

Biodiversity Benefits of ALUS

Sustaining Agriculture, Wildlife and Natural Spaces



ALUS helps farmers and ranchers harmonize the demands of agriculture with the important function of natural spaces on their land. ALUS funded projects have restored tens of thousands of acres of wildlife habitat, Tallgrass prairie, wetlands and have contributed to cleaner air, cleaner water, more biodiversity and carbon capture.

Farmers and Ranchers



Farmers and ranchers are natural stewards of our shared environment. As the largest single group of private landowners in North America, they are in a unique position to provide solutions to some of the most pressing environmental challenges of our time, including climate change and biodiversity loss.

ALUS Projects



ALUS works with farmers and ranchers to establish and maintain ecologically beneficial projects.

ALUS provides per-acre annual payments to ALUS participants to recognize their dedication to managing and maintaining the projects on their land.

Restored and Constructed Wetlands

- Improve habitat for avian, aquatic and land species
- Capture excess soil nutrients, preventing fouling of waterbodies
- Provide drought and flood mitigation
- Improve downstream water quality

Restored Tallgrass Prairies

- Attract native pollinators like bees and at-risk species like monarch butterflies
- Retain soil nutrients
- Provide natural forage for wildlife
- Maintain natural food webs
- Reduce crop damage by insects

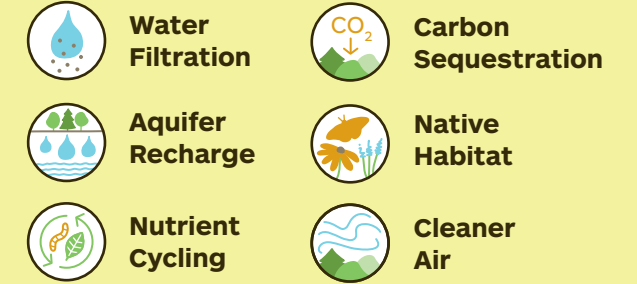
Ecobuffers

- Improve habitat quality
- Reduce soil erosion
- Create wildlife corridors to improve landscape connectivity
- Maintain stream food web function even in landscape-scale farming
- Prevent excess nutrient buildup in watercourses

Biodiversity is Critical for Agriculture

Biodiversity is the foundation that supports all life on land and below water. It is the multidimensional interactions within ecosystems and among species.

Biodiversity supports ecosystem services, which are essential benefits that support human and natural communities.



ALUS Farms and Non-ALUS Farms

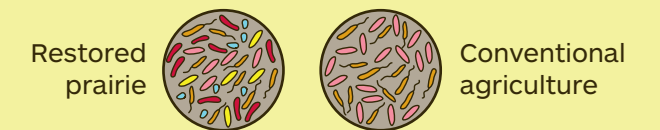
Surveys by the Newman Lab in 2020 detected higher biodiversity on ALUS farms.

Number of distinct bird species



Soil microorganisms have higher diversity in restored prairies compared to conventional agricultural systems.

Soil microorganism diversity



Get Involved!

Support or participate in the program and help ALUS create a healthy landscape that sustains agriculture, wildlife, and natural spaces, one acre at a time. Visit ALUS and the Newman Lab at:

ALUS.ca | comparativephys.ca/newmanlab/

[@ALUSCanada](https://www.instagram.com/ALUSCanada) | [@Newman_lab](https://www.instagram.com/Newman_lab)

[@ALUSCanada](https://www.facebook.com/ALUSCanada) | [ALUS-canada](https://www.linkedin.com/company/ALUS-canada)



GUELPH INSTITUTE FOR ENVIRONMENTAL RESEARCH



CANADA FIRST
RESEARCH EXCELLENCE FUND

APOGÉE CANADA
FONDS D'EXCELLENCE EN RECHERCHE