

## **Agricultural Modeling Team (AMT) Meeting**

May 12<sup>th</sup>, 2023

09:00 AM – 11:00 AM

[Meeting Materials](#)

**Zoom Link:** <https://umces-edu.zoom.us/j/83326580784>

**Meeting ID:** 833 2658 0784

**Passcode:** 573041

**Phone:** +1 301 715 8592 US (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 evaluate the crop yield and land uses in CAST and discuss potential alternatives for Phase 7.*

### **Decision items:**

1. Approve the [April minutes](#)
2. Crop Yields and Land Use discussion

### **Announcements:**

- Fertilizer Expert Group meeting Monday May 1<sup>st</sup>. Discussion of Phase 6 inorganic fertilizer data sets.
  - Tentative recommendations [here](#).

### **Introduction: Recap Previous Action items – 09:00-09:20 [20 min (Tom Butler, EPA)]**

From the last meeting, we have decided to create an AMT specific version of CAST to test updates for the model. The first change to this version was to remove the timing of applications. There were several other requests for data visualizations including:

- Determine if a sensitivity analysis on the relevant CAST topics has been performed which can guide the group's efforts in developing the phase 7 inputs
- Visualize how fertilizer shifts across the watershed when timing is removed in the model
- Determine the contributions to land area and load for specialty crops

### **Scenario Discussions: Crop Yields, and Land uses 09:20-10:55 [95min (20 min presentation 75 min discussion) (Tom Butler, EPA)]**

We will discuss how to improve crop yield data within CAST and the impact this might have on how different crops are aggregated in the Phase 7 model.

### **Closing –10:55-11:00 (5 minutes)**

### **Action Items:**

- Discuss Crop Yields and Land Uses

### **Adjourn – 11:00**

Up Next: Friday, June 9<sup>th</sup>, 2023 from 09:00 - 11:00am.

**\*\*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](#)