









### Soil Phosphorus Data

- Proposal:
  - To develop a pilot project to collect aggregated soil phosphorus concentration data on a county-scale to better inform the Phase 6 CBWM.
- Reason:
  - Request of the CBP Management Board to develop a reliable source of county-scale aggregated soil phosphorus concentration values to inform the Phase 6 CBWM.
  - Identified as a limiting data resource by multiple AgWG BMP Expert Panels, i.e. Conservation Tillage, Cover Crops, Nutrient Management, etc.
  - Interest from CBP academic, at-large and jurisdictional partners to develop an alternative source of annual aggregated soil phosphorus concentration data
  - Existing county-scale soil Phosphorus concentration data limited in the Phase 6 CBWM
- Lead:
  - TBD
- Data:
  - 2016 2018 county-scale aggregated soil phosphorus concentration data
- Timeline:
  - TBD
- Status:
  - Initial proposal only





- Manure and Soil Analysis Data
  - Proposal:
    - To develop a regional standard for manure and soil sampling methods, and sample submission and tracking data, for use by state, private, and university laboratories to enable the collection of aggregated manure and soil nutrient concentration data on a county-scale to better inform the Phase 6 CBWM.
  - Basis:
    - Request of the CBP Management Board to develop a reliable source of county-scale aggregated soil phosphorus concentration values to inform the Phase 6 CBWM
    - Identified as a limiting data resource by multiple AgWG BMP expert panels, i.e. Animal Waste Management Systems, Conservation Tillage, Cover Crops, Nutrient Management, etc.
    - Interest from CBP academic, at-large and jurisdictional partners to develop an alternative source of annual aggregated soil phosphorus concentration data
    - Existing county-scale soil phosphorus concentration data limited in the Phase 6 CBWM
  - Lead:
    - TBD
  - Data:
    - County-scale aggregated manure and soil nutrient concentration data
  - Timeline:
    - TBD
  - Status:
    - Initial proposal only





- Commercial Fertilizer Data
  - Proposal:
    - To develop a pilot project to collect commercial industry fertilizer data for point-of-use for agricultural and non-agricultural systems.
  - Basis:
    - Interest from multi-sector CBP academic, at-large and jurisdictional partners to develop an alternative source of annual fertilizer point-of-use data
    - Existing fertilizer use data limited to AAFPCO point-of-sales data in the Phase 6 CBWM
  - Lead:
    - TBD
  - Data:
    - Commercial fertilizer point-of-use data
  - Timeline:
    - TBD
  - Status:
    - Initial proposal only





### Commercial Swine Data

### Proposal:

 To update and expand swine production data currently represented in the Phase 6 CBWM.

#### Reason:

- Interest from the swine industry and CBP academic and jurisdictional partners to update and expand swine production from 2016 survey
- Survey limited to Virginia and one company in Pennsylvania for representation in the Phase 6 CBWM

#### Lead:

- Dr. Mark Estienne, VT Swine Specialist
- Dr. Estienne served as co-lead on the 2016 commercial swine survey and recommendation report

#### Data:

2016 – 2018 commercial swine production and nutrient generation data

#### Timeline:

Recommendation report for 2019 Phase 6 CBWM Milestone update period

#### Status:

Initial proposal only





- Commercial Dairy Data
  - Proposal:
    - To develop a pilot project to collect commercial dairy production and nutrient generation data.
  - Reason:
    - Interest from CBP academic, at-large and jurisdictional partners to develop an alternative source of commercial dairy production and nutrient generation data
    - Existing dairy nutrient generation data limited to ASABE as-excreted research data in the Phase 6 CBWM
  - Lead:
    - TBD
  - Data:
    - 2016 2018 commercial dairy production and nutrient generation data
  - Timeline:
    - TBD
  - Status:
    - Initial proposal only





- Cover Crop Data
  - Proposal:
    - To develop a pilot project to collect nutrient application data on commodity cover crops in conjunction with transect survey methods.
  - Reason:
    - Interest from several CBP jurisdictional partners to develop an alternative method of collecting nutrient application data as part of transect survey methods to identify and verify commodity cover crops
    - Existing transect survey methods limited to identifying and reporting traditional cover crops in Phase 6
  - Lead:
    - TBD
  - Data:
    - Transect survey based commodity cover crop data
  - Timeline:
    - TBD
  - Status:
    - Initial proposal only





- Crop Residue & Cover Crop Data
  - Proposal:
    - To develop a pilot project to collect crop residue and cover crop data in conjunction with transect surveys using remote sensing methods.
  - Reason:
    - Interest from CBP academic and jurisdictional partners to develop an alternative method of collecting crop residue and cover crop data as part of transect survey methods
    - Project partner interest by the Conservation Technology Information Center (CTIC) in developing alternate methods
    - Existing transect survey methods limited to eye-sight identification in the Phase 6 CBWM
  - Lead:
    - TBD
  - Data:
    - Remote sensed based crop residue and cover crop data
  - Timeline:
    - TBD
  - Status:
    - Initial proposal only





- USDA Implementation Data
  - Proposal:
    - To enhance the current capabilities to collect and report aggregated USDA conservation practice implementation data for use by jurisdictional partners for Phase 6 CBWM annual progress.
  - Basis:
    - Interest by CBP jurisdictional and federal partners to develop an enhanced alternative process for collecting, verifying and reporting aggregated USDA conservation practice implementation data for use by jurisdictional partners
    - Enhance capabilities to match additional USDA CPs to CBP BMPs
    - USGS currently provides USDA conservation practice implementation data to jurisdictions
  - Lead:
    - TBD
  - Data:
    - Aggregated USDA Conservation Practice implementation data
  - Timeline:
    - TBD
  - Status:
    - Initial proposal only

