

Extreme Heat Resources to Assist with Animal Care



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📘 Alberta Farm Animal Care
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Advancing Responsible Animal Care

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Who is Alberta Farm Animal Care?

Alberta Farm Animal Care (AFAC) was started in 1993 by Alberta livestock producers. Throughout the years, AFAC has developed into the collective voice of the Alberta livestock industry on matters of livestock welfare. It has provided a coordinated approach for all livestock production areas to work together to advance and promote responsible livestock care. Among numerous activities, it offers resources to producers, organizes an annual Livestock Care Conference, and operates an ALERT line that anyone can call if they believe livestock are not being cared for properly.

The Objective of this Document

This document aims to present resources available for livestock producers so that they are aware of best practices for their animals in extreme heat conditions. Resources from areas that are familiar with extreme heat and drought conditions are included for consideration.

Drought Management

General

- [Alberta Drought Risk Management Plan](#)
- [Alberta's Agriculture Drought and Excess Moisture Risk Management Plan](#)
- [Drought and Agriculture](#)
- [Drought Proofing Farm Water Supplies](#)
- [Drought Watch](#)
- [Farming in Dry Conditions](#)

Climate Tools and Resources

- [Forest Change indicators](#)
- [Information Report Providing a Comprehensive List of Potential Climate Change Indicators and a Prioritization Framework](#)
- [Maps and Data related to drought](#)
- [Spatial climate models for North America](#)

Water Management

- [Alberta Irrigation Management Model \(AIMM\)](#)
- [Average Daily and Annual Water Requirements](#)
- [Canadian Agricultural Partnership – Water Program](#)
- [Farm Water Supply Requirements](#)
- [IRRI-Cast: Crop Water Use Report](#)
- [Pasture Pipeline Factsheet](#)
- [Quality Farm Dugouts](#)
- [Remote Pasture Water Systems for Livestock](#)
- [Rural Water Quality Information Tool](#)
- [Spring Development](#)
- [Water Pumping Program](#)
- [Water Wells That Last](#)

Algae Bloom

- [Blue-Green Algae \(Cyanobacteria\) in Surface - Water Sources for Agricultural Usage](#)
- [Blue-Green Algae and Livestock](#)
- [Warning: Blue-Green Algae in Alberta Lakes](#)

Heat Stress

General

- [Heat Stress in Animals](#)
- [Heat Stress in Ruminants](#)

Beef Cattle

- [Code of Practice for the Care and Handling of Beef Cattle](#)
- [Heat Stress in Beef Cattle](#)
- [Managing Heat Stress in Fed Cattle](#)
- [Protecting Calves from Heat Stress](#)

Bison

- [Code of Practice for the Care and Handling of Bison](#)

Dairy Cattle

- [Code of Practice for the Care and Handling of Dairy Cattle](#)
- [Feeding Heat Stressed Dairy Cows](#)
- [Heat Stress in Dairy Cattle](#)
- [Heat Stress in Dairy Cows](#)
- [Protecting Calves from Heat Stress](#)

Equine

- [Code of Practice for the Care and Handling of Equines](#)
- [Heat Stress in Equines](#)
- [Horse Care Info Sheet – Dehydration](#)

Goats

- [Code of Practice for the Care and Handling of Goats](#)
- [Heat Stress and Goat Welfare: Adaptation and Production Considerations](#)
- [Heat Stress in Small Ruminants](#)

Poultry

- [Code of Practice for the Care and Handling of Hatching Eggs, Breeders, Chickens and Turkeys](#)
- [Code of Practice for the Care and Handling of Pullets and Laying Hens](#)
- [Fowl: Your Feathered Friends – Your Comprehensive Guide to Keeping Urban Chickens and Small Flocks](#)

Rabbits

- [Code of Practice for the Care and Handling of Rabbits](#)

Sheep

- [Avoiding Heat and Cold Stress in Transported Sheep](#)
- [Code of Practice for the Care and Handling of Sheep](#)
- [Heat Stress in Small Ruminants](#)

Swine

- [Avoiding Production Losses in Swine Due to Heat Stress](#)
- [Canadian Small-Scale Pig Farming Manual](#)
- [Code of Practice for the Care and Handling of Pigs](#)
- [Heat Stress in Pigs](#)

Veal

- [Code of Practice for the Care and Handling of Veal Cattle](#)
- [Protecting Calves from Heat Stress](#)

Feeding Livestock

General

- [Alternative Feeds for Ruminants](#)
- [Canola Meal Feeding Guide](#)
- [Comparative Feed Values for Ruminants](#)
- [Drought Management and Recovery for Livestock Systems](#)
- [Feed Alternatives](#)
- [Livestock Production and Drought](#)
- [Poisonous Outdoor Plants](#)
- [Poisonous Plants on Pastures](#)
- [Utilization Of Fruit and Vegetable Wastes as Livestock Feed and as Substrates for Generation of Other Value-Added Products](#)
- [Valuing Feed on Moisture Content](#)
- [Wheat DDGS Feed Guide](#)

Beef Cattle

- [Alternative Feeds](#)
- [Alternative Feeds for Beef Cattle](#)
- [Alternative Feeds for Beef Cattle](#)
- [Beef Cattle Nutrition Workbook](#)
- [Beef Cow Rations and Winter Feeding Guidelines](#)
- [Beef Feed Value Calculator](#)
- [Cattle, Corn, and Alternative Feeds](#)
- [Creep Feeding Calculator](#)
- [Feed Systems Cost Evaluator](#)
- [Feed Testing & Analysis for Beef Cattle](#)
- [Feeding Cull Potatoes to Dairy and Beef Cattle](#)
- [Resources For Drought Management](#)
- [The Beef Cow-Calf Manual](#)
- [Winter Feeding Programs for Beef Cows and Calves](#)

Bison

- [Basic Bison Nutrition](#)
- [Basic Nutrition of Bison](#)
- [Feeding Bison Cows](#)
- [Growing and Finishing Bison: Principles and Practices](#)
- [Nutrition Feeding Your Bison](#)
- [Poisonous Plants on Pastures](#)

Dairy Cattle

- [Dairy - Feeding and Nutrition](#)
- [Dairy Feed Calculator](#)
- [Drought Strategies for Feeding and Managing Dairy Cattle](#)

- [Feeding Cull Potatoes to Dairy and Beef Cattle](#)
- [Forages and Feeding Dairy Cattle During Drought Conditions](#)
- [Total Mixed Rations for Dairy Cows](#)
- [Using Alternative Feed Ingredients in the Dairy Cow Diet](#)
- [World of Dairy Cattle Nutrition](#)

Equine

- [Feeding Alternatives for Horses](#)
- [Feeding and Management Considerations for Horses](#)
- [Feeding Horses](#)
- [Forage Substitutes for Horses](#)
- [Hay Evaluation Activity](#)
- [Help Extending Hay Supply](#)
- [Horse Feed and Dietary Supply Calculator](#)
- [Nutrients and Common Feed Sources for Horses](#)
- [Nutrition and Feeding Management for Horse Owners](#)

Goats

- [An Introduction to Managed Grazing for Sheep and Goat Producers](#)
- [By-Products for Feeding Goats](#)
- [Calculating Rations for Winter Feeding of Gestating and Lactating Meat Goats](#)
- [Coping with High Feed Costs](#)
- [Goat Feeding By-Products](#)
- [Goats and Their Nutrition](#)
- [Nutrient Requirement Calculator and Ration Balancer](#)
- [Nutrition and Feeding](#)
- [Sheep and Goat Management in Alberta: Nutrition](#)

Poultry

- [Alternative Feed Ingredients](#)
- [Alternative Feed Ingredients](#)
- [Poultry Husbandry Chapter II: Poultry Feeds and Feeding](#)
- [Poultry Rations and Feeding Methods](#)

Rabbits

- [Rabbit Budget and Cost of Production Calculator](#)
- [The Rabbit Industry and Alternative Feedstuffs: A Review](#)

Sheep

- [Coping with High Feed Costs](#)
- [Feeding and Managing Sheep in Dry Times](#)
- [Feeding Corn Silage to Sheep](#)
- [Lamb Feedlot Nutrition](#)
- [Sheep and Goat Management in Alberta: Nutrition](#)
- [Sheep Feeds and Management Guidelines During Drought](#)

- [Sheep Nutrition Fact Sheet](#)
- [Short of Feed ?– Here are Some Options to Consider](#)

Swine

- [Alternative Feed Ingredients for Pigs](#)
- [Alternative Feed Ingredients for Swine Rations](#)
- [Alternative Feed Ingredients in Swine Diets](#)
- [Comparative Feed Values for Swine](#)

Extreme Heat Emergency Preparedness

General

- [Alberta Emergency Alert](#)
- [Alberta Emergency Management Agency](#)
- [Alberta Wildfire App](#)
- [ALERT Line](#)
- [Build an Emergency Kit](#)
- [Emergency and Disaster Preparedness](#)
- [Emergency Livestock Handling Equipment Trailers](#)
- [Emergency Management Guide for BC Small Mixed Farms](#)
- [Emergency Preparedness for Farm Animals](#)
- [Emergency Response on The Farm](#)
- [Livestock Disaster Preparedness Project – DROUGHT](#)
- [Livestock Mortality Management \(Disposal\)](#)
- [Livestock Production and Drought](#)
- [Planning for and Responding to Disasters in Canada: An Approach for Farmers and Farm Organizations](#)
- [ReadyAG Workbook](#)
- [Rural Emergency Plan](#)
- [Saskatchewan Agricultural Drought Preparedness Plan](#)

Beef Cattle

- [Drought Feeding and Management of Beef Cattle: A Guide for Farmers and Land Managers](#)
- [Emergency Management Guide for BC Beef Producers](#)
- [Resources For Drought Management](#)

Dairy Cattle

- [Emergency Management Planning Workbook for BC Dairy Producers](#)

Equine

- [Alberta Equine Emergency Preparedness](#)
- [Barn Fire Prevention Tool](#)
- [Checklist for Fire Safety](#)

Sheep

- [Emergency Preparedness Guide](#)

Swine

- [Emergency Management Guide for BC Pork Producers](#)

Government Supports

- [Agriculture Financial Services Corporation](#)
- [Canadian Agricultural Loans Act program](#)
- [Canadian Agricultural Partnership – Water Program](#)
- [Disaster Financial Assistance and Recovery Support](#)
- [Farm Debt Mediation Service](#)
- [Livestock Tax Deferral Provision](#)
- [Livestock Tax Deferral Provision - 2021 Initial List of Prescribed Regions](#)
- [NRC Industrial Research Assistance Program](#)
- [Price Pooling Program](#)
- [Water Pumping Program](#)

One Welfare

- [Alberta chapter of the Canadian Mental Health Association](#)
- [Alberta Health Services - Mental Health Resources](#)
- [Rooted In Strength](#)
- [The Do More Agriculture Foundation](#)