

# Perennial grains for fall grazing of beef cattle

## The Goal

Evaluate Intermediate Wheatgrass (IWG), a dual-purpose, multi-year crop, to enhance the long-term adaptability and competitiveness of beef production in western Canada.

## The Team

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**The Land Institute (Kansas):** T. Crews



## Funding Organizations



## Supporting Partners



## The Project

→ Determine the agronomic performance of IWG, alone or in combination with a non-competitive, N<sub>2</sub> fixing legume in an overwintering cattle system

→ Assess performance, intake, grazing behavior and energetics of cattle grazing IWG-based pastures in late fall/early winter

→ Assess the potential of IWG-based pastures to provide nesting spring/summer cover for waterfowl and songbirds

→ Evaluate the impact of IWG on soil carbon quality, nitrogen cycling and greenhouse gases

→ Model agronomic and soil productivity

→ Determine the economic potential of IWG-based pastures to provide both a cash-crop and high quality feed in the same growing season

→ Evaluate the whole-system environmental footprint of integrated IWG/cattle overwintering systems

