



Model Dairy Farm

- Herd Dynamics
 - 65 lactating cows
 - 10 dry cows
 - 64 young stock (birth to 24 months)
- Forage and Feed Sustainability
 - Maximize forage use
 - Minimize purchased feed





Model Dairy Farm

- Step 1
 - Consider crop rotations for forages, canola, soybeans and corn grain that best match animal's requirements for nutrients.
- Step 2
 - Calculate forage and feed inventory for all animal groups for the year.
 - Develop base rations





Model Dairy Farm

- Step 3
 - Analyze all forages and grains from the various crop rotation scenarios
 - Include NDF digestibility, starch and fat where appropriate.
- Step 4
 - Use the 2001 NRC model and the CPM model to predict animal performance.
 - All cropping rotations and scenarios will be evaluated.

