

2016 North Dakota Beef Report

Welcome to the 2016 North Dakota Beef Report.

North Dakota State University; the College of Agriculture, Food Systems, and Natural Resources; and the North Dakota Agricultural Experiment Station are pleased to be able to provide this report to the beef industry and cattle ranchers in the state. The report provides the most recent results from research related to beef cattle, beef products, and environmental and range sciences from North Dakota.

The beef research programs at the North Dakota Agricultural Experiment Station's Main Station in Fargo and the Research Extension Centers across North Dakota are dedicated to serving the producers and stakeholders in North Dakota by developing new knowledge and technology to improve the management, efficiency, and production of high-quality cattle and beef using sustainable and safe approaches.

This report includes a broad range of research from on-campus departments, schools and centers, as well as Research Extension Centers across the state, and provides producers and stakeholders with one document that contains all beef-related research conducted at NDSU each year.

We thank the federal, state and industry sponsors who support our research programs. Without this support, this research would not be possible. We also thank all of the faculty, staff, and graduate and undergraduate students who have contributed to this work.

We hope you enjoy reading this research report and that the information is useful to your operation. We look forward to continuing to serve the North Dakota beef industry in the coming year and in the future.

Sincerely,

Ken Grafton

Vice President for Agricultural Affairs

Dean of the College of Agriculture, Food Systems, and Natural Resources

Director of the North Dakota Agricultural Experiment Station

North Dakota is proud of its strong and prosperous beef industry. The success of the industry doesn't happen by chance, however. It takes the vision and commitment of industry leaders to identify needs and set goals.

One key component of that success is the industry leaders' commitment to supporting beef research and Extension at NDSU.

Through the NDSU Extension Service, we are able to provide the beef industry with research-based information in the areas of genetics and reproduction, nutrition, animal care and health, range management, resource stewardship and market economics through our state and area Extension specialists.

I thank the beef industry for its continued support of NDSU Extension's beef programs.

I also thank the dedicated NDSU animal scientists and Extension specialists for their innovative and valuable research and Extension programs. The results of their numerous projects are reported between the covers of this 2016 North Dakota Beef Report. The report contains a wealth of information on current applied and basic research and project results. I hope you take time to review this information for ideas and to stay abreast of the latest in beef research at NDSU.

I encourage you to contact the scientists or Extension specialists who are involved in these projects if you have questions or additional input. They always are interested in hearing your thoughts.

Thank you for your continued support of these beef research projects and the other animal science programs as well. We want to work together with you to support the successful future of North Dakota beef.

Sincerely,

Chris Boerboom

Director of the NDSU Extension Service