

Agricultural Modeling Team (AMT) Meeting

April 11th

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:

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. Other Hay crop composition and fixation

Announcements:

- Open for the group

Introduction/Recap: 09:00-09:15 [15 min (Zach Easton, VT)]

Zach will go over the meeting materials and seek approval of the March minutes.

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

Last month it was noted that several of the crops within the current Other Hay Land Use have the same definition in the Census of Agriculture. These crops are currently treated differently in CAST regarding the fixation of Nitrogen. After discussion last month we will decide the most accurate Land Use to place these crops in and the rate that they fix Nitrogen.

Decisional.

Crop Yield trends 09:35-10:15 [40 min (10 min presentation 30 min discussion) (Joseph Delesantro, ORISE)]

We will hear about the progress that has been made to improve the crop yield trends for Phase 7. Feedback will be elicited to finalize this item in the coming months.

Informational.

Inorganic Fertilizer Update 10:15-10:55 [40 min (10 min presentation, 30 min discussion) (Tom Butler, EPA)]

We will continue discussions on what improvements can be made to inorganic fertilizer application for Phase 7. This includes updates on the current plans for raw data sets and the algorithm used for applications. Feedback will be used to improve the representation of fertilizer in Phase 7. Informational.

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

Action Items:

- Discuss and provide feedback on: Crop yield trend methods, inorganic agricultural fertilizer data for Phase 7.

Adjourn – 11:00**Up Next:**

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

AMT Meeting: Friday, May 9th, 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](#)