

MD OF RANCHLAND AG BULLETIN

News, updates, and information for our community.



CARBON SEQUESTRATION IN RANGELANDS

Carbon sequestration can occur biologically, geographically or technologically. Rangelands (biological) capture and store carbon before it is able to enter the atmosphere and are responsible for 30% of soil carbon globally. Up to 200 tonnes of carbon in the form of soil organic matter can be stored in one hectare of rangeland. A study conducted in Alberta showed that on average, organic carbon levels were reduced by 33 tonnes per hectare following the conversion of native vegetation to cropland. By absorbing anthropogenic carbon emissions, rangelands store it in a stabilized solid or dissolved form, deferring the warming effects it has on the atmosphere. The method most effective for increasing carbon storage capacity is to convert cropland to well managed rangeland. While measuring carbon sequestration fluctuations is difficult, it is suggested that improving grazing management strategies to increase the net plant production on the land can aid in optimizing carbon storage capacity. If interested in discussing further, please contact Shayna at ag2@ranchland66.com or 403-646-3131.

GRANT TO APPLY FOR

<https://www.alberta.ca/water-program.aspx>

Sustainable Canadian Agricultural Partnership - Water Program

Supports improved agricultural water management and quality by helping producers adopt BMPs. For example, funds wells, springs, dugouts, dams, cisterns, and wetland assessments. Covers 25% of project costs up to \$5000. If interested, contact Shayna at 403-646-3131 or ag2@ranchland66.com.



WEED TO WATCH

Sulphur Cinquefoil






Potentilla recta

ID characteristics: stems upright with some branching, leaves with 5-7 toothed leaflets, flowers pale yellow with dark yellow centers and heart shaped petals.



Katy Chayka 2009

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-  <https://mdranchland.ca/>

If you would like to contribute to this bulletin by writing an article, submitting a photo to be featured, recommending an organization, noxious weed, or grant, or any other suggestions, please send an email to ag2@ranchland66.com with the subject line "Bulletin". Thanks for reading and I look forward to your feedback!




20th Annual


Southern Alberta Grazing School For Women

July 26 & 27, 2023 . Longview, Alberta








Topic's include:






- Grazing Principles and Practices
- Soil Health
- Hands- On Plant ID
- Range Health Assessment
- Livestock Handling
- Managing with Wildlife
- Electric Fencing Demonstration
- Riparian Health Assessments
- Ranching Women Talks
- And MORE!



 **Grazing Schools for Women**

Cost: \$120.00 (includes all meals)
 Details & Registration: <https://SAGSW.eventbrite.ca>

ORGANIZATION HIGHLIGHT

Alberta Wilderness Association

<https://albertawilderness.ca/>



Alberta Wilderness Association

Alberta Wilderness Association is the oldest wilderness conservation group in Alberta (since 1965), seeking a network of representative protected areas. AWA has a proven history of being an effective, credible, and independent advocate for wildlands, wildwater, and wildlife. The organization is made up of members, volunteers, and sponsors throughout Alberta and beyond. They inspire communities to care for Alberta's wild spaces through awareness and action. For more information, visit the website above.

