

Agricultural Modeling Team (AMT) Meeting

December 8th

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.

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 [November minutes](#)

Announcements:

- [December 11](#) WQGIT monthly Water Quality GIT meeting to hear updates on the latest [Beyond 2025 Steering Committee](#) activities.

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

Approval of [November minutes](#) and take attendance.

Crop Yield trends 09:05- 09:40 [35 min (15 min presentation 20 min discussion) (Joseph Delesantro, ORISE, Tom Butler, EPA)]

We will recap the importance of Crop Yield data in CAST as well as discuss progress being made to improve long term crop yields. This includes multiple potential approaches for estimating yields from the Five-Year Census of Agriculture using correlations to crops with existing annual yield data.

Land Uses in CAST 09:40-10:50 [70 min (15 min presentation 55 min discussion) (Tom Butler, EPA)]

We will discuss how Land Use classifications within CAST's existing structure. This will be followed by several questions designed to prompt discussions about how to potentially improve the Land Use classifications for the next iteration of CAST in Phase 7.

Recap/Closing 10:50-11:00 [10 min (Zach Easton, VT)]

Action Items:

- Discuss crop yields update and relevant ag Land Uses for Phase 7.
- [Crop relationships poll](#) **Due TODAY.**

Adjourn – 11:00

Up Next: Friday, January 12th, 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](#)