

NRCS Update for CCAs

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Topics

- CNMP Revision (Policy and Format)
- Nitrogen N2O Emissions
- Science Tool Portal
 - With Repurposed Planning Tools for NRCS (CST/CD)
- VegSpec
- Increase Acres of Nutrient Management Planning
- Soil Health Division and Efforts
- Erosion Prediction Tools and Integration
- Gypsum Standard (Code 333)

CNMP Revision (Policy and Format)



Signature Page

- CNMP Planner
- Client

Map and Record of Decisions for the Farmstead

- Implementation Requirements
- Engineering Plans

Map and Record of Decisions for the Cropland

- Implementation Requirements
- Engineering Plans

Nutrient Management Plan

Example - Record of Decisions

Waste Storage Facility (Code 313) - A waste storage facility is an agricultural waste storage impoundment/containment made by constructing an embankment and/or excavating a pit or dugout, or fabricating a structure.¶

Tract¶	Land Unit¶	Planned Amount¶	Planned Date¶	Applied Amount¶	Applied Date¶
(None)¶	Farmstead¶	1¶	4/2017¶	¶	¶

Conservation Crop Rotation (Code 328) - Conservation crop rotation is growing a planned sequence of various crops on the same piece of land for a variety of conservation purposes. Implementation Requirements Attached.¶

Tract¶	Land Unit¶	Planned Amount¶	Planned Date¶	Applied Amount¶	Applied Date¶
4356T¶	Fields 1,2,3,4,5,6¶	200 AC¶	¶	200¶	2013¶
4895T¶	Fields 8,9,10,11,12,13¶	250 AC¶	4/2017¶	¶	¶

Example Implementation Requirements



328 - Conservation Crop Rotation Implementation Requirements

Producer:	<u>John Doe</u>	Project or Contract:	<u></u>
Location:	<u>Holstein, TN</u>	County:	<u>Morgan</u>
Farm Name:	<u></u>	Tract Number:	<u>1234</u>

Practice Location Map

(showing detailed aerial view of where practice is to be installed on farm/site, showing all major components, stationing, relative location to any landmarks, and survey benchmarks)

Index

- Cover Sheet
- Specifications
- RUSLE2 or WEPS Printouts
- Operation & Maintenance

Utility Safety / One-Call System Information

Description of work:

Establish and maintain the planned rotation to achieve the identified purposes.

NRCS Review Only

Designed By:	<u>Norman Widman</u>	Date:	<u>2/26/2015</u>
Checked By:	<u>J Roberts</u>	Date:	<u>2/26/2015</u>
Approved By:	<u>Norman Widman</u>	Date:	<u>2/26/2015</u>

Nitrogen N₂O Emissions

USDA GHG Mitigation Strategy for Nitrogen

- N₂O Emissions
- 7 Million metric tons of CO₂ equivalent (MMTCO₂e)
- 64 Million cropland and pastureland acres by 2025
- Utilize the 4R's for Nitrogen Management

Science Tool Portal

**Website
for all
NRCS
Tools**

- **Engineering and Non-Engineering**
- **For NRCS, TSPs, General Public**
- **Re-Purpose NRCS Planning Tools**
- **Hope for 2016 Release**

VegSpec Software

Vegetation Selection Tool

- Soil
- Climate
- Practice
- Purpose

GIS Based

Will Produce a Planting Plan

Increase Acres of Nutrient Management Planning

Allow more
TSPs to use
Industry
Software

Get more
Nutrient
Management
TSPs

Partner with
Agri-
Business

Regional
Conservation
Partnerships

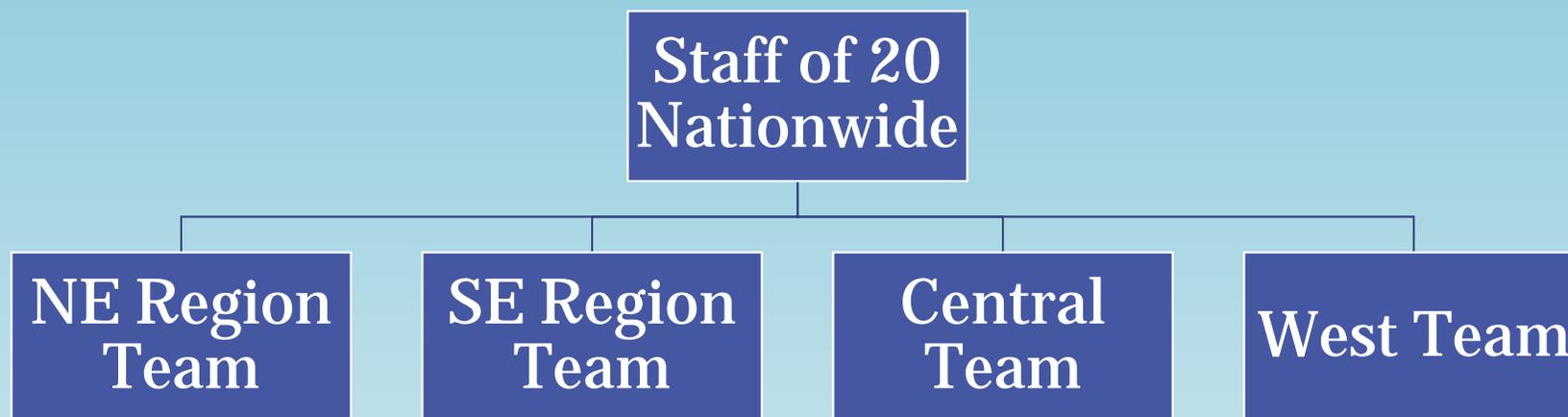
NRCS National Nutrient Management Specialist

Dana Ashford-Kornburger

National Nutrient Management Specialist

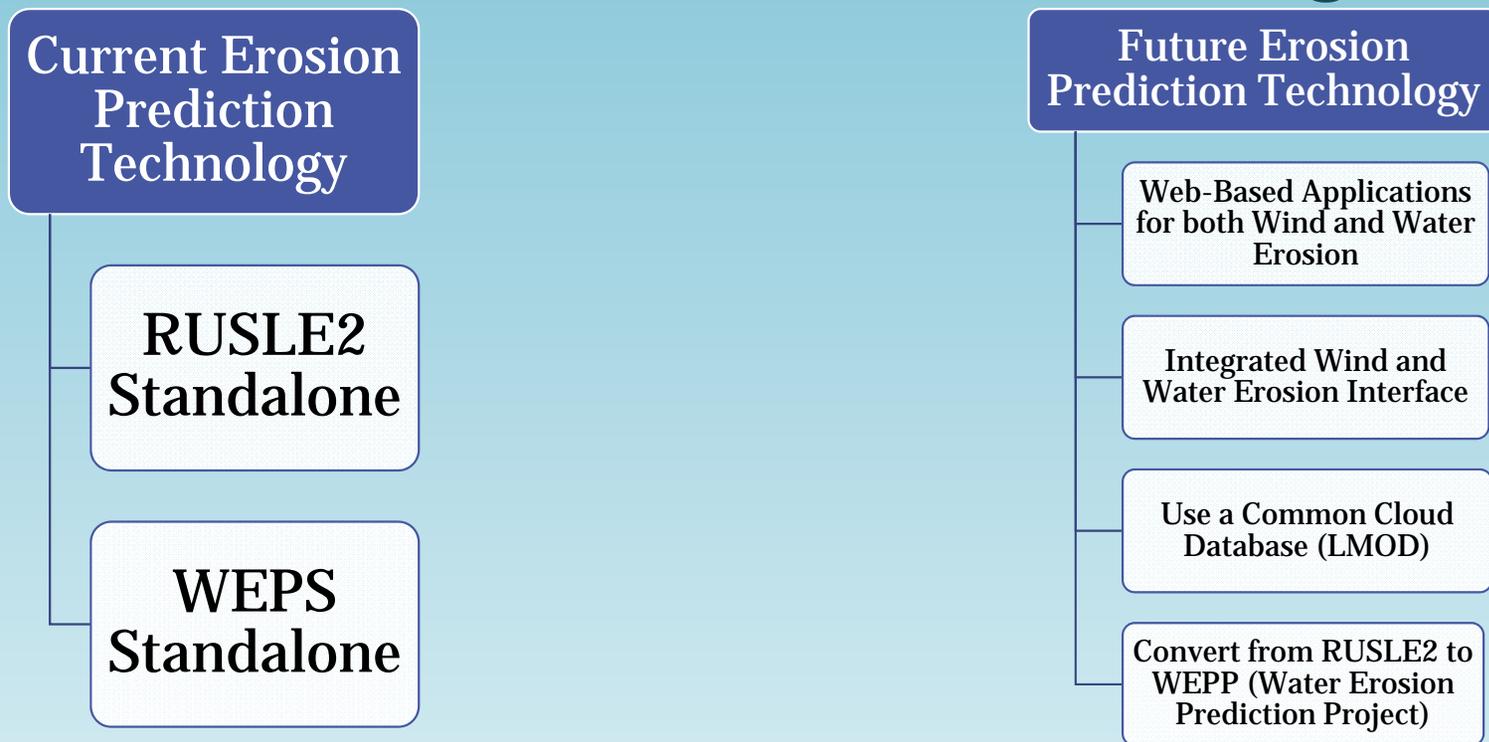
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Soil Health Division and Efforts



Improve the Science of Soil Health
Training
Technical Assistance

Erosion Prediction Tools and Integration



Gypsum Standard (Code 333)

DEFINITION

- Using gypsum- (calcium sulfate dihydrate) derived products to change the physical and/or chemical properties of soil.

PURPOSE

- Improve soil health
- Improve surface water quality
- Improve soil health by ameliorating subsoil aluminum toxicity.
- Improve water quality by reducing the potential for pathogens