Minnesota Manufacturing Business Conditions Survey Methodology

Year End 2023

The Data Axle Reference Solutions database of Minnesota Manufacturers provided the population of 8,722 manufacturing establishments for the survey. A random sample of 1,000 businesses was drawn from the population. Two mailings were sent to the selected businesses on November 13 and December 4. The cutoff for survey responses was December 15, 2023.

A total of 252 usable surveys were received, for a response rate of 25.2 percent. Of the usable surveys, 65 were from respondents indicating that their specific location had no manufacturing on site. Survey results were tabulated for all manufacturers with manufacturing on site.

The confidence interval for sampling error was calculated. The 95 percent confidence interval for the table of results for all manufacturers is plus or minus 5.3 percentage points.