

Agricultural Modeling Team (AMT) Meeting

July 14th, 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.

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 [June minutes](#)
2. Determine possible statistical application scenarios for Crop Yield.

Announcements:

- [Fertilizer Expert Group](#) Phase 7 recommendations are working through the partnership:
 - Conduct in depth searches for different sales and application data sets.
 - Evaluate differences in data processing.

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

Approval of June minutes and take attendance.

Scenario Discussions: Crop Yield trends 09:05-10:55 [110 min (15 min presentation 95 min discussion) (Tom Butler, EPA; Zach Easton, Virginia Tech)]

At the June meeting there was discussion about utilizing spatial interpolation to improve the methods used to fill in crop yield data gaps at the county scale. During the past month the CBP has looked at ways to involve technical experts to achieve this improvement. We will outline the progress to date and seek input from the group as to how this should be implemented in CAST.

Closing –10:55-11:00 (5 minutes)

Action Items:

- Discuss the inputs needed to accurately account for Crop Yields

Adjourn – 11:00

Up Next: Friday, August 11th, 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](#)