



SOIL AND CROP SCIENCES
COLORADO STATE UNIVERSITY

Improved Nutrient Use & Manure Management Towards Sustainable & Resilient Agricultural Systems

Colorado State University

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Koronivia Joint Work on Agriculture Civil Society Panel



Photo: Shelby McClelland



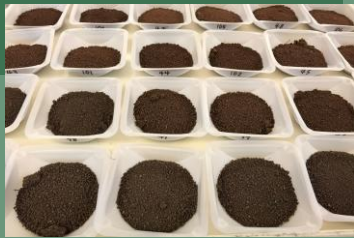
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Challenges and barriers

Soil organic N as a primary N resource in agroecosystems

1



Decoupled crop-livestock systems

2



Link between soil nutrients & crop quality

3



Robust & relevant decision-support tools

4



02



Source: Colorado State University



Photo: Blessing Magonziwa

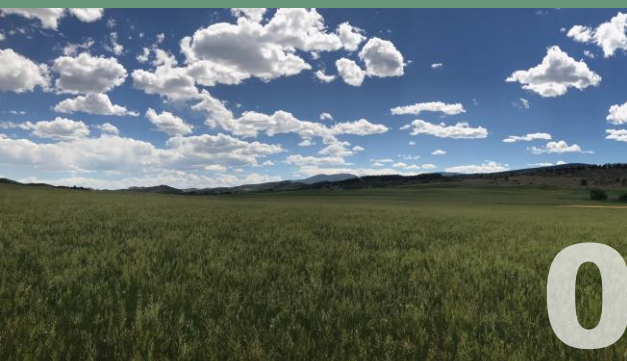


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How can the KJWA and the UNFCCC address these challenges?

Expand nitrogen nutrient management frameworks

Soil organic nitrogen is a key crop nitrogen source.

Incentivize coupled crop-livestock systems

Remove structural & financial barriers.

Invest in robust decision-support tools

Allow for management flexibility to meet targets.

Thank You

Manure Fertilization & Crop Quality

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