


Supplementing fall pasture with Canola Meal

A herd of black and white cows is standing in a field during sunset. The sky is a mix of purple, pink, and blue. The cows are mostly black with some white markings on their faces. They are wearing yellow ear tags. The field is a mix of green and brown grass.

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Why do this project

- Demonstrate the potential benefit of providing additional protein when grazing mature forages
- Determine rate of gain difference
- What does it cost!!
- Other benefits?
 - Fetal programming, longevity, breed back

Why do this project

- Increasing availability of canola meal
 - Increasing canola crush capacity in SK
- Impact of nutrition on resource utilization
- Impact of nutrition on lifetime productivity

What was to be done

- 2 sites
- Groups of 25 animals
- Control group = graze pasture
- Treatment group = graze pasture + 1.5 kg CM every other day

Tale of two ranches

Ranch A

- Big Beaver area
- Multi section NG pasture
- 25 control bred heifers
- 35 treatment bred heifers + 37 commercial bred heifers
- Fed 1.39 kg of CM/TM salt blend (80:20) every other day
- Nov. 7 to Jan 11 = 65 days

Ranch B

- Hodgeville area
- 2 x 160 ac CWG pasture
- 25 bred heifers in each group
- Fed 1.5 kg CM every other day in a bunk
- Sept. 30 to Dec 1 = 60 days

Supplement

Ranch A

- Custom Beef Cattle TM Salt
- AKA: Big Muddy Bossy Bloomer
- 80% Canola Meal, 20% salt
- Fed 1.38 kg/hd every 2 days
1.38 x 80% = 1.11 kg canola meal every 2 days

Ranch B

- Canola Meal Mash fed in troughs
- Fed 1.5kg/hd every 2 days

Customer Formulation

Protein, vitamin, Trace mineral supplement for
beef cattle

This feed contains added Selenium at 6 Mg/Kg
GUARANTEED ANALYSIS

Crude Protein, not less	30%
Salt	20%
Sodium (Na) actual	7.8%
Iodine (I) actual	28 mg/kg
Cobalt (Co) actual	6 mg/kg
Copper (Cu) actual	450 mg/kg
Zinc (Zn) actual	1200 mg/kg
Manganese Mn) actual	850 mg/kg
Vitamin A, Min	125,000 iu/kg
Vitamin D, Min	12,500 iu/kg
Vitamin E, Min	400 iu/kg

DIRECTIONS: TM salt supplement should be fed to
beef cattle grazing dormant mature grass. Aim for 454
gm (1lb.) consumption/ Hd/day.

INGREDIENTS: A list of the ingredient used in this feed
may be obtained from the manufacturer.

CAUTION: 1. Directions for use must be carefully
followed. 2. Do not use this feed in association with
another feed containing supplemental Selenium.
3. Do not feed this mineral to sheep.
4. Copper may cause toxicity.









Results

	Ranch A		Ranch B	
	Control	Supp	Control	Supp
Available Forage (lb/ac)	1548	1834	613	764
Pasture Size (ac)	1920	1920	160	160
Pounds of Forage available/hd/day	1525	627	93	116

Results

	Ranch A		Ranch B	
	Control	Supp	Control	Supp
Dry Matter (%)	93.9	93.1	93.0	92.3
Crude Protein (%)	6.2	6.4	6.5	6.7
TDN (%)	46.6	49.5	50.1	53.4







Results

	Ranch A		Ranch B	
	Control	Supp	Control	Supp
Start Weight (lbs)	914	902	1315	1297
End Weight (lbs)	927	935	1404	1409
Average Daily Gain (lbs/d)	0.20	0.51	1.47	1.86

Costs

	Ranch A		Ranch B	
	Control	Supp	Control	Supp
Cost of Pasture	\$1.30	\$1.30	\$1.75	\$1.75
Cost of Supp	-	\$0.48	-	\$0.46
Cost per head per day	\$1.30	\$1.78	\$1.75	\$2.21
Cost/lb of gain	\$7.65	\$4.14	\$1.18	\$1.19

Canadian Agricultural Partnership (CAP) Programming

- **Farm and Ranch Water Infrastructure Program**
 - Funding for wells, dugouts, pipelines and remote watering systems
 - Rebate deadline is March 15, 2023
- **Farm Stewardship Program**
 - Funding for seeding forages, fencing, livestock stewardship and cow-calf BMPs
 - Pre-Approval deadline is December 31, 2022
- **Producer Assurance Programming**
 - Funding for livestock handling equipment, vet assessments, VBP+ audits
 - Rebate Deadline is March 15, 2023
- **Agricultural Skills and Knowledge Program**
 - Choose from the list of courses to complete and apply by March 15, 2023

Call the
Agriculture
Knowledge
Centre
1-866-457-2377



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