors of Farming, Fishing, and Forestry Workers	45-1011	\$24.58	\$16.17	\$28.79	\$23.26	\$51,131
First-Line Supervisors of Production and Operating Workers	51-1011	\$29.75	\$20.33	\$34.46	\$29.33	\$61,885
Food Scientists and Technologists	19-1012	\$41.18	\$27.24	\$48.16	\$37.98	\$85,661
Foresters	19-1032	\$35.67	\$30.50	\$38.26	\$36.81	\$74,204
Industrial Engineers	17-2112	\$41.68	\$31.03	\$47.01	\$38.68	\$86,705
Inspectors, Testers, Sorters, Samplers, and Weighers	51-9061	\$21.09	\$15.26	\$24.00	\$18.86	\$43,860
Life Scientists, All Other	19-1099	\$32.53	\$28.65	\$34.47	\$31.09	\$67,658
Life, Physical, and Social Science Technicians, All Other	19-4099	\$20.96	\$14.42	\$24.22	\$18.18	\$43,588
Materials Scientists	19-2032	\$39.72	\$26.39	\$46.38	\$39.27	\$82,608
Medical Scientists, Except Epidemiologists	19-1042	\$47.54	\$27.93	\$57.35	\$39.57	\$98,884
Microbiologists	19-1022	\$49.00	\$32.83	\$57.09	\$48.43	\$101,925
Nuclear Medicine Technologists	29-2033	\$36.47	\$29.65	\$39.88	\$37.53	\$75,849
Plant and System Operators, All Other	51-8099	\$29.77	\$25.77	\$31.76	\$30.15	\$61,913
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	51-9012	\$22.33	\$17.33	\$24.83	\$24.28	\$46,447
Soil and Plant Scientists	19-1013	\$37.79	\$22.26	\$45.56	\$30.89	\$78,614
Veterinary Technologists and Technicians	29-2056	\$17.78	\$13.73	\$19.81	\$17.70	\$36,990
Water and Wastewater Treatment Plant and System Operators	51-8031	\$26.86	\$19.48	\$30.55	\$28.50	\$55,866
Zoologists and Wildlife Biologists	19-1023	\$29.28	\$21.63	\$33.10	\$30.31	\$60,898

The 2022 Iowa Wage data for the Boone, IA 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 2021 OEWS estimates. Additional occupational wage and employment data can be found at www.iowalmi.gov/laborshed.

Balance of data compiled by Iowa Workforce Development using Laborshed data released in 2022.