



Master Beef—Pick Your Topic Possibilities

Stumped for ideas for Master Beef - Pick Your Topic? Not sure if your idea fits?

This fact sheet provides a list of potential topics for the Master Beef - Pick Your Topic project.

Technical Production Skills

ALUS (Alternative Land Use Services)

Agroforestry
Shelterbelts

Breeding/Herd Development

Genetics/genomics
EPDs
Heritage Breeds
Improving a herd
Selecting a new sire
Looking for the perfect cross
Calving problems
Embryo transplants
Artificial insemination
Record Keeping
New cattle Breeds
History and Characteristics of a
Specific Breed

Equipment

Equipment Operating

Facilities

Building Calf Shelters
Comparison of Chutes
Design a Calving Barn
Design a Corral Handling System
Open Housing System
Alternate Watering Systems

Fencing

Cross Fencing
Electrical Fencing Systems
High Tensile Fencing
Temporary Fencing

Environmental Stewardship

Soil Conservation
Soil Health
Water
Ecology
Manure Management
Water, energy and carbon footprints
of beef production
Ecological Goods and Services
Carbon Sequestration
Carbon Credits
Managing Riparian areas/watershed
management

Forages

Grasses and Legumes for Pasture and
Soil Types
Fertility
Cover Crops
Annual Forage Options
Extended Grazing Schedules
Seeding Forages
Harvesting Forages

Technical Production Skills continued

Herd Health

- Cow/Calf Health Management Program
- Calving Dystocia
- Newborn Management
- Colostrum
- Minerals
- Keeping the Herd Sire Healthy
- Hoof Trimming and Dehorning
- Immunizations/Vaccinations
- Pain Mitigation Strategies/new Standards
- Fly Control
- Deworming

Safety

- Livestock safety
- Chemical Safety
- Equipment Safety
- Emergency Preparedness

Science and Technology

Selection and Judging

Showmanship

- Grooming
- Showmanship

Herd Production

- Economics, breeding and production strategies
- Finishing Feeder Management Program
- Backgrounder management Program
- Weaning Strategies

Holistic Management/adaptive management planning

Meat Science

- Carcass Evaluation
- Grading
- Understanding Meat Quality
- Novel Cuts and Cooking Methods

Nutrition and feeding

- Creep feeding
- Feeding Silage
- Rotational Grazing
- Swath Grazing
- Self Feed vs Hand Feed
- Making a Feed Ration
- Making a Ration with computer Software
- Custom Feeding
- Custom Grazing

Record Keeping

- Computer record keeping
- Verified Beef Production
- Environmental farm Plan

Business Management Skills

Entrepreneurship

Economics

Costs of Production

Budgeting

Record Keeping

Heifer Retention vs. Purchasing

Outside Influences on Return

BSE

NAFTA

Consumer Trends

Marketing

Auction System

Rail Grading

Local Markets

Value Added

The Consumer

International Markets

Niche markets

Direct Farm Marketing

Farmers Markets

Running a Small Business

Premises ID

Leadership and Career Skills

Communication

Advocacy

Career Exploration

Veterinary

Veterinary Assistant

Ag Accountant

Food Science

Heavy Machinery Repair

Nutritionist

Scientist

Research Assistant

Agronomist

Extension Agent

Critical Thinking

Education

Degree

Diploma

Certificate

Post Graduate Programs

University

Community College

College

Food Safety and Food Preparation

Food Security

Industry Organizations/ Government

CFIA

MBP

CCA

Canada Beef Inc

Canadian Roundtable for Sustainable
Beef

Meeting Management

Mentee Opportunities

Mentor Training

Resources on the Internet and Social Media

The internet can be an excellent source of information whether in print or video format. Be sure to always look for reputable and credible sources when using online resources. Examples of good resources would be sites posted by government or educational agencies. Companies may also post credible information but be aware that they could be promoting their own products and you may wish to find a second opinion.



Pinterest - The Visual Discovery Tool

Pinterest is a social media bulletin board for you to virtually pin pictures of things that interest you to your own personal boards - Pin-Explore-Discover! 4-H Manitoba has a Pinterest account. Each project series has a board full of fun and interesting ideas. There are also boards for 4-H Awesome, Community Service, Volunteers, Communications and Building Blocks. Check it out at www.pinterest.com/4hmanitoba/.

When you are doing a search for beef information on the internet be sure to be specific about what you want to find out - just entering "beef" will yield too many results for you to check and not all of them will relate to what you want to know. For example, try "rotational grazing for beef cattle" , "preparing for a 4-H livestock show" or "judging 4-h beef steers".



YouTube <https://www.youtube.com/>

YouTube is an American video sharing website. You can search YouTube for videos on a variety of topics including livestock judging, showmanship and advocacy.

As with Pinterest, you will want to be specific in your search topics - this will decrease the number of results you find and increase the relevance of the videos you find.



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