

## Agricultural Modeling Team (AMT) Meeting

June 13<sup>th</sup>

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#](tel:+12029910477)** 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 Inorganic fertilizer data sources and processing in CAST, in addition to N fixation, and animal systems excess for Phase 7.*

### Decision items:

1. Approve the [May minutes](#)

### Announcements:

- May 22 meeting of the Land Use Loading Ratio Subgroup
  - Improved our understanding of how to potentially split land uses in literature.

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

Zach will go over the feedback regarding our path forward to the end of September. This will include our topics and the timeline for dealing with them.

### **Inorganic fertilizer 09:15- 10:05 [50 min (20 min presentation 30 min discussion) (Joseph Delesantro, ORISE)]**

We will compare several inorganic fertilizer datasets in addition to examining how various factors correlate with fertilizer applications. We will also walk through how inorganic fertilizer data is processed in CAST and collect feedback on what partners would like to see modified from this process. Additional data will be requested from states. [Informational, Feedback requested](#)

### **Nitrogen Fixation 10:05-10:30 [25 min (10 min presentation 15 min discussion) (Tom Butler, EPA)]**

We will walk through how N fixation works in CAST currently and how it will change when we utilize the new yield data for Phase 7. [Informational](#).

### **Animal Systems Excess Discussion 10:30-10:55 [25 min (10 min presentation 15 min discussion) (Bill Keeling, VA DEQ; Tom Butler, EPA)]**

It has been brought to the partnership's attention that circumstances have arisen where BMPs are being submitted in excess of what CAST shows possible. In these cases, excess BMPs are not given credit within CAST. We will examine potential causes and solutions for this. [Informational](#).

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

**Action Items:**

- Discuss: Inorganic fertilizer data sources and processing in CAST, in addition to N fixation, and animal systems excess.
- Data request for state reported fertilizer sales tonnage data.

**Adjourn – 11:00**

**Up Next:**

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

AMT Meeting: Friday, July 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](#)