

Conservation Tillage Panel Update



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Evaluation Focus

- The panel will be evaluating not one but a suite of agricultural Conservation Tillage/No-Till practices in combination:
 - Reduced erosion and transport of nutrient enriched sediment and particulates
 - Improved water infiltration and nutrient (phosphorous) adsorption to soil matrix
 - Improved stabilization of soil surface to impede wind and water erosion detachment and transport of nutrient enriched sediment and particulates
 - Reduced volume of runoff water reaching surface waters
 - Temporary nutrient sequestration in soil organic matter

BMP Panel Review Process

- Expert review panel recommendations will be developed with the following criteria:
 - Phase II WIP and Milestone Commitment Planning: guidance where appropriate for using interim or provisional methods.
 - Progress Reporting: in order to receive credit toward progress runs and achieving milestone commitments.
 - Midpoint evaluation of modeling tools: to be completed in advance of Phase III WIPs in 2017.

Panel Membership and Structure

Name	Affiliation	Subpanel		Name	Affiliation	Subpanel
Bill Clouser	PA-Agriculture	Programmatic		Rory Maguire	Virginia Tech	
Bill Keeling	VA-Environmental			Royden Powell	MD-Agriculture	
Dale Gates	USDA-NRCS-NY	Programmatic		Sjoerd Duiker	Penn State University	Academic & Programmatic
Patrick Bowen	USDA-NRCS-WV			Tim Sexton	VA-Environmental	Programmatic & Modeling
Jack Meisinger	USDA-ARS	Academic		Tom Basden	West Virginia University	
Josh McGrath	Univ. of Maryland			Wade Thomason	Virginia Tech	Academic
Ken Staver	Univ. of Maryland	Academic & Modeling		Others		
Kevin Ganoe	Cornell	Academic		Mark Dubin	AgWG	
Mark Goodson	USDA-NRCS-PA	Programmatic		Mark Sievers	Tetra Tech	
Mark Reiter	Virginia Tech	Academic		Kamran Zendehtdel	Tetra Tech	
Ben Coverdale	DE-Agriculture	Programmatic				
Phillip Sylvester	University of Delaware	Academic				

Products

- Review of literature and documentation
 - [https://sites.tetrattech.com/projects/100-CB BMP Review/default.aspx](https://sites.tetrattech.com/projects/100-CB_BMP_Review/default.aspx)
- Panel interviews (standard questions for all members)
- Review and critique of documentation and
- Determine BMP definitions and loading/effectiveness estimates
- The panel will collaborate with Tt, AgWG, and WTWG to develop a report that addresses all items identified in BMP Protocol

Timeline for Delivery

Completed

- Panel selection
- Literature search
- First panel conference call
- Interviews and collection of program information

August, 2012

- Status update to AgWG.
- Summary of interviews
- Citations/abstracts for retrieved literature-first draft
- Approve Survey Interview document

September, 2012

- Panel researches on practice
- Prepares for reviews and approvals

October, 2012

- Report Tier I draft recommendations to AgWG (focus on updating inputs to current model). Seek approval from AgWG on Tier I recommendations.

Timeline for Delivery

Late Fall, 2012

- Seek approval of Tier I recommendations from WTWG and WQGIT for implementation in the P5.3.2 CBP models

January, 2013

- Implement Tier I recommendations in the P5.3.2 CBP models for 2012 Annual Progress reporting
- Draft report to AgWG

2013-2015

- Continue to work on Tier 2 recommendations including “long term maintenance plan”, future model updates (P6), and annual reporting requirements.
- Report Tier II recommendations to and seek approval from AgWG, WTWG, and WQGIT. Implement Tier II recommendations for P6 CBP models.