

Fertilizer Expert Group Meeting

March 6th, 2023

01:00 PM – 03:00 PM

[Meeting Materials](#)

Microsoft Teams Link: [Click here to join the meeting](#)

Meeting ID: 258 583 978 795

Passcode: cSMqgm

Phone: [+1 202-991-0477](#) United States, Washington DC

Phone Conference ID: 380 178 575#

This meeting will be recorded for internal use to assure the accuracy of meeting notes.

Statement of purpose:

This virtual meeting will serve to connect relevant experts on potential data sets pertaining to inorganic fertilizer data. These data are used by the Chesapeake Bay Program to inform the Chesapeake Assessment Scenario Tool.

Background [01:00-01:40]:

Introduction: The Long and Short of it, A timeline for working with fertilizer data – 01:00-01:10 [10 min (Tom Butler, EPA)]

This group will serve as a formal committee to develop short-term, interim resolutions to fertilizer data concerns before moving forward with CAST 2021 as well as long-term resolutions for Phase 7 model.

Background: Chesapeake Assessment Scenario Tool and how it uses Inorganic Fertilizer data– 01:10-01:40 [30 min (25 min presentation 5 min discussion) (Kaylyn Gootman, EPA)]

CAST currently utilizes manure inorganic fertilizer data from the Association of American Plant Food Control Officials. We will examine how these data are processed and what other data sets are applied to these data to create the current fertilizer stock for the watershed.

Potential New Data Sources [01:40-03:00]:

State reported fertilizer tonnage sales data – 01:40-02:00 [20 min (10 min presentation 10 min discussion) (Tom Butler, EPA)]

We will examine the potential for utilizing state reported fertilizer sales tonnage data. These data have been compared to the AAPFCO fertilizer data used by CAST. Data reported directly from states can potentially help eliminate the latency issues associated with AAPFCO data.

USDA NASS and Survey Data – 02:00-02:20 [20 min (10 min presentation 10 min discussion) (Bruce Boess, USDA-NASS)]

The National Agricultural Statistics Service conducts surveys on agricultural data. We will examine the potential to utilize these data in CAST. A presentation regarding the types of surveys and availability of data will be provided.

The potential for industry supplied data sets: An international perspective– 02:20-02:40 [20 min (10 min presentation 10 min discussion) (Tom Bruulsema, Plant Nutrition Canada)]

We will examine the potential to utilize industry supplied inorganic fertilizer data. We hope to gain a better understanding of the types of data which might be supplied by industry representatives.

The potential for industry supplied data sets: A local perspective from The Mill – 02:40-02:50 [10 min (5 min presentation 5 min discussion) (Ben and Tim Hushon, The Mill Fertilizer Company)]

We will hear from The Mill, a regional fertilizer company with locations in Maryland and Pennsylvania. The Mill will describe its background as a company in addition to its ability to contribute to understanding the issues associated with fertilizer use and water quality.

General Discussion and Closing – 02:50-03:00 (10 minutes)

Action Items:

- Set follow up meeting dates, (1st Monday of each month)
 - Multiple meetings each month?
- Document discussions

Adjourn –03:00

Up Next: TBD

****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](#)