

INMC Meeting Notes

October 12, 2017

Members present: David Hardy (by phone), Joe Hudyncia, Michael Shepard, Christine Lawson, Colleen Hudak-Wise, Joey Hester, David Crouse, Jeff Young, and Deanna Osmond

Guest present: Chris Jernigan, Rob Austin

- 1. Approve Minutes:** Minutes from the May meeting were not presented but we will include them in this email and ask for approval
- 2. Discuss INMC Committee Membership:** Membership consists of 3 NC State soils faculty, 2 Agronomic Division of NCDA, 2 Soil and Water Division of NCDA, 1 Environmental NCDA, 1 DEQ, and, of course, any guests
- 3. Nutrient Management Software Update:** Release is expected by the end of October. Information on the new software is already available on the nutrient management website. The old tools will be there too but with a disclaimer about having old databases that may make results incorrect. Christine is providing language that will flag the problem with the old software. The new software won't load on NRCS computers with Win 10 due to firewall issues. Work is continuing to fix this problem. Training for the new software will be provide through an on-line webinar (this fall), a recording that will be placed on the nutrient management website, training in Raleigh (NC State GIS lab) in December (Michael will contact Rob), and spring training in eastern and western NC.
- 4. GIS RYE Interface:** The GIS RYE interface is not working. Joe H. will work with Dan (NCDA Emergency Program) to get this fixed. Joe will be the contact and keep us informed about ongoing work. Fortunately, Joe was able to have the problem fixed.
- 5. RYE Data Base Migration:** The RYE data base needs to be migrated and we are suggesting it gets moved to NC CES IT. Crouse will check on this.
- 6. Nitrogen Strip Trials:** Yield data from ~100 site years for corn and ~125 for wheat was provided and discussed. It suggests that N rates and yields may be increased or decreased. After reviewing the data, the committee decided that we would continue to explore the data set and present more information at the next meeting.
- 7. PAN Rate on Rye Overseed:** Chris Jernigan, NCDA Agronomist, presented a change they would like to see regarding the application of PAN on overseed rye. The suggestion is that the total 100 lb N per acre can be applied but 50 lb N per acre should be applied October to December and 50 lb N per acre applied January to March. Only 25 lbs of this 100 lbs N per acre can be applied in December and January. The committee discussed this change and agreed that it is a win-win; it will lessen N losses and increase

management flexibility. The committee voted for this concept to be taken to the 1217 committee. Christine will provide the “official language.”

8. **Definition of Agronomic Rates:** 2T rules are going through review and we were asked to help with defining agronomic rate. Christine will send us the current definition and Crouse, Osmond, Smyth, and Hardy will work on a better definition. Over the course of the next week a subgroup consisting of Crouse, Osmond, Smyth, Hardy and Spencer agreed to the following definition....“Agronomic rate” is defined as the amount of nutrient(s) applied per acre from all sources to meet, but not exceed, crop nitrogen needs unless a different nutrient of concern is determined to be applicable to a land application crop or field. Specifically, nitrogen needs of the crop shall be based on the Interagency Nutrient Management Committee (INMC)- approved RYE data base, accessed through the Nutrient Management in North Carolina web site. This database considers realistic yield expectations (RYE) established for a soil series or a farm's own yield history records, and standard N efficiency factors. If any nutrient besides nitrogen is determined to be of concern to a land application crop or field, the “agronomic rate” is based on considerations related to that nutrient.

This definition was sent to Christine.

9. **2T Rules and Animal waste residuals:** Christine learned that animal waste residuals do not have to be treated like human residuals. How should they be treated? The committee had no ideas.
10. **Continuing Education:** All technical specialists will need 6 hours every 3 years. Division Soil and Water will need to develop a process for tracking and approval of courses. They will let us know as this progresses.
11. **Nutrient Management Specialist:** NC State Crop and Soil Sciences will start advertising for a nutrient management specialist. We hope to have that person on board by July 2018. We discussed the possibility of this position teaching RUSLE along with a soil scientist from Soil and Water.

12. Reminder 2018 Meeting Dates

January 22, 2018: N rates for biofuels; N rates for bermuda

March 8, 2018

May 10, 2018

July 12, 2018

September 13, 2018

November 8, 2018