

# Agriculture Workgroup: Approved Recommendations to Modify Current Beta Version of the Phase 6 Model

Presented to Water Quality GIT

August 28, 2017

# Recommendations from AgWG

## Aug 24, 2017

- Improved crop *removal* (nutrients removed from field) values
  - Major Crops
    - Determined with USDA Crop Nutrient Tool and USDA-NASS Quick Stats
  - Hay, Pasture and Select Specialty Crops
    - Determined with USDA Crop Nutrient Tool
    - Pasture removal rate lowered to address distinct management
  - Other Crops
    - Assumed universal rate (80% per acre application goal)
      - with adaption where better data is available
- More specific data on crop removal can be submitted by jurisdictions, in place of general recommendations, during milestone periods

# Recommendations from AgWG

## Aug 24, 2017

- Set *default* credit for stream exclusion practices
  - 17.6 AU/1,000 linear ft.
- Encouraged states to adjust stream/pasture/barnyard fractions
- Encouraged states to adjust distribution of animals by county and watershed

# Recommendations from AgWG

## Aug 24, 2017

- Adjustments to soil P uncertainty (standard deviation)
  - Approved for WV
  - Open for other states with justification

SOURCE	STATE	STANDARD DEVIATION
AgriAnalysis	DE	25
AgriAnalysis	MD	25
AgriAnalysis	NY	25
AgriAnalysis	PA	25
AgriAnalysis	VA	25
AgriAnalysis	WV	<del>25</del> 50
Penn State University	PA	15
Virginia Tech	VA	30
University of Maryland 1	MD	50
University of Maryland 2	DE	25
University of Maryland 2	MD	40
University of Maryland 2	NY	50
University of Maryland 2	PA	15
University of Maryland 2	VA	50
University of Maryland 2	WV	20
University of Delaware	DE	20

# Time-scale for Future P-Scenarios

June 12, 2017 WQGIT Conference Call: AgWG recommended using 25 years to define the time-scale for initial Phase 6 P scenarios, pending review of alternate time-scale options during summer 2017

- No consensus was reached to modify original AgWG recommendation as of August 17, 2017