

Nutrient Management Plans

(How to make them simpler and easier to implement)

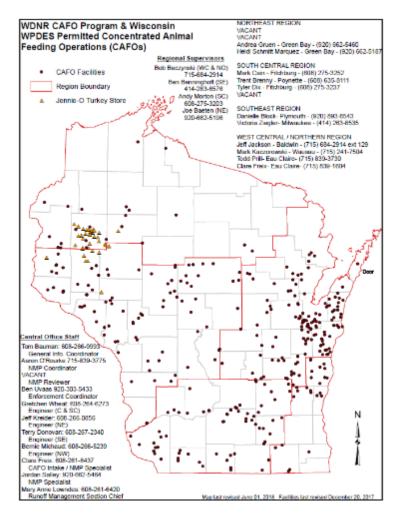
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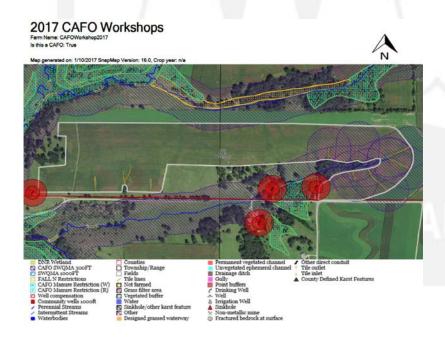
CAFO Nutrient Management Program

- Nutrient Management Program
 - 2 FTE
 - Nutrient Management Program Coordinator
 - NMP Review
 - Manure Hauling Audits
 - Program Policy Development
 - Training, Education, Outreach
 - Cross agency collaboration (DATCP, NRCS, EPA)
 - Nutrient Management Plan Reviewer
 - NMP Review
 - Education and Outreach
 - Manure Hauling Audits
 - 2 LTE
 - Nutrient Management LTE
 - Substantial Revision review
 - Program Administration/ Special Projects



CAFO Nutrient Management Program

- Centralized nutrient management workload
 - More timely reviews
 - More consistent reviews
 - More consistent approvals
 - Relieves Regional Specialists of responsibility





Plan Submittal and Reporting

- 5-year NMP required for permit issuance/re-issuance
 - NMP for full permit term
 - Fields meet all rotational and code requirements
 - Plan shows adequate land base for manure and process wastewater applications
- Annual Report (~ January 31st)
 - Production site inspections, 180 days of storage, Animal units, Planned changes
- NMP Update (~ March 31st)
 - Past/planned applications, Field verification logs, New fields, Fields removed, Manure and soil test results, Equipment calibrations, Other information requested



Sharepoint

- ePermitting system
 - Submittal of Permit Applications
 - 5-year NMPs
 - Substantial Revisions
 - Engineering Evaluations
 - Engineering Plans and Specs
- Intake and Routing
 - Intake completed by specific staff
 - Submittals requiring review are routed to proper staff
 - Staff and public can access document sets and review materials
- Ease for applicants
 - Required documents are identified in application
 - All required documents must be attached before proceeding



Manure Hauling Audits

- Complaint & Spill/Runoff audits commonly done.
 - Higher priority.
 - Tend to be reactive.
- Compliance Audits have been emerging more recently.
 - May evolve into a spill/runoff audit.
 - Tend to be proactive.
- Audits Reinforce the work we do.
 - Permit
 - NMP
- Proactive means of protecting water quality.
- Opportunity for education and questions from farmers, NM Planner, Professional Haulers.





Annual CAFO Workshops

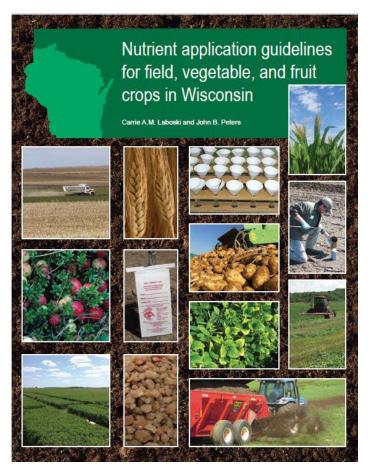
- 8 locations around the state
 - Different parts of state have different issues, questions, concerns
- Program updates, NMP topic, Engineering topic, misc. topic, UW-Extension
- Opportunity for questions, outreach, information
 - Questions after presentations and open WDNR panel after workshop
- Attendees: NM Planners, Crop Consultants, Farm operators, County Staff, internal and external agency staff





SnapPlus

- Soil Nutrient Application Planner
 - Wisconsin's nutrient management planning software
 - Design, programming, upkeep, and advancement by University of Wisconsin SnapPlus team
 - · Funded by WDNR, DATCP, UW
 - Helps farmers make the best use of their onfarm nutrients, as well as make informed and justified commercial fertilizer purchases
 - Calculates potential soil and phosphorus runoff losses on a field-by-field basis
 - Assists in the economic planning of manure and fertilizer applications
- Programmed with A2809 crop nutrient recommendations
 - Written and Published by UW researchers
 - WI specific crop recommendations
 - N, P, K emphasis with micronutrient information
 - Continuously conducting additional research and updating publication



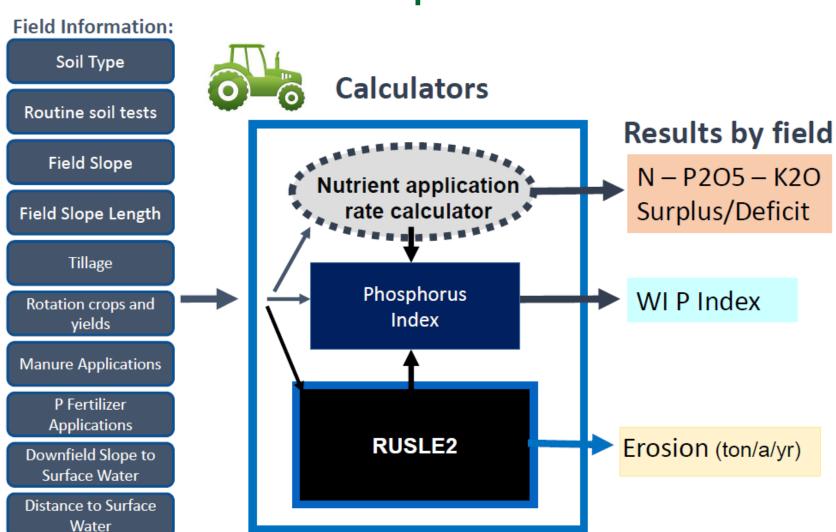
SnapPlus

- Programmed with WI NRCS 590 standard and NR 243 (WI CAFO WPDES permit requirements)
 - Program will flag compliance issues that violate NRCS 590 and/or NR 243
 - Will give an explanation of what the compliance issue is
 - WDNR and DATCP continuously work with SnapPlus team to ensure up-to-date code requirements are understood and entered into the program
- Program is used for planning and for tracking past practices and applications
 - Past practices and applications will change future recommendations





SnapPlus





Test revised.snapDb



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Questions?