



United States Department of Agriculture



Nutrient Management Updates July 2023

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Natural
Resources
Conservation
Service

nrcs.usda.gov/

Wisconsin Continues forward with the 2015 CPS 590

- Recently granted an additional year variance.
- Future changes: Nitrogen Management...future WI NR151 Nitrate performance standard, bedrock mapping, winter spreading.
- Working with UW to develop a future Nitrogen Management Tool-NMT or index tailored for WI soils.
- Continue to train and support cranberry nutrient management planning.
- Focus on drinking water quality
- 2018 Farm Bill
- Especially nitrates
- Currently developing state technical guidance documents regarding LDMI Low Disturbance Manure Injection and related soil conservation planning affects.



Organic Management- Interim CPS 823

- **Adopted May 2023. Interim practice means we get to try it out for up to three years. NRCS provides national annual reporting.**
- **Nutrient management plan must be completed for all manure or fertilizer inputs on organic farms.**
- **Landowners coordinate all products with their organic certifier. Only use products that are OMRI approved. Organic Materials Review Institute at <https://www.omri.org> has lists of allowed products.**
- **Also requires reduced tillage, pest management, grazing management and address other resource concerns.**





823 (Interim Practice) Organic Management Implementation Requirements



Producer:

Location:

Farm Name:

Project or Contract:

County:

Tract Number:

Practice Lifespan – 1 year



Practice Purpose(s):

This practice is used to accomplish one or more of the following purposes (check all that apply):

- Improve soil health by increasing soil organic matter
- Reduce sheet and rill and wind erosion
- Reduce emissions of greenhouse gases (GHG)
- Reduce the transport of nutrients to surface water, groundwater and air
- Reduce the transport of pesticides to surface and groundwater
- Improve plant productivity and health
- Reduce plant pest pressure
- Enhance habitat for wildlife, pollinators, and other beneficial invertebrates
- Improve the quantity and/or quality of forage for grazing, browsing and productivity



Annual ryegrass nutrient management

- **Have worked to update Rusle2 to include annual ryegrass forage plantings**
- **Better account for manure applied to this crop.**
- **Used actual crop growth and forage yields from Wisconsin research.**

- **Will be getting this crop into SnapPlus for planners to use.**



Recent NM plans-challenges



- **High soil test P. Some fields over 150ppm, a few over 300ppm!**
- **Challenging to lower soil test P for dairy farms that have limited spreading acres.**
- **Hauling manure long distances. Recent plan included land 16 miles from the farm. Cost, practicality, road traffic, logistics.**
- **Manure storage volumes: we continue to see them increase, 10-20 million gallons, all the way up to farms having 30 to over 100 million gallons to handle.**
 - New precision waste handling technologies are helping. Such as the Rainfall360 autonomous applicator.



Next WI CPS 590 work is beginning



Standards Oversight Council process through WI Land and Water.

SOC website: [NRCS CPS 590 Nutrient Management | Standards Oversight Council \(socwisconsin.org\)](https://www.nrcs.usda.gov/sovc)

12-member team has been developed.

- **Diverse team of state agency, UW staff, crop consultants, county staff**
- **First SOC 590 meeting will be at the State NRCS Office, August 24.**
- **Monthly meetings over the next year, possibly longer.**
- **Working with the latest 2019 national standard draft, then building state specific criteria**
- **Anticipate seeing a new national standard, late 2024. We can modify our version if there are significant or mandatory changes.**

