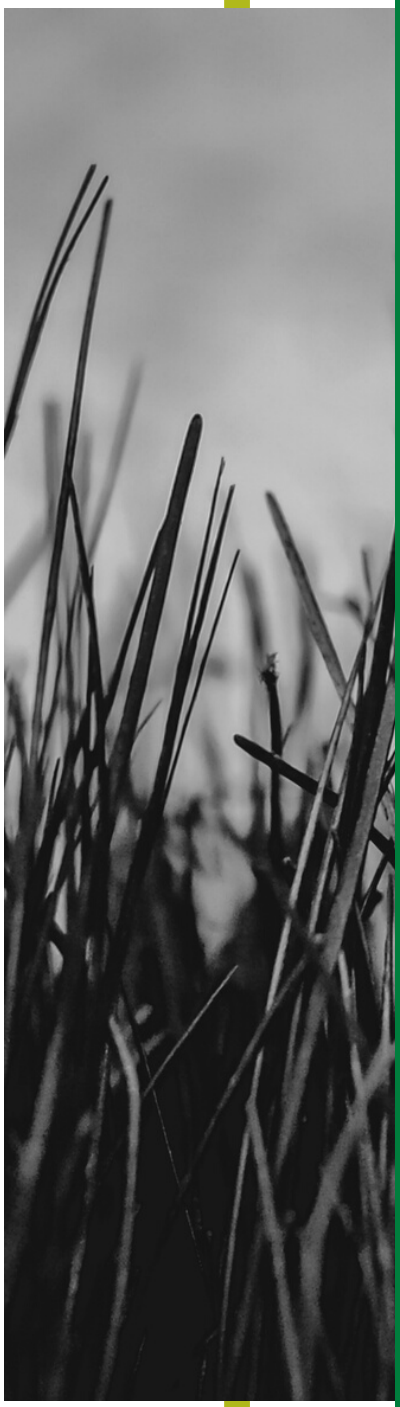

AGS

ADVANCED GRAZING SYSTEMS

RESOURCES

RESOURCES
MODULE 3
GRAZING PLAN

Canadian Forage & Grassland Association
Association Canadienne pour les Plantes Fourragères

GREENER PASTURES
RANCHING

FARMERS FOR
CLIMATE SOLUTIONS

FERMIERS POUR LA
TRANSITION CLIMATIQUE

English Resources (le Français suit)

National

Grazing Game Plan – How to Develop a Grazing Plan

Join three expert speakers from Eastern and Western Canada as they discuss the importance and basics of developing a grazing plan. A grazing plan that matches animal numbers to predicted forage yields should be carried out before animal turnout. An important first step in developing a plan includes defining goals and objectives for the entire grazing operation.

How Electric Fence Works – How to Fencing Instructions from Gallagher Electric Fence

This page contains a number of videos explaining how electric fences work, how to check and troubleshoot, and a downloadable french manual.

Google Earth Pro

This is a simple GIS mapping tool, with good satellite imagery overlays. It is most useful in laying out fence lines, water lines, sizing paddocks, and coming up with costings for grazing systems. It's pretty straightforward to use, and you can organize multiple farms into different folders, or multiple different design elements into different folders (i.e access, fencing, water, etc.).

Virtual Fencing: The Future of Livestock Management

Fencing costs are increasing. Potential to have a "virtual fencing product", virtual fence boundaries using LTE and GPS networks with collars on cows that give audible and electric pulse.

Components of a solar system

Speedrite solar panels and energizers feature high-tech materials and are engineered to rigorous quality standards. Four main components make up a Speedrite solar system. Each component requires careful consideration depending on your needs.

Ground systems

Your ground system is the most important component of your electric fence system. An effective ground system is necessary to achieve the maximum results of your energizer and your fence.

Fence Planning
A quick step-by-step guide to choosing a fencing system.

Electrical flow | Patriot
A specialist explains electrical flow and resistance along high tensile fence and under a gate.

Water Systems for Beef Cattle
Many different water systems are available; suitability will depend upon several factors, including herd size and composition, water sources, access to power, local geographic conditions, grazing management, and cost. The economics of a water system is dependent upon the initial cost, capacity, herd size, and cattle prices.

Managed Grazing Watering System Farm Profiles
This video profiles how four farms in southeast Minnesota using managed grazing have set up their watering systems.

Mountain

Pasture Design
A well-designed and managed pasture can improve productivity, extend the grazing season, increase pasture life, distribute manure more evenly, and improve animal performance. This factsheet will focus on pasture design; for information on pasture management, including livestock distribution, grazing frequency and utilization and designing a grazing management plan, refer to Factsheets No.1, 2, 3 in this series and section 3 of the Grazing Management Guide.

Are you Grounded?
Electric fencing is the key component to a 3-dimensional fence as it is a psychological barrier not a physical one. The largest cause of failure with this wildlife fence is a failure in electric fencing. Proper grounding is essential for an electric fence to perform correctly. There are two common grounding systems: earth return, and hot/cold system

Wildlife Woven Wire Exclusion Fence
Woven wire fencing is commonly seen throughout the Peace Region. The primary use for this type of fencing is to protect stored feed. Due to the increasing number of ungulates over the past 30 years, farmers and ranchers in the Peace Region do not have the opportunity to lower their feeding costs by utilizing different winter feeding strategies.

3D Fencing Spreading Across the Land

Since the first 3D Wildlife Fencing Project was initiated in 2009, there has been tremendous interest in the innovative fencing efforts by farmers and ranchers in the Peace Region. As a result of this sharing of information, several 3D wildlife fences have been constructed outside of the BC & AB Peace Region.

Water Systems

When developing a watering system one must plan whether they are going to water directly from their source of water or at a separate offsite location. If one wishes to move the water then a plan must be made as to how the water will be removed and where it will be stored. There are many options available to the forage manager for improving their watering systems. Our advice is: go out, look at what other ranchers have done, then consider how it could work in your own situation.

Electric Fence Planning and Construction Guide

This guide includes electric fence principles, a smart electric fence grid, a cattle farm plan example, planning and construction tips, and a fencing quiz.

How to build a mobile cattle water system for your pasture rotation

In this article, I will show you how to build a mobile cattle water system for your rotational grazing program.

Reducing Fence Damage and Comparing Costs

Throughout the Peace Region, fencing has been the most effective wildlife mitigation tool for a farmer or rancher. This forage fact aims to provide an economical comparison of these fences, as well as tips on how to reduce damage to existing fences.

Prairie

Jim Gerrish – How Paddock Design Impacts Grazing

A very popular webinar, Paddock Design 101: Planned Grazing Fundamentals in collaboration with our Canadian friends, Foothills Forage & Grazing Association.

Alberta Landholder's Guide to Wildlife Friendly Fencing

This guide will help you construct and modify fences and crossings that are friendlier to wildlife while still meeting fencing needs. It will also help you with sources for technical assistance and possible cost-share opportunities.

Fencing Costs

The information provided estimates machinery and material requirements as well as the time and labour needed to build one mile of fence. It's intended to be used as a guide. All costs are estimated and may vary between individuals and their conditions. An average of fencing material prices from several farm supply retailers throughout Saskatchewan was taken. Taxes are not included.

Remote Winter Watering: systems for beef cattle

Remote winter watering systems allow producers to provide water to cattle during the winter beyond the traditional confinement yard site without expending large amounts of money running electrical lines to remote locations. On the following pages, four new innovative ways to provide water to the herd during the cold of a Manitoba winter are discussed.

Snow as a water source for wintering beef cattle

In conclusion, research indicates there is no energy use increase or need for increased feeding when using snow as a water source. The heat provided through feed digestion appears to be sufficient to melt snow and warm the resulting water to body temperature.

Drought Proofing Farm Water Supplies

The severe province-wide drought in the early 2000s reaffirmed the importance and value of water to rural people across the Canadian prairies. This fact sheet provides information about drought security related to your water source.

Remote pasture water systems for livestock

No matter the size of a livestock watering system, proper planning and design play an important role in its effectiveness. A good installation cannot compensate for an inadequate water source. Good quality water and sufficient quantity are both vital to livestock. Dugout and off-stream livestock watering systems are an important tool in protecting water sources, riparian areas and livestock.

Pasture Pipeline Design

As pasture systems become more intensively managed, producers are considering piping water directly to paddocks.

Alternatives to Direct Access Livestock Watering
Sustainable agriculture requires that soil and water quality be maintained. Some farm practices have the potential to cause environmental harm, which may affect rural and urban areas alike.

Eastern Canada

Watering Systems
This page details materials and parts used for grazing water systems, and their costs.

Correctly Grounding an Electric Fence
Improper grounding is the most common mistake that causes an electric fence to malfunction.

Finishing Lambs on Cover Crops – Cover Crop Grazing 2021 Fleguel and Ehrhardt
n the third of three webinars, farmer Matthew Fleguel shows us how he uses annual crops to graze lambs We see his fencing and watering system.

Integrating Crop/Livestock Systems – Cover Crop Grazing 2021: Macfarlane and Bainard
In the first of three webinars, farmer Chris Macfarlane takes us through how he grazes his cow herd on cover crops. We see examples of fencing.

Fencing and Water Systems
This talk from Andy McDonald was part of the 2015 Profitable Pastures program about watering systems and fencing.

Fencing Options for Predator Control
Fencing is one preventive measure available to producers in combating livestock predation. This factsheet explores options for keeping coyotes out of pastures most of the time, and for new fencing, as well as a comparison of three fencing options.

Does Ultra-High-Density Grazing as part of Adaptive Multi-Paddock Grazing have Merit in Ontario?
Tony's finding that his cattle consumed the same amount of forage, irrespective of standard or ultra-high-density grazing, provides evidence that ultra-high-density grazing provides enough biomass for the animals.

Atlantic Canada

Livestock Fencing Guidelines 2013

Proper fencing is essential for controlling livestock, protecting animals from predators, and good pasture management. These Livestock Fencing Guidelines describe three types of fencing used in Nova Scotia – electric, barbed wire, and page wire – and cover construction techniques, materials, and appropriate dimensions.

Milfern's Holsteins - Virtual Farm Tour

Off-grid solar watering system, using pond water. Has a pressure valve and is connected to a trough with float. Also shows net fencing, and solar energizer, for intensive grazing.

Livestock Watering Systems for Pasture

There are many livestock watering systems available to farmers today. Some require high capital expenditure but low operational and maintenance costs. Others are cheap to purchase and install but may necessitate higher levels of management. Farmers, using resourcefulness and creativity, can custom design a livestock watering system according to their needs.

For your interest

Grazing Diagrams

These diagrams illustrate different grazing practices and their impacts. Grazing continuum diagrams: continuous grazing, rotational grazing, adaptive grazing.

Informations en Français

Quelles sont les bonnes pratiques pour construire une clôture temporaire?

Voici la liste de sujet traité durant ce webinaire sur les clôtures électriques temporaires : Comment est-ce qu'une clôture électrique fonctionne? Quels sont les éléments clés d'une clôture électrique temporaire?

Implanter et géere son pâturage

Scénarios de gestion de parcelles de pâturages avec diverses espèces animales. (Source: expérience personnelle avec les producteurs et leur cheptel au pâturage.)