

Agricultural Modeling Team (AMT) Meeting

January 10th

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.

Statement of purpose:

Evaluate industry data, Land Uses, and Inorganic fertilizer and discuss potential alternatives for Phase 7.

Decision items:

1. Approve the [December minutes](#).
2. Decide on Pasture and Hay Land Uses for Phase 7.
3. Decide on the manure application groupings for Phase 7.

Announcements:

- NA

Introduction: 09:00-09:05 [5 min (Zach Easton, Virginia Tech)]

Seek approval of [December minutes](#) and walk through agenda.

Poultry Industry Data 09:15- 10:00 [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.**

Pasture and Hay Land Uses 10:00-10:40 [40 min (10 min presentation 30 min discussion) (Tom Butler, EPA)]

Last month the AMT voiced support for investigating new Land Uses for managed and unmanaged hay and pasture. Input was used to create these new Land Uses and run a new potential version of CAST. We will present the results of this run and a control run to compare applications with these new Land Uses.

Decisional:

- We should alter the Land Uses in CAST to represent, Managed and Unmanaged Hay as well as Managed and Unmanaged Pasture.
- We should modify the manure spread algorithm to create a fourth group as proposed by Virginia for Phase 7.

Inorganic Fertilizer 10:40-10:55 [15 min (5 min presentation 10 min discussion) (Alex Soroka, USGS)]

We will discuss possible examining a potential modeling approach to simulate inorganic fertilizer applications across the Chesapeake Bay watershed. We would like to determine the level of support from the group to pursue this endeavor. **Informational.**

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

Action Items:

- Provide feedback on inorganic fertilizer investigations.

Adjourn – 11:00

Up Next:

Office Hours: Friday, February 14th, 2024, from 8:00 - 9:00 am.

AMT Meeting: Friday, February 14th, 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](#)