

# AMT Draft Charge/Nominations Feedback

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# Background

We need to ensure the best available agricultural input data is in the  
phase 7 CAST

**AND**

Reviewing this information is a very detailed, time expensive task

**BUT**

The Agriculture Workgroup does not have the capacity to do this

**THEREFORE**

We are making the Ag Modeling Team to review inputs for the Phase 7  
Model.

# Charge and functions

Support the Agriculture Workgroup (AgWG) through the development of the Phase 7 Watershed Model (WSM) inputs.

Ensure Phase 7 utilizes the best available information reflecting agricultural conditions and changes through time.

Determine if changes are appropriate from Phase 6 to Phase 7.

Consider land use/load source category changes.

Coordinate with USDA agencies to identify analysis methods and agricultural databases.

# Charge and functions

Support the Agriculture Workgroup (AgWG) through the development of the Phase 7 Watershed Model (WSM) inputs.

Ensure Phase 7 utilizes the best available information reflecting agricultural conditions and changes through time.

Determine if changes are appropriate from Phase 6 to Phase 7.

Consider land use/load source category changes.

Coordinate with USDA agencies to identify analysis methods and agricultural databases.

Make decisions on what the most appropriate agricultural input data are for the Phase 7 WSM.

# Expertise

## **Agricultural systems**

- Bovine
- Equine
- Hogs
- Poultry
- Livestock Feed
- Row Crops
- Hay and Ag Open Space
- Specialty Crops
- Pasture and Riparian Pasture

## **Application/storage of both manure and fertilizer**

- Storage and handling
- Transport
- Nutrient Management
- Soil Phosphorus
- Nutrient Volatilization

## **Agricultural nutrient modeling data within the Chesapeake Bay watershed**

- CAST
- SPARROW
- USDA
- Land Use

# Expertise

**\*\*Represent technical expertise not jurisdictions\*\***

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- Bovine
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## Agricultural nutrient modeling data within the Chesapeake Bay watershed

- CAST
- SPARROW
- USDA
- Land Use
- Data management
- Model my watershed
- Climate change

# General member estimated commitment

**Table 2. General member time commitment breakdown**

<b>Activity</b>	<b>Time commitment (Hrs./Mo.)</b>
<b>Meeting preparation</b>	4
<b>General activities</b>	4
<b>Monthly meetings</b>	2
<b>TOTAL</b>	10

# Chair estimated commitment

Table 3. Chair time commitment breakdown	
Activity	Time commitment (Hrs./Mo.)
Meeting preparation	6
General activities	4
Monthly meetings	2
Meeting agendas	2
Direct group work	4
Preparatory meetings	1
Post meeting briefs	1
<b>TOTAL</b>	<b>20</b>



# Initial Focus Topics

CROP	ANIMAL	MANURE	INORGANIC FERTILIZER	MODELING
Crop nutrient application	Reevaluate animal types	Dissolved Air Flocculants (DAF).	Soil and Water Extractable Phosphorus	Nutrient Application
Agricultural plant categories	Feeding operations	Manure Storage	Fertilizer breakdown	Land Use
Legume nitrogen fixation	Animal mortality	Nitrogen mineralization	Revisit AAPFCO NH <sub>4</sub> to NO <sub>3</sub>	Cover factors
Timing of crop nutrient applications	Size	Transport	Biostimulants and biofertilizers	Evaluation of alternative agricultural data sources
Nutrient use Efficiency	Feeding additives	Storage and handling losses		Model Structure
Double cropping				
Climate change effects on crop types				
Crop uptake vs removal				

# Structure (Consensus)

**\*\*The AMT will make decisions itself\*\***

1) Discuss item



2) Form Proposal



3) Call for consensus



4) Identify and address concerns



5) Modify proposal

# Tentative Timeline

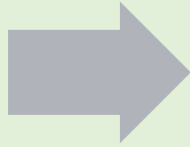


\* We will need to structure meetings to boost attendance on relevant topics, Crops then Animals, alternate, etc. \*

# Next Steps

Call for nominations →  
June 16<sup>th</sup> – July 21<sup>st</sup>

- AgWG members will submit names and CV/resumes for review.



Confirm group  
nominations → July  
21<sup>st</sup> to August 18<sup>th</sup>

- AgWG will vote to accept or reject nominees
- Contact nominees and confirm their availability



Establish workgroup  
priorities/timeline →  
September 22-23<sup>rd</sup>

- 2 Day in depth review of CAST
- Provide context to new members
- MANDATORY

Vote