

## Agricultural Modeling Team (AMT) Meeting

March 14th

09:00 AM – 11:00 AM

[Meeting Materials](#)

Microsoft Teams: [Join the meeting now](#)

Meeting ID: 246 929 423 243

Passcode: z872qn

Dial-in by phone: [+1 202-991-0477,,913721509#](#) United States, Washington DC

*This meeting will be recorded for internal use to assure the accuracy of meeting notes.*

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### Statement of purpose:

*To discuss the placement of relevant crops into Land Uses, the use of new broiler industry data, and inorganic fertilizer representation in Phase 7.*

### Decision items:

1. Approve the [February minutes](#)

### Announcements:

- Loading Rate Ratio Group meeting March 5<sup>th</sup>, 2025
  - Subgroup determining the relationship between nitrogen loading for new Land Uses.

### **Introduction/Recap: 09:00-09:15 [15 min (Zach Easton, Virginia Tech)]**

Zach will seek approval of the February minutes and walk through today's topics.

### **Other Hay Crops 09:15-09:35 [20 min (5 min presentation 15 min discussion) (Tom Butler, EPA)]**

Last month the AMT voted to implement two new agricultural land uses, managed pasture, and managed hay. While implementing these changes we became aware of a N fixing crop within an existing hay category. We feel this is an error and that the crop should be moved to fit with leguminous crops in the nutrient application algorithm. We will discuss the implications of this change and decide how to proceed.

[Decisional.](#)

### **Poultry Industry Data 09:35- 10:20 [45 min (15 min presentation 30 min discussion) (Chris Brosch, DDA)]**

Previous efforts revealed data deficiencies which proved prohibitive for the adoption of poultry industry datasets. We will hear about a possible new method to fill these deficiencies for broilers in Phase 7. [Informational.](#)

### **Inorganic Fertilizer 10:20-10:55 [35 min (15 min presentation 20 min discussion) (Tom Butler, EPA; Alex Soroka, USGS)]**

We will continue discussing the current processing and application methods for inorganic fertilizer in CAST Phase 6. This will serve as the starting point for changes to scale and application for Phase 7. It also includes potential updates on a modeling approach to simulate inorganic fertilizer applications across the Chesapeake Bay watershed. [Informational.](#)

**Recap/Closing 10:55-11:00 [5 min (Zach Easton, VT)]**

**Action Items:**

- Discuss: Ag Land Use Crops in other hay, Poultry data, and inorganic fertilizer data.

**Adjourn – 11:00**

**Up Next:**

Office Hours: Friday, April 11<sup>th</sup>, 2024, from 8:00 - 9:00 am.

AMT Meeting: Friday, April 11<sup>th</sup>, 2024, from 09:00 - 11:00 am.

**\*\*Common Acronyms**

AgWG- [Agriculture Workgroup](#)

AMT- [Agricultural Modeling Team](#) (Phase 7)

BMP- Best Management Practice

CAST- [Chesapeake Assessment Scenario Tool](#) (user interface for the CBP Watershed Model)

CBP- [Chesapeake Bay Program](#)

CBPO- Chesapeake Bay Program Office (houses EPA, federal partners, and various contractors and grantees working towards CBP goals)

CBW-Chesapeake Bay Watershed

CRC- [Chesapeake Research Consortium](#)

EPA- [United States] Environmental Protection Agency

PSC – [Principals' Advisory Committee](#) (CBP)

STAC- [Scientific & Technical Advisory Committee](#)

TMDL- Total Maximum Daily Load

WQGIT- [Water Quality Goal Implementation Team](#)