



**“Advancing agricultural systems that
improve the land and environment for
future generations.”**

Karlah Rudolph

MEnv, PAg

Farmer and Rancher

Gull Lake, SK



Karlah Rudolph, PAg, MEnv
Board Member 2022 - Current
President 2024-2026



SASKSOIL MEMBERSHIP

- **\$50 yearly membership**
- **Discount on all our events**
 - **Field Days and workshops**
 - **Annual Conference**
 - **Webinars**
- **Network with like minded individuals**
- **Join our board!!**
- **We have charitable status**





**Saskatchewan
Soil Conservation
Association**



Evolution of Perspectives on Soil Health and Function



Soil Health Principles

- Keep the Soil Covered
- Maintain a Living Root
- Promote Plant Diversity
- Manage Disturbance
- Integrate Livestock Where Possible



Two Paths Diverged In a Field....



FaRM
Resilience
Mentorship

A Farmers for Climate Solutions Program

This event is funded in part through the FaRM Program

Created by farmers, for farmers.

The FaRM program offers **free, independent online learning, workshops, mentorship, and implementation follow-up support** for:

Cover Cropping

Advanced Nitrogen Management

Advanced Grazing Systems

Create an account today: farmlearninghub.ca

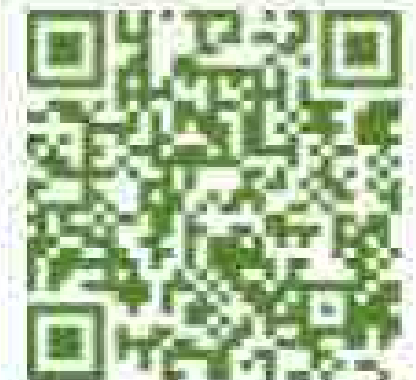


**FARMERS
FOR CLIMATE
SOLUTIONS**

The FaRM Program is generously
supported by our partners

WALTONS
FRESH

Wawanessa



SASKSOIL FIELD DAYS





SAW

Saskatchewan
Association
of Watersheds

NITROGEN MANAGEMENT & COVER CROPPING WORKSHOPS



**Presentations by Joel
Williams & other local
producers.**

- Cut Knife (NM) - Nov 12**
- Conquest (CC) - Nov 13**
- Archerwill (NM) - Nov 14**
- Willowbrook (CC) - Nov 15**
- Drake (NM) - Nov 17**
- Yellowgrass (CC) - Nov 18**
- Gravelbourg (NM) - Nov 19**
- Maple Creek (CC) - Nov 20**



Agriculture and
Agri-Food Canada

Agriculture et
Agroalimentaire Canada

Funding for this project has been provided by Agriculture and Agri-Food
Canada through the Agricultural Climate Solutions (ACS) - On-Farm
Climate Action Fund (OFCAF).

SASKSOIL WORKSHOPS





SOIL HEALTH IS A PUZZLE - WHAT'S YOUR MISSING PIECE?

SOIL HEALTH CONFERENCE

FEBRUARY 11 & 12, 2026 | SASKATOON, SK



**TANNIS
AXTEN**



**DR. MELISSA
ARCAND**



**BLUESETTE
CAMPBELL**



**LAURA
HOIMYR**



**DR. DAVID
JOHNSON**

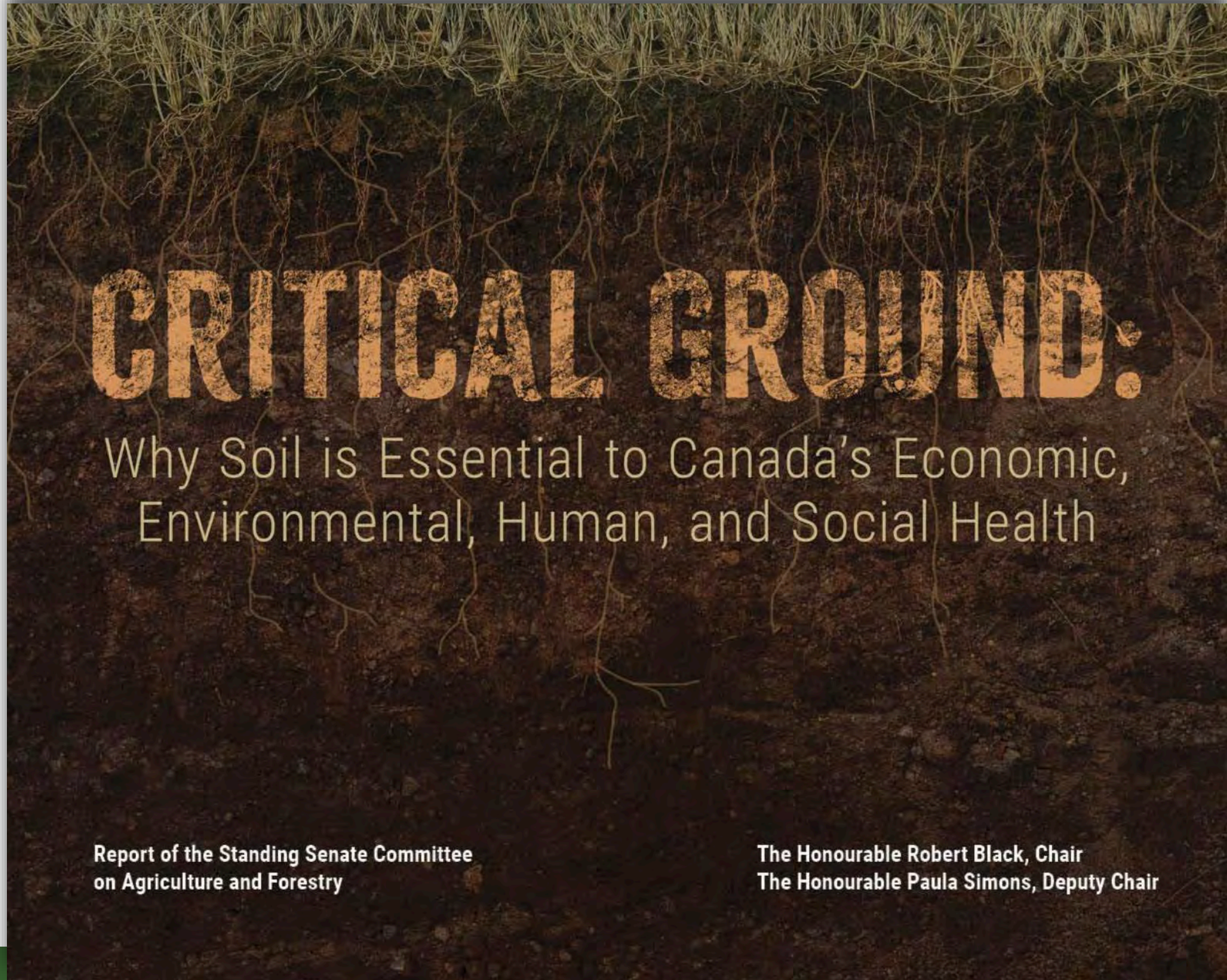


**CYLE
STEWART**



**DUANE
THOMPSON**





Senator Rob Black

WHY DO PRODUCERS COME TO SASK SOIL?

- **Mentoring Networks**
- **Practices and Techniques**
- **New Technologies**
- **Equipment Adoption**





How Do We... Keep the Soil Covered?

Innovative Practices

- **High Carbon Residue Rotations**

Equipment Adoption

- **Non-Inversion Soil Openers (Disc Drill)**
- **Stripper Headers**



How Do We... Maintain a Living Root?

Innovative Practices

- **Cover Cropping**
- **Perennials in Rotation**
- **Winter Cereals**



How Do We... Promote Plant Diversity?

Innovative Practices

- Intercropping
- Cover Cropping - Biennials
- Grazing Annuals
- Multi-Species Perennials

Equipment Adoption

- Seed Separators





ROSCO

ROSCO

ROSCO

HUTCH CLEANER

C-1000



How Do We... Manage Disturbance?

Innovative Practices

- Riparian Buffers and Pollinator Strips

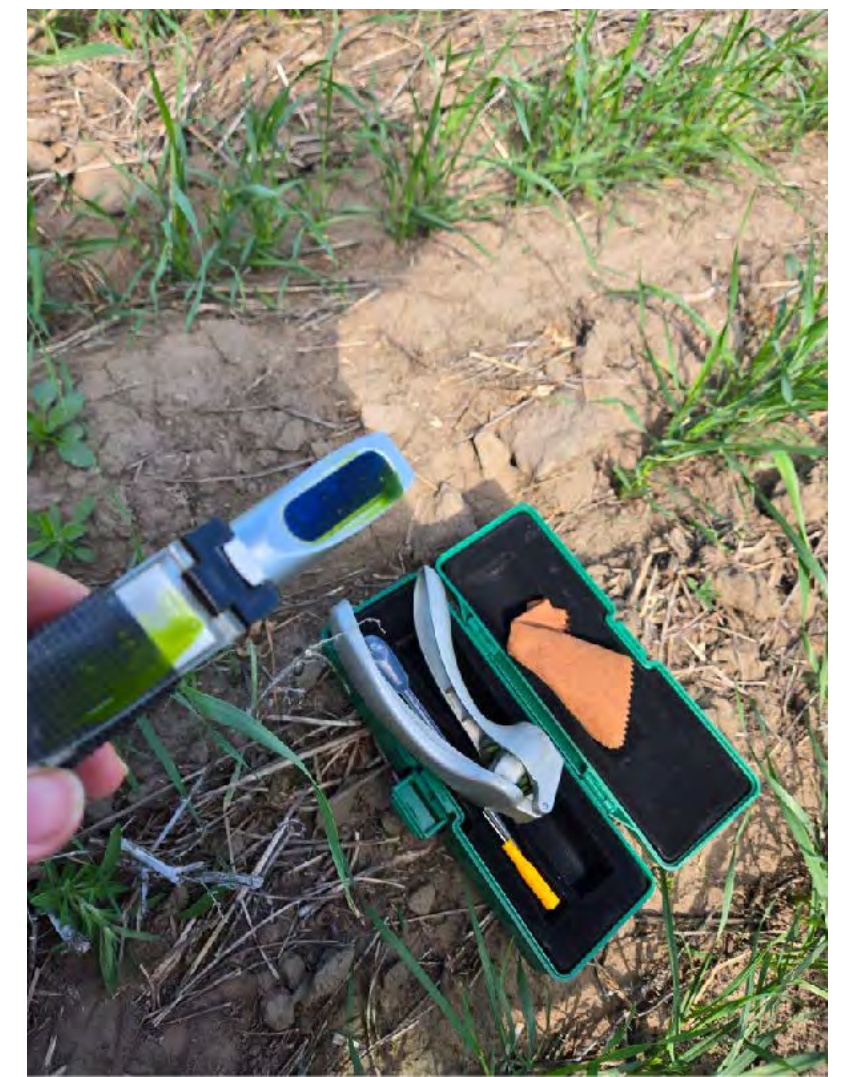
Equipment Adoption

- Disc Drills, Crimpers, Weed Seed Rollers

Novel Technologies

- Fine-Tuned Fertility Tactics: SAP and Tissue Analysis, Mid-Season Foliar Feeding
- RTK/RTX Precision GPS Systems and Field Mapping: variable rate, sectional control
- Sprayer Tech: Greenseeker Tech, pH Adjusters, Water Filtration Systems
- Soil Inoculants and Biostimulants, Commercial “Bio-Hacks”





Fulvic Acid + Protein Hydrolysate + pH Adjuster + Micronutrients = ?????

ANNEMAXX AG

ANNELIDA SOIL SOLUTIONS

BUILDING HEALTHY SOIL

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STOLLER PRODUCT GUIDE

PGRs · SEED TREATMENTS · FOLIAR FERTILIZERS · STRESS REDUCERS

Alltech

CROP SCIENCE

Dealer/Distributor Guide

BioniQ

Barley · Canola · Wheat

PROPAGATION OF BACTERIA BY THE MYCORRHIZAL HYPHAE

1. Bacteria explore their carbon reserves
2. Bacteria absorb this carbon and multiply using the hyphae
3. Bacteria liberate lipopeptides and/or hormones
4. Bacteria protect and stimulate plant growth
5. Protection & stimulation effect

Soileos Zinc

CO-OP

that enhances yields, crop very and sustained bioavailability.

griculture by delivering crop steering carbon. By leaning Soileos Zinc offers a unique thinking, sustainable way.

tes and timing must be established mndations specific to your

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NexusBioAg

Trich ↓ Breaking Bonds (Al, K, P, Ca, N, Fe)

B.a. ↓ Freeing Nutrients

Solubilizes Organic Nutrients

Plant Available

www.nexusbioag.com

BACILLUS

FTB 100

BACILLUS is a bacteria that provides a healthy root zone which leads to better yields. As a root colonizer it stimulates the plant to grow more efficiently.

SERENDIPITA

PTB 200

The beneficial fungus Serendipita indica, a natural microorganism, forms an association with roots of many plants such as cereals and cereals. It induces some of the plant gene expression and promotes phytohormone production.

- IMPROVES ROOTING ENVIRONMENT & PLANT ESTABLISHMENT
- INCREASES PLANT VIGOR & PERFORMANCE
- MITIGATES ABIOTIC STRESSES
- INCREASES CHLOROPHYLL CONTENT
- BETTER PLANT ESTABLISHMENT, GROWTH AND YIELD

www.taurus.ag

Investment Notice

For general information call 1-800-966-4467

Interac flash card

International Card



How Do We... Integrate Livestock?

Innovative Practices

- Perennials In Rotation
- Swath and Bale Grazing
- Grazing Covers
- Grazing Annuals

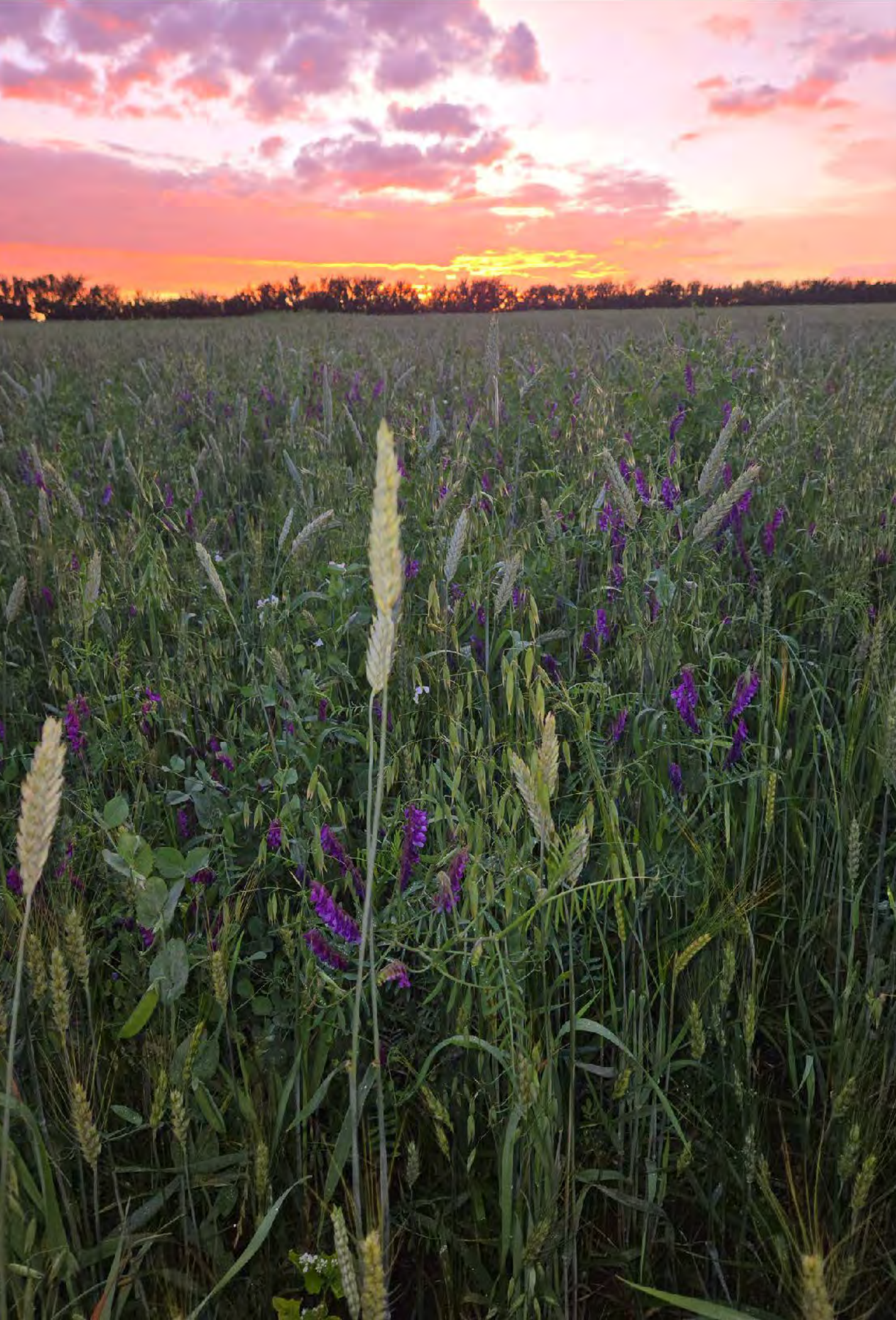
Equipment Adoption

- Chaff Buncher
- Electric Fencing

Novel Technologies

- Virtual Fencing













Easy Ways to Measure Progress

- **Water Infiltration Rates**
- **Aggregate Stability/Slake test**
- **PLFA Test**
- **SOC Concentration**
- **Carbon Mineralization Potential**
- **Tissue / SAP Analysis**



Strong Overlap In Priorities



- **Climate Adaptation and Emission Reduction**
- **BMPs and Environmental Sustainability**
- **Agricultural Technology and Digitization**
- **Innovation in Practices, Technologies and Equipment**
- **Sector Competitiveness**
- **Resilience and Public Trust in Agriculture**

Specifics?



- Consider us as an implementation partner
- Support peer-to-peer learning - it's the best and fastest way!
- Fund cost of: cover seeds, annual seeds intended for grazing, perennial seeds for forage establishment on annual cropland
- Subsidize purchase of equipment: disc drills, stripper headers, on-farm seed cleaning systems, virtual fencing equipment, crimpers, weed seed rollers, chaff butchers, on-farm water filtration systems
- Subsidize purchase of RTK/RTX GPS Systems and Mapping for Variable Rate and Sectional Control, Greenseeker Tech
- Continue SCIC coverage for intercrops
- Build markets for winter cereals
- Offer bonuses for: 4-7 year perennial rotations, winter cereal rotations, riparian and pollinator buffer establishment, use of soil analysis, tissue or SAP analysis, split N applications (include novel sources like protein hydrolysates)



THANK YOU