

Agriculture Workgroup (AgWG)
Meeting Agenda
October 19th, 2023
10:00 AM – 12:00 PM
[Meeting Materials](#)

Conference Call Information*

Zoom Link: <https://umces-edu.zoom.us/j/86998611539>

Meeting ID: 869 9861 1539

Passcode: 9780

Phone: +1 305 224 1968 US

Calendar Page: <https://www.chesapeakebay.net/what/event/agriculture-workgroup-meeting-october-2023>

*To enter the webinar, please open the webinar link first. After opening the webinar, either elect to join via computer audio or via phone call. If you select phone, **please ensure you enter the participant ID.**

**Common Acronyms can be found at the end of this agenda.

Workgroup Areas of Focus

Accounting & Reporting • Implementation • Innovation
Data & Modeling • CBP Assignments

10:00 **Welcome, introductions, roll-call, review meeting minutes** – Jeremy Daubert, AgWG Chair.

- Roll-call of the governance body
- Roll-call of the meeting participants- *Please enter name and affiliation under "Participants" or in "Chat" box*
- **Procedural refresh:**
 - Presenters' materials are due One week in advance of the meeting.
 - If they are not received by then they are at risk of being removed from the agenda.
- **Decision requested:** Approval of [minutes](#) from the September AgWG call.

Data & Modeling

10:05 **Manure application eligibility in CAST (40 min)** – Chris Brosch, DDA.

The current timing and eligibility file in CAST restricts the source and timing of nutrients to simulate real world applications, which has led to an unrealistic distribution of nutrients in the agricultural sector. A decision will be requested to alter the existing file to improve the realism of simulations. Following AgWG approval of the change, the Water Quality GIT will be asked for subsequent approval at their October 23 meeting.

Draft results were presented at an optional meeting on Oct. 5th and those slides can be viewed [here](#). The comparison of CAST-2023 loads with and without the proposed change are available to view or download [here](#).

Decision requested: The AgWG will be asked to approve the changes to nutrient application eligibility in Phase 6 CAST. This change would allow all crop nutrient applications to be both manure and fertilizer eligible if the crop/land use allows it.

Informational

- 10:45 **Importance of Heat Stress Mitigation in Dry Cows - 30 minutes (includes 5-minute Q/A) –**
Fabiana Cardoso, College of Agricultural and Natural Resources University of Maryland

This presentation will focus on the importance of heat stress management for animals in both confinement and pasture settings, emphasizing its crucial role in maintaining animal welfare and productivity. Attendees will learn about strategies that address the unique needs of animals in various environments, exploring practical solutions. The presentation aims to empower the audience with actionable knowledge, ensuring animal health and enhancing production outcomes.

- 11:15 **General Heat Stress in Livestock (with special emphasis on Fescue Toxicosis in cattle)- 40 minutes (includes 5-10 Q/A) –** John Fike, Ph. D., School of Plant and Environmental Sciences Virginia Tech.

This presentation will focus on the importance of Tall Fescue management in pasture settings in order to avoid the occurrence of Fescue Toxicosis in cattle, which can result in associated heat stress and water quality issues.

Wrap up

- 11:55 **New Business & Announcements (2 min)**

- **AMT update:**
 - Crop Yields
- **PSC update:**
 - Interest in working on a resolution to eligibility.
- **Membership:**
 - Two-year at large membership update and new co-chair.
- **Other Announcements?** - send to Jackie Pickford (Pickford.Jacqueline@epa.gov) for inclusion in "Recap" email.

- 11:57 **Review of Action and Decision Items (3 min)**

- 12:00 **Adjourn**

Next Meeting:

Thursday, November 16th: 10AM-12PM, Call-in Zoom

****Common Acronyms**

AgWG- [Agriculture Workgroup](#)

AMT- [Agricultural Modeling Team](#) (Phase 7)

BMP- Best Management Practice

BMPVAHAT- [BMP Verification Ad Hoc Action Team](#)

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](#)

DPF – Dairy Precision Feeding

EPA- [United States] Environmental Protection Agency

EPEG – Expert Panel Exploratory Group

FWS – [United States] Fish and Wildlife Service

MUN – Milk Urea Nitrogen

NEIEN- National Environmental Information Exchange Network

NFWF- [National Fish and Wildlife Foundation](#)

PA DEP- Pennsylvania Department of Environmental Protection

PSC – [Principals' Advisory Committee](#) (CBP)

PSU- Penn State University

STAC- [Scientific & Technical Advisory Committee](#)

SWG – Small Watershed Grants Program

TMDL- Total Maximum Daily Load

WILD - Chesapeake Watershed Investments for Landscape Defense Grants Program

WQGIT- [Water Quality Goal Implementation Team](#)

WTWG- [Watershed Technical Workgroup](#)

UMD- University of Maryland

USDA-ARS- United States Department of Agriculture-*Agricultural Research Service*

USDA-NASS- United States Department of Agriculture-*National Agricultural Statistics Service* USDA-NRCS- United States Department of Agriculture-*Natural Resources Conservation Service*