

Economic Sustainability



From Lab to Field: Advancing Livestock and Forage Resilience



The [Livestock and Forage Centre of Excellence \(LFCE\)](#) at the University of Saskatchewan is a leading hub for research and innovation in animal agriculture. Supported by the provincial and the federal governments through Sustainable Canadian Agricultural Partnership, the centre combines science and practical solutions to help producers adapt to changing conditions. LFCE research spans cow-calf production, intensive livestock systems, and pasture and grazing management. It also provides a strong platform for teaching and extension, supporting animal health, reproductive efficiency, nutrition and animal welfare throughout the entire production cycle.

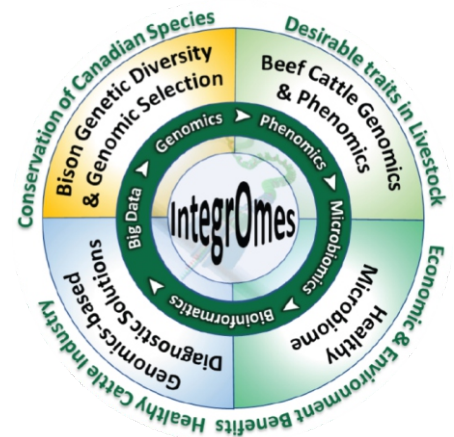
A recent \$3.4-million investment is expanding facilities such as the Beef Reprotech labs under the IntegrOmics, or the Integrated Genomics for Sustainable Animal Agriculture and Environmental Stewardship initiative. This work uses advanced genomic tools to improve beef genetics and reproductive efficiency, giving producers access to data-driven breeding strategies.

Why It Matters

Healthy livestock and strong forage systems are essential for food security and farm stability. Through research in feed efficiency, reproductive health, forage systems and genomics, LFCE plays a key role in improving the sustainability, competitiveness and adaptability of Saskatchewan's livestock sector.

Link to Related Information

[University of Saskatchewan's Integrated Genomics for Sustainable Animal Agriculture and Environmental Stewardship Project](#)



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