

Agricultural Modeling Team (AMT) Meeting

September 13th

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 decide on manure applications in Phase 7 and discuss potential changes to crop yield and mortality for Phase 7.

Decision items:

1. Approve the [August minutes](#)

Announcements:

- [September 19th AgWG](#)
 - Discussion of relevant AMT topics.

Introduction/Recap: 09:00-09:10 [10 min (Zach Easton, Virginia Tech)]

Zach will introduce today's topics.

Manure applications in CAST 09:10- 09:50 [40 min (15 min presentation 25 min discussion) (Tom Butler, EPA)]

Tom will provide a recap of changes made to the acres and manure applications in CAST agricultural Land Uses. The group will be asked if they approve of these changes for Phase 7 development. **Decisional.**

Crop Yield trends 09:50-10:30 [40 min (20 min presentation 20 min discussion) (Joseph Delesantro, ORISE; Tom Butler, EPA)]

We will discuss the results of adding in updated crop yield trends 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. **Informational.**

Animal Mortality in CAST 10:30-10:55 [25 min (15 min presentation 10 min discussion) (Tom Butler, EPA)]

We will begin discussions related to an existing animal mortality expert panel report which would break out mortality nutrients from the existing manure nutrient pool. This also advises on how to implement BMPs. Discussion will need to revolve around where the mortality load will manifest within CAST load sources in Phase 7. **Informational.**

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

Action Items:

- Decision: Manure applications
- Discuss: Crop yields update, and mortality for Phase 7.

Adjourn – 11:00

Up Next:

Office Hours: Friday, October 11th, 2024, from 8:00 - 9:00 am.

AMT Meeting: Friday, October 11th, 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](#)