

## Agricultural Modeling Team (AMT) Meeting

April 12th  
09:00 AM – 11:00 AM

[Meeting Materials](#)

[Join the meeting now](#)

Meeting ID: 246 929 423 243

Passcode: z872qn

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*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 loading rates/ratios in CAST and discuss potential alternatives for Phase 7.*

### **Decision items:**

1. Approve the [March minutes](#)
2. Sandbox: Crop Yield projection method for major yielding crops.

### **Introduction/Recap: 09:00-09:15 [15 min (Tom Butler, EPA)]**

Tom will provide a quick recap of last month's AMT.

### **Crop Yield trends 09:15- 09:35 [20 min (5 min presentation 15 min discussion) (Joseph Delesantro, ORISE)]**

We will hear several options for predicting the major yielding crops which are used in CAST. The goal is to create a tentative decision on which method is the best improvement on the current methodology. We will then turn towards further discussion and set the stage for next month where we hope to finalize a method for dealing with the smaller yield crops.

**SANDBOX DECISION**

### **Manure Acre Calculation 09:35-10:55 [80 min (20 min presentation, 60 min discussion) (Tom Butler, EPA)]**

We will continue discussion on how manure acres are calculated in CAST. Several group members have brought up a desire to tie this calculation to other metrics, such as Plant Available Nitrogen. **Informational.**

### **Recap/Closing 10:55-11:00 [5 min (Tom Butler, EPA)]**

### **Action Items:**

- Discuss: crop yields update, and relevant Ag Land Use and manure acres for Phase 7.

**Adjourn – 11:00**

Up Next:

Office Hours: Friday, May 10<sup>th</sup> , 2024, from 8:00 - 9:00 am.

AMT Meeting: Friday, May 10th, 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](#)