

AMS Update: Scenario Builder Ver. 6 Review

Curtis Dell, Chair
and
Matt Johnston, Coordinator

Scenario Builder Review Timeline

Jan 4	Preliminary ver. 6 runs complete
Jan 14	Scenario Builder webinar was presented on 1/14/16 and it is available on Ag Workgroup web site (including links to data files) http://www.chesapeakebay.net/groups/group/agriculture_workgroup
Jan. 28	AMS has a full day meeting on Jan. 28 at USGS in Baltimore to begin detailed review
Feb - March	Multiple AMS conference calls
March 1	Comments/concerns for AMS consideration to Matt or Curt
April	SB modifications presented for AgWG approval
April-Sept	AMS reviews additional items as requested
Sept	Partnership approval if all goes well

Action items (so far)

- Nutrient uptake
 - Review assumptions
- Legume fixation
 - Review assumptions
- Inorganic Fertilizer use
 - Tweaks needed?
 - How should we estimate future use?
- Inorganic P
 - Current assumption is 100% plant availability. Is it less?
- Yield goal
 - Review using NASS yield + 10%
- Application goals for non-major crop
 - Currently fixed because no yield data available, but should they change in proportion to major crops

Comments from AgWG members (so far)

- Manure-eligible acres approach makes sense
- "Manure available for application" after manure BMPs makes sense
- "Inorganic: County Farm Use" looks reasonable & defensible
- "BMPs: Group Pass-Through Calculations" looks like an improvement from Phase 5

Areas that need additional focus (outside AMS preview):

Model Team to share with Ag WG:

1. P soil test data utilized for soil P losses
2. Net balance calculation method

Ag WG:

NM 6.0 Expert Panel approach to P-based NMPs

- Effect on amount of inorganic N applied
- How would applying less manure per acre (i.e. applied to more acres) change the gross amount of manure nutrients in the watershed or increase the fertilizer sales?

Additional items

- Please send your comments and concerns by March 1 to Matt (mjohnston@chesapeakebay.net) or Curt (curtis.dell@ars.usda.gov) to be sure there is time for consideration
- If you aren't sure if your concern is with Scenario Builder or with the Watershed Model, send it any way. If it's a Watershed Model issue, we will share it with the modeling team
- Contact Matt if you need assistance use the posted data files