

AMT progress and timeline

05/09/2025

Decisions as of April 2025:

- October 2024
 - The acres of Grains with Manure should be determined using Plant Available Nitrogen
- February 2025
 - We will alter the Land Uses in CAST to represent Managed and Unmanaged Hay as well as Managed and Unmanaged Pasture.
 - We will modify the manure spread algorithm to create a fourth group and fill these groups as follows;
 - a. Group 1: Grain with manure, Silage with manure, managed Other hay, managed pasture,
 - b. Group 2: Small grains, double cropped, other crops, specialty high, specialty low,
 - c. Group 3: Other Hay, Pasture,
 - d. Group 4: Soybeans, Legume Hay.
 - The AMT approved the provided definitions for managed and unmanaged hay and pasture for Phase 7.
 - The AMT approved the language that acres of managed hay and pasture will be reported by states by November 1st .
Decision: The AMT accepts the NM effects with a non nm multiplier of 1.2 for N and 1.5 for P for Phase 7.
- April 2025
 - Both crops; Other haylage; grass silage and greenchop AND Other Dry Hay should have no nitrogen fixation associated with them*.
 - * The mixture of species composing these crops may contain leguminous species, but expert opinion determined that there is no accurate way to parse out the percentage of crops from the mixture as reported by NASS which fix Nitrogen. Furthermore, the percentage of leguminous crops is likely a small proportion. Therefore, the group suggested the Nitrogen fixation rate should be zero since it does not affect N losses from this land use or the application of any other N sources to this land use. Note, not including N fixation makes cropland mass balance calculations inappropriate for these land uses.)

What is currently on our plate?

Crop yield trends

Agricultural inorganic fertilizer data

Ag Land Use mapping input

Broiler manure data update

BMP related data processing

Initial topics list

Rank	Topic
1	Crop nutrient application
2	Re-evaluate Land Uses
3	Manure production factors
4	Nutrient Application
5	Legume nitrogen fixation
6	Timing of crop nutrient applications
7	Manure storage and handling losses
8	Crop uptake vs removal
9	Nitrogen mineralization
10	Manure Transport
11	Double cropping
12	Re-evaluate animal types
13	Agricultural plant categories
14	Soil and Water Extractable Phosphorus
15	Housing and in field volatilization
16	Ensure Model data transparency
17	Re-evaluate Cover factors
18	Fertilizer bucket scale processing (NOTE a fertilizer investigation is underway which will have more information by Q2 of 2023)
19	Examine potential Agricultural data sources (NOTE a fertilizer investigation is underway which will have more information by Q2 of 2023)
20	Feeding operations (NOTE Land Use information will be available to address this issue in 2024)
21	Additional Soil nutrient supplement groups
22	Revisit AAPFCO NH4 to NO3 (NOTE a fertilizer investigation is underway which will have more information by Q2 of 2023)
23	Changing environmental conditions and crop types
24	Biologicals

Initial topics list

Topic has been or is being discussed

Decision related to this
topic has been made



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1	★ Crop nutrient application
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Animal unit vs animal system BMP representation in CAST

Please provide feedback

Do we need to change focus?

- Should we drop anything or pick anything up?
- Can we live with what we have on the docket now?

Do we need to change meeting frequency?

- More often through September?

Email by 5/23/2025

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