







HABITAT MANAGEMENT

Ranchers adopt a
Habitat

Management Plan
(HMP) that
addresses
site-specific habitat
goals and
management
actions to benefit
target grassland
bird species.



ANIMAL HEALTH & WELFARE

Certified ranches
demonstrate a
commitment to
properly caring for
livestock by adhering
to livestock
production methods
that reflect best
practices for animal
healthand welfare.
Growth hormones
are prohibited.



ENVIROMENTAL SUSTAINABILITY

By restricting pesticides, minimizing fertilizers, and protecting streambanks, ranching practices result in cleaner streams, healthier soils, increased plant diversity, and more pollinators.



The Three Pillars



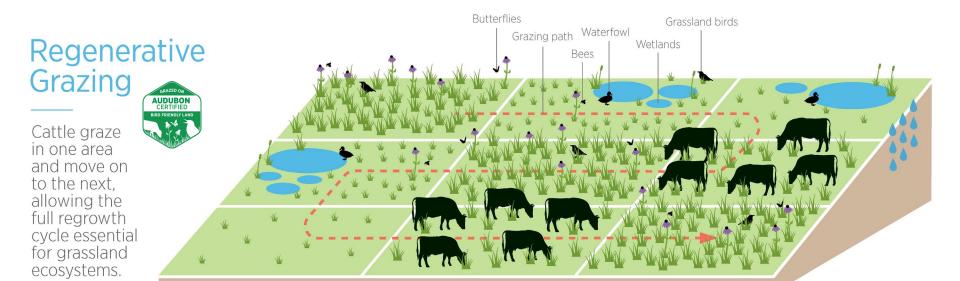






Habitat Management Plans

- Developed for each ranch
- Provide habitat for target grassland birds
- Restoration, diversification, invasive species/brush control
- Regenerative grazing, Managed Grazing as appropriate
- Create patchiness within and among the landscape





DIVERSE HABITAT

Regenerative grazing enhances habitat diversity, which benefits birds, pollinators, and other wildlife.



CARBON SEQUESTRATION

Plants capture atmospheric carbon most efficiently during the regrowth process.



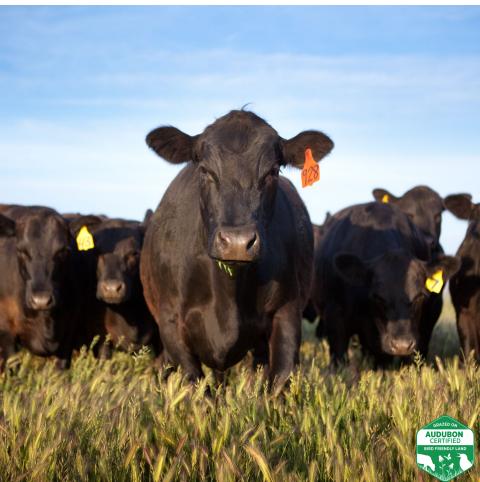
CLIMATE RESILIENCE

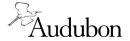
Healthy soils with deep roots hold more water and can withstand droughts.

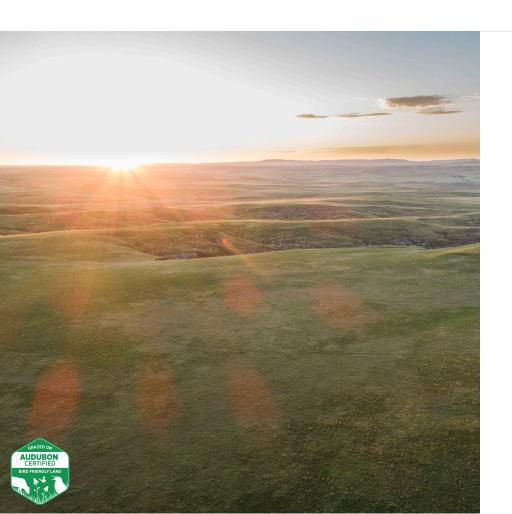


Animal Health and Welfare

- No feedlots, unconfined
- Good health status (BCS 4-7)
- No antibiotics or hormones
- USDA or State-inspected processing plant







Environmental Sustainability

- Riparian protection
- Nutrient management
- No broadcast spraying, unless approved in HMP
- Support insect diversity (no use of neonicotinoids, no Ivermectin)

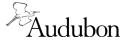


Monitoring: Birds, Vegetation, Soil

As part of our adaptive management approach to measure ranch-level changes with management practices, we conduct monitoring in:

birds, vegetation, and soil health







Bird Monitoring

- Conducted every year during June
- Data are used with land cover data and other variables to develop the Bird Friendliness Index (BFI) for each ranch.
- BFI incorporates species abundance, conservation status, and diversity of the entire community of grassland birds at a site.
- BFI changes are tracked over time at each ranch.



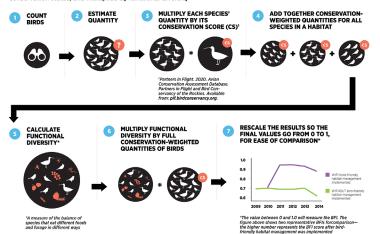
WHAT IS THE BIRD-FRIENDLINESS INDEX?

A metric that measures the abundance, diversity, and resilience of a bird community.

BFI = ABUNDANCE + DIVERSITY + RESILIENCE

HOW DO WE MEASURE IT?

The BFI is the sum product of bird abundance, weighted by conservation status, and multiplied by functional diversity



WHAT DOES THE BFI TELL US?

Areas with higher abundance and more vulnerable birds support healthy communities. High functional diversity means communities are more stable and resilient.













Vegetation Monitoring

- Conducted concurrently with bird monitoring.
- Used to measure progress in goals defined in Habitat Management Plans.



Soil Monitoring

- Measuring existing soil carbon, bulk density, and total nitrogen.
- Water infiltration sampling provides measurements of the improvements in soil-water relationships.
- The Haney Soil Health test integrates chemical and biological measurements to assess the soil nutrient status, microbial biomass and aspects of the microbial habitat to determine overall soil health.





Biodiverse Benefits



Birds + Biodiversity

Regenerative grazing enhances plant diversity and productivity, which benefits birds, pollinators, and other wildlife.



Carbon Sequestration

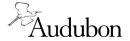
Plants capture atmospheric carbon, most effectively during the regrowth process, which is maximized by periodic short-duration grazing and long periods of rest.



Climate Resilience

Fertile soils with deep roots hold more water and can withstand drought.







Rancher Onboarding Process

- Rancher/producer shows interest in the program.
- An assessment is completed to determine eligibility and suitability for program participation.
- A Habitat Management Plan (HMP) is developed for the ranch.
- The HMP is finalized and signed by the rancher.
 Management actions are initiated to meet HMP goals and program standards.
- A certification audit is scheduled and conducted on the ranch prior to livestock being sold.
- Ranch product is approved for the Audubon "seal" if the audit results are acceptable.

6 months minimun





Audubon Certified Bird Friendly Seal

The Audubon Certified bird friendly seal recognizes lands managed to promote birds and biodiversity.

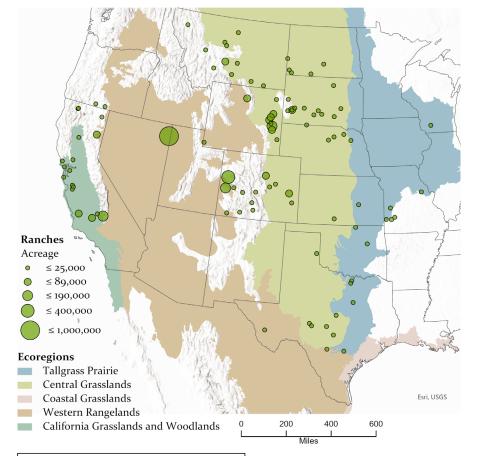
Turning consumers into conservationists through the power of their purchase.

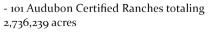




AUDUBON CONSERVATION RANCHING







- Ranches in 14 states (CA, CO, KS, MO, MT, ND, NE, NV, OK, OR, SD, TX, WI, WY)



The Numbers

- 14 states
- 101 ranches certified
- 2.7+ million acres certified





The Data

Birds

Grassland bird abundance increased by **36%** at the first **35** ACR Certified ranches monitored (2016-2019).

At the Fiddleback Ranch in Wyoming, grassland birds have increased in abundance by nearly **180%** on average.

At Round Rock Ranch in Missouri, patch–burn grazing and conversion of fescue to native plants has led to

- 5X increase in Bobwhite Quail
- **6X** increase in Eastern Meadowlark

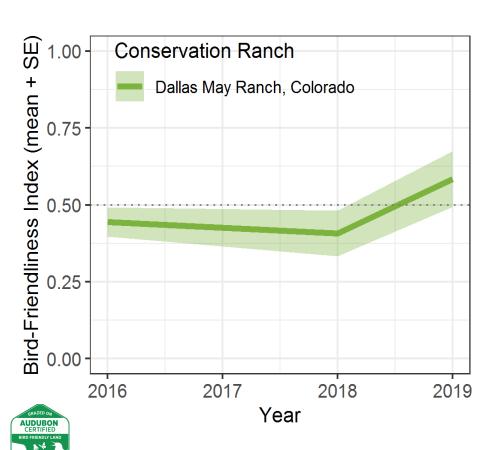
Biodiversity

Our data show functional diversity, a measure of bird community representation, increased by **19**%.

This means that more diverse and resilient bird communities are supported on Audubon Certified Bird Friendly ranches.







Bird Friendliness Index

A Case Study: May Ranch, Colorado

- May Ranch is part of ACR to better conditions for birds on working lands.
- The Bird-Friendliness Index increased by 32% to 0.58 from 2016-2019





Expansion in the Upper Midwest

- · Expanding into Wisconsin & Minnesota
 - Ashly Steinke WI Grassland Ecologist
 - Krysten Zummo MN Grassland Ecologist
- Current WI priority is Driftless and Central WI
 - Starting with Thousand Hills Producers
 - Will include NW WI in next few years
- Current MN Priorities are Driftless, Central, NW
- Eventual expansion in Iowa & Missouri





Protocols Habitat Management Plans use Protocols that incorporate: National standards Specifics catered to regions **Regional Developed Protocols Driftless** Minnesota (Drafted) **Soon to Come Central Wisconsin**



Partnerships

Wisconsin

- Contracted partners with Grassworks/Grassland 2.0 and Sand County Foundation
- Other partners include Driftless Area Land Conservancy, Golden Sands RC&D, Sauk County, USFWS, University of Wisconsin – Extension, Wisconsin DNR

Minnesota

 Minnesota DNR, Pheasants Forever, Sustainable Farming Association, USDA/NRCS, University of Minnesota, USFWS

Interested in Partnering with ACR? Let us know!



