

September 25, 2023

Dear SBARE Members:

I am writing this letter to express support for research for the expansion of Precision Livestock Farming efforts at North Dakota State University.

Grand Farm meets with organizations and growers from around the United States to learn more about opportunities and challenges in agriculture. An opportunity which commonly surfaces is the need for precision livestock solutions. Solutions which develop, test, and utilize sensor technology, artificial intelligence, and machine learning to drive value into these agriculture operations.

It is our understanding an expansion of Precision Livestock Farming efforts would directly target these opportunities and challenges – leading to research, development, and validation of digital technologies to create efficiency and maximize return on investment for these operations. The Agriculture and Biosystems Engineering and Animal Science Departments are positioned to break down the silos that currently exist in the livestock industry and develop a team to manage an effort that optimizes and leverages Precision Livestock Production in North Dakota. This new technology is the ticket that best addresses many of the challenges faced by today's livestock producers.

It is for these reasons Grand Farm Research and Education Initiative supports increased research on Precision Livestock Farming efforts.

Sincerely,



Dr. William Aderholdt  
Director  
Grand Farm