

Agricultural Modeling Team (AMT) Meeting

November 9th

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 [October minutes](#)

Announcements:

- At the [October AgWG](#) and [WQGIT](#) manure [eligibility](#) was discussed for Phase 6 only.
 - Consensus approval was reached at both the [AgWG](#) and [WQGIT](#).

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

Approval of October minutes and take attendance.

Crop Yield trends 09:05- 09:45 [40 min (15 min presentation 25 min discussion) (Joseph Delesantro, ORISE, Tom Butler, EPA)]

Discussion will continue regarding progress being made to improve long term crop yields gathered from USDA data. This includes multiple potential approaches for estimating yields from the Five-Year Census of Agriculture using correlations to crops with existing annual yield data.

Action:

- 1) Request that anyone with relevant crop yield data provide this for our analysis.
- 2) Request for feedback between crops with and without data.

Land Uses in CAST 09:45-10:45 [60 min (15 min presentation 45 min discussion) (Helen Golimowski, Devereux Consulting)]

Helen will provide background information on how current BMPs are reported and the level of detail for land uses which is used to report practices. This discussion will prompt feedback on if maintaining increased detail related to land uses is necessary given BMP reporting practices.

November Recap/Closing 10:45-11:00 [15 min (5 min presentation 10 min discussion) (Zach Easton, VT)]

Zach will go over this month' progress for Crop Yields and Land Uses as well as relevant information on how CAST addresses cover crops.

Action Items:

- Provide data for crops without regularly updated yield information.
- Provide feedback on which crops might share yield trends.
 - [Voting members only](#) poll will be distributed.
- Discuss relevant ag Land Uses for Phase 7.

Adjourn – 11:00

Up Next: Friday, December 8th, 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](#)