

Increasing the Successful Adoption of Ag Drainage Water Management

Partner Forum III
February 14, 2012

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AG. Water Management Team Effort

Two Agenda Items to Cover:

1) Action Plan Progress Report

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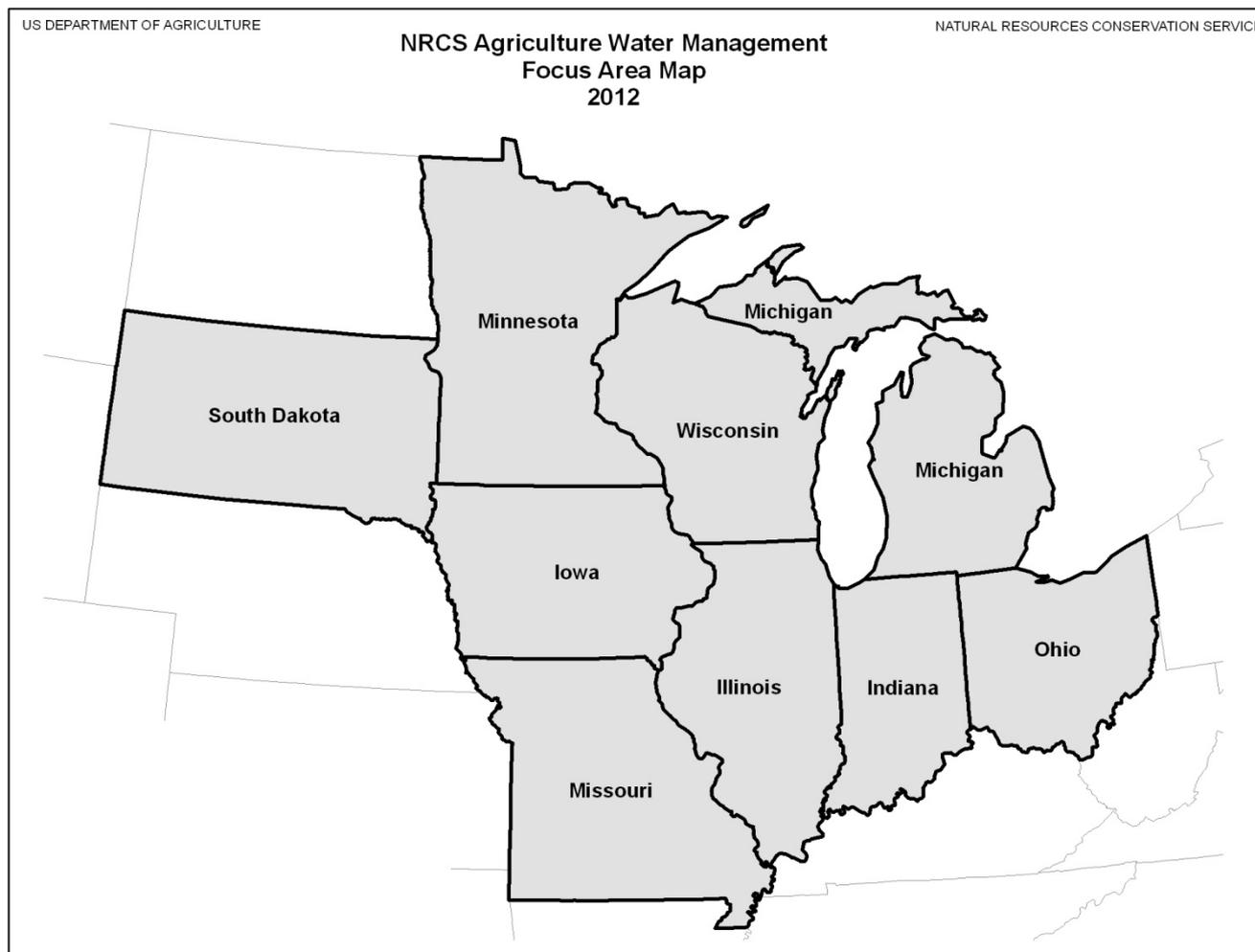
Two Agenda Items to Cover:

1) Action Plan Progress Report

2) Summary of State Action Plans

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AG. Water Management (AGWAM) Team Nine State Focus Area



Action Plan Progress Report

Six Key Components -

1. **COMMUNICATION** - Improve communications both internally and externally
2. **TECHNOLOGY** – Fully utilize existing and new technology
3. **TRAINING** – Initiate and improve training at the field level
4. **POLICY** - Identify and seek changes to policy
5. **PROGRAMS** - Seek changes to programs
6. **WILDLIFE HABITAT** - Identify methods to protect and enhance wildlife habitat

Action Plan Progress Report

1. COMMUNICATION - Improve communications both internally and externally

National Summit and Field Trip – Oct 2011

Summary of Outcomes report available online

National Summit Follow-up Strategy -

Agreement with Sand County Foundation to assist in delivery

Presentations to National Ag, Commodity and Conservation Groups

State Technical Committees

State level Ag, Commodity and Cons Groups

Outreach Tools – videos, fact sheets, PowerPoints, brochures, press releases, post cards, demonstration sites

Action Plan Progress Report

2. TECHNOLOGY – Fully utilize existing and new technology

Mapping - Developed Acres Suitable for DWM maps

County Summary of Acres Suitable for DWM List

Developed State Map - County Summary - Acres Suitable for DWM

Web Based Application – Developed a web based application that can zoom down to the field level across the nine state region. Application could be used to develop conservation plan suitability for DWM maps.

Development of Technical Standards – Conservation Innovation Grants (CIG) have been awarded to gather information on Saturated Buffers. Final technical standard drafted on denitrifying bioreactors

Action Plan Progress Report

2. TRAINING – Initiate and improve training at the field level

Training Employees

Awareness – Webinar ‘DWM in Subsurface Drainage Systems’
PowerPoint for DC’s to use for partners and public
ADMC’s ‘Agronomy U’ units “Introduction to DWM”
NCSU DrainMod agreement
University Drainage Schools

Specialists

Conservation Planning Modules
Engineering Meetings
Area Meetings

TSP’s - ADMC Workshops
LICA Workshops
NRCS training – webinar/other



Action Plan Progress Report

4. POLICY - Identify and seek changes to policy

State Ag. Water Management Action Plans developed and being implemented

Clarification made in TSP qualifications and certification policy

MOU's signed with ADMC and developed for Land Improvement Contractors Assoc. (LICA) to facilitate training of TSP's

Proposed Iowa NRCS Drainage Water Management Action Plan		DRAFT 11-1-2011			
Objective	Activity	Start Date	End Date	% Comp.	Responsible
Objective 1	Develop a State DWM (554) Action Plan to accelerate the adoption of the conservation practice				
Goal 1	Gain consensus from the Iowa Leadership Team				
Action 1	Inform Iowa Leadership Team about Air Water Management Team Action Plan	08/03/11	08/03/11	100%	Adrianne
Action 2	Complete draft action plan	08/24/11	11/08/11	0%	LT
Action 3	Provide comment on draft action plan	08/24/11	11/10/11	0%	LT
Action 4	Finalize action plan	08/23/11	03/02/12	0%	LT
Goal 2	Report to the national Air Water Management Team				
Action 1	Provide Iowa DWM Action Plan to national Air Water Management Team		01/01/12	0%	Adrianne
Objective 2	Provide relevant training to NRCS employees so that they can promote, plan and design DWM related practices				
Goal 1	Provide awareness training				
Action 1	Ensure that all conservation planners and technical staff whose responsibilities could involve DWM complete the introduction to DWM online module hosted by the First National Technology Center 8/18/2011	08/18/11	12/15/11	10%	SRCS/CE /ASTC-FOA
Goal 2	Provide detailed hands-on training on DWM planning and implementation				
Action 1	Identify counties in Iowa with a high percentage of land that may be feasible for DWM (flat slopes, with existing drainage ditches)	06/01/11	09/30/11	60%	NRCS/SS
Action 2	Identify training needs for personnel in targeted counties	09/07/11	01/30/12	0%	SRCS/CE /ASTC-FOA
Action 3	Organize and provide hands-on training on DWM planning and implementation for conservation planners serving target counties	09/07/11	06/01/12	0%	SRCS/CE /ASTC-FOA
Action 4	Organize and provide hands-on training on DWM design and implementation for NRCS engineers and technicians serving target counties	09/07/11	06/01/12	0%	SCE
Objective 3	Apply conservation practices to reduce nitrate-nitrogen export to Iowa's streams				
Goal 1	Increase the adoption of DWM in Iowa				
Action 1	Write 3 Conservation Action Plans (CAP 130) in FY11, including RSP assistance	11/01/11	08/30/12	0%	SRCS/CE /ASTC-FOA
Action 2	Apply 100 acres of DWM 554 in FY11, including RSP assistance (30 acres)	11/01/11	08/30/12	0%	SRCS/CE /ASTC-FOA
Action 3	Write 3 Conservation Action Plans (CAP 130) in FY11, including RSP assistance	11/01/11	08/30/12	0%	SRCS/CE /ASTC-FOA
Action 4	Apply 100 acres of DWM 554 in FY11, including RSP assistance (30 acres)	11/01/11	08/30/12	0%	SRCS/CE /ASTC-FOA
Goal 2	Increase the installation of denitrification bioreactors (DB) in Iowa				
Action 1	Install 1 denitrification bioreactors in FY11	11/01/11	08/30/12	0%	SCE /ASTC-FOA
Action 2	Install 1 denitrification bioreactors in FY11	11/01/11	08/30/12	0%	SCE /ASTC-FOA
Goal 3	Increase the application of Cover Crops (249)				
Action 1	Apply 10,000 acres of cover crops in FY11	11/01/11	08/30/12	0%	SCE /ASTC-FOA
Action 4	Apply 10,000 acres of cover crops in FY11	11/01/11	08/30/12	0%	SCE /ASTC-FOA
Objective 4	Carry out an effective communication and outreach campaign				
Goal 1	Coordinate with NRCS Public Affairs and national Air Water Management Team				
Action 1	Participate in a team teleconference with NRCS PA and PAS in 6 target states (IL, OH, IN, IA, MN, MO), sponsored by the Air Water Management Team	11/01/11	12/01/11	0%	PAS/SCE
Goal 2	Prepare and present public information				
Action 1	Develop fact sheet with basic DWM concept	11/01/11	11/30/11	0%	PAS /Adrianne
Action 2	Develop infotool brochures on DWM - Iowa specific	11/01/11	01/30/12	0%	PAS /Adrianne
Action 3	Develop press releases on DWM fact sheet by DCA	11/01/11	03/30/12	0%	PAS /Adrianne
Action 4	Develop feature story on Iowa adoption of DWM for release to state media (also posted on Iowa website)	11/01/11	08/30/12	0%	PAS /Adrianne
Action 5	Develop PowerPoint presentation for DCA to use in field DWM	11/01/11	01/30/12	0%	PAS /Adrianne
Action 6	Develop DWM information to conservation and producers at NRCS Extension and SWIC meetings	11/01/11	04/01/12	0%	SRCS/CE /ASTC-FOA
Objective 5	Effectively utilize interim CFS 799, Monitoring and Evaluation, to obtain data on practice effectiveness				
Goal 1	Implement monitoring scenarios for DWM				
Action 1	Establish one monitored area to obtain high quality performance data	11/01/11	04/01/12	0%	SCE

Action Plan Progress Report

5. PROGRAMS - Seek changes to programs

EQIP - Practice 554 - Drainage Water Management offered in eight states

- Practice 578 - Water Control Structure is offered in all nine states

- Practice 747 - Denitrifying Bioreactor is offered in Iowa

- Regional Payment Schedule cost of \$1887.05 for DWM

CSP – SQL03 Enhancement available this year for drainage water management

Ranking Tools and Funding Pools are being used by states to promote DWM

Identifying Monitoring – the team has identified this as a practice that might be used in conjunction with DWM

Action Plan Progress Report

6. WILDLIFE HABITAT - Identify methods to protect and enhance wildlife habitat

A Wildlife Session was included in the National Summit

NRCS is working closely with the wildlife partners to ensure that as we move forward we recognize and address concerns regarding wetlands and upland habitat

Summary of State Action Plans

Partner Forum III
February 14, 2012

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State Action Plans

The AGWAM team identified a need for more engagement by NRCS at the State level

Each state has a point of contact on the AGWAM Team

Each state was charged with developing a State AGWAM Action Plan by November 11, 2011

Many similar and different ideas were included in the state action plans

The summary shows each state with the same activity on the left hand side of the report

State Action Plans

States organized their plans similar to the National AGWAM Action Plan

The Summary document covers the following Objectives:

1. **Develop the State AGWAM Action Plan**
2. **Provide relevant training to NRCS employees, partners, and TSP's so that they can promote, plan and design**
3. **Complete conservation plans and apply conservation practices to reduce nitrate-nitrogen export**
4. **Carryout an effective communications and outreach campaign**
5. **Implement AGWAM Plan with effective programs and technical assistance**

State AGWAM Action Plans

Proposed Iowa NRCS Drainage Water Management Action Plan		DRAFT 11-1-2011			
Objective 1	Activity	Start Date	End Date	% Comp	Responsibility
Objective 1	Develop a State DWM (554) Action Plan to accelerate the adoption of the conservation practice				
Goal 1	Gain consensus from the Iowa Leadership Team				
Action 1	Inform Iowa Leadership Team about Ag Water Management Team Action Plan	08/03/11	08/03/11	100%	Atherton
Action 2	Complete draft action plan	08/24/11	11/08/11	0%	LT
Action 3	Provide comment on draft action plan	08/24/11	11/15/11	0%	LT
Action 4	Finalize action plan	09/21/11	01/02/12	0%	LT
Goal 2	Report to the national Ag Water Management Team				
Action 1	Provide Iowa DWM Action Plan to the national Ag Water Management Team		01/31/12	0%	Atherton
Objective 2	Provide relevant training to NRCS employees so that they can promote, plan and design DWM-related practices				
Goal 1	Provide awareness training				
Action 1	Ensure that all conservation planners and technical staff whose responsibilities could involve DWM complete the introduction to DWM webinar sponsored by the East National Technology Center 8/18/2011	08/18/11	12/15/11	10%	SRC/SCE / ASTC-FO's
Goal 2	Provide detailed, hands-on training on DWM planning and implementation				
Action 1	Identify counties in Iowa with a high percentage of land that may be feasible for DWM (flat slopes, with existing drainage tile)	06/01/11	09/30/11	60%	NCGC/SSS
Action 2	Identify training needs for personnel in targeted counties	09/07/11	01/30/12	0%	SRC/SCE / ASTC-FO's
Action 3	Organize and provide hands-on training on DWM planning and implementation for conservation planners serving target counties	09/07/11	06/01/12	0%	SRC/SCE / ASTC-FO's
Action 4	Organize and provide hands-on training on DWM design and implementation for NRCS engineers and technicians serving target counties	09/07/11	06/01/12	0%	SCE
Objective 3	Apply conservation practices to reduce nitrate-nitrogen export to Iowa's streams				
Goal 1	Increase the adoption of DWM in Iowa				
Action 1	Write 3 Conservation Activity Plans (CAP 130) in FY12, including TSP assistance	11/01/11	09/30/12	0%	SRC/SCE / ASTC-FO's
Action 2	Apply 100 acres of DWM 554 in FY12, including TSP assistance (3 systems @ 20 acres)	11/01/11	09/30/12	0%	SRC/SCE / ASTC-FO's
Action 3	Write 3 Conservation Activity Plans (CAP 130) in FY13, including TSP assistance	11/01/11	09/30/13	0%	SRC/SCE / ASTC-FO's
Action 4	Apply 100 acres of DWM 554 in FY13, including TSP assistance (3 systems @ 20 acres)	11/01/11	08/01/11	0%	SRC/SCE / ASTC-FO's
Goal 2	Increase the installation of denitrifying bioreactors (747) in Iowa				
Action 1	Install 5 denitrifying bioreactors in FY12	11/01/11	09/30/12	0%	SCE / ASTC-FO's
Action 2	Install 5 denitrifying bioreactors in FY13	11/01/11	09/30/13	0%	SCE / ASTC-FO's
Goal 3	Increase the application of Cover Crops (340)				
Action 1	Apply 10,000 acres of cover crops in FY12	11/01/11	09/30/12	0%	SCE / ASTC-FO's
Action 2	Apply 10,000 acres of cover crops in FY13	11/01/11	09/30/12	0%	SCE / ASTC-FO's
Objective 4	Carry out an effective communications and outreach campaign				
Goal 1	Coordinate with NHQ Public Affairs and national Ag Water Management Team				
Action 1	Participate in a team teleconference with NHQ PA and PAS in 6 target states (IL, OH, IN, IA, MN, MO), sponsored by the Ag Water Management Team	11/01/11	12/01/11	0%	PAS/SCE
Goal 2	Prepare and present public information				
Action 1	Develop fact sheet with basic DWM concept	11/01/11	12/30/11	0%	PAS / Atherton
Action 2	Develop trifold brochure on DWM - Iowa specific	11/01/11	01/30/12	0%	PAS / Atherton
Action 3	Develop press release on DWM for use by DCs	11/01/11	02/30/2012	0%	PAS / Atherton
Action 4	Develop feature story on Iowa adoption of DWM for release to ag media (also posted on Iowa website)	11/01/11	09/01/12	0%	PAS / Atherton
Action 5	Develop PowerPoint presentation for DCs to use to sell DWM	11/01/11	01/30/12	0%	PAS / Atherton
Action 6	Present DWM information to contractors and producers at ISU Extension and SWCD meetings	11/01/11	04/01/13	23%	SRC/SCE / ASTC-FO's
Objective 5	Effectively utilize interim CPS 799, Monitoring and Evaluation, to obtain data on practice effectiveness				
Goal 1	Implement monitoring scenarios for DWM				
Action 1	Establish one monitored site to obtain high quality performance data	11/01/11	04/01/13	0%	SCE

State Action Plans

What does the Summary accomplish?

- Identified areas that we made suggestions on how states could strengthen their plans
- Identifies items that the states are doing the same – like ideas
- Gives the states an idea of items that are unique to them – how are they different
- Provides the states with a composite of what other states are doing that they are not – should we be doing that too?
- We will be able to analyze what is working using the summary as a baseline

Summary of State AGWAM Action Plans

Compilation of State AGWAM Action Plans

2/8/2012

STATE(s)	ACTIVITY
Objective 1: Develop a AGWAM Statewide Action Plan	
SD	Identify POC/Coordinator for the AGWAM Team effort
IA, MO, OH	Inform the State's Leadership Team about Ag Water Management Team Action Plan
IA, IN, IL	Provide comments on AGWAM Team's draft action plan
SD, IA, MO, WI, IN, IL	Develop initial draft state Action Plan
IA, SD	Obtain comments from LT on state's draft action plan
SD, IA, MO, WI, IN, IL	Finalize draft action plan and submit to Ag Water Management Team for comment.
Objective 2: Provide relevant training to NRCS employees, partners, and TSPs so that they can promote, plan and design	
Training - NRCS	
IA, SD, MO, OH, WI, IN, IL	*Identify counties with a high percentage of land that may be feasible for DWM (flat slopes, with existing drainage tile)
IA, SD, MO, OH, WI, IL	Webinar - Ensure that all conservation planners and technical staff whose responsibilities could involve DWM complete the Introduction to DWM webinar sponsored by the East National Technology Center 8/18/2011 (Input into AgLearn training needs)
SD, OH, IL	Tracking - Develop and utilize a mechanism to track viewing (acquisition of knowledge) of the DWM webinars sponsored by the National Technology Centers and others
IA, SD, MO, WI, IL	Priority - Identify training needs for personnel in targeted counties (Subsurface Drain (606), Structure for Water Control (587), Surface Drainage, Main or Lateral (608) prior to design of DWM 554).
IA, SD, IN	Planners - Organize and provide hands-on training on DWM planning and implementation for conservation planners serving target counties, for site specific inventory and evaluation process for identifying CPS 554
IA, MO, OH, WI, IL	Engineers - Organize and provide hands-on training on DWM design and implementation for NRCS engineers and technicians serving target counties
SD	CIG - Provide AWM CIG results from other states to South Dakota conservation planners and Engineer staff
SD, OH	Planning Training - Ensure DWM 554 and soil profile water management impacts are covered in Conservation Planning Courses
MO, IL	Provide an overview of DWM practice application at Area NRCS meetings, New Employee training, and conservation planning training opportunities.
MO	Coordinate with Field Offices having extensive drain tile to identify possible sites for training and planning purposes.
OH, IN	Advanced Training - Provide introductory technical training to engineers, CETs, and SWCD per agreement with OSU
Training - Partners	
SD, MO, OH	Sponsor training with for Contractors, Technical Service Providers, and planners on AWM planning and implementation .
IA	Present DWM information to contractors and producers at ISU Extension and SWCD meetings
Training - TSPs	
SD, MO, OH	Sponsor training with for Contractors, Technical Service Providers, and planners on AWM planning and implementation .
IL	Sponsor training for proposed Technical Service Providers on DWM plans and implementation. Scheduled February 21-22, Champaign, Illinois, administered by the Agricultural Drainage Management Coalition (ADMC)
WI	Sponsor training for proposed Technical Service Providers on DWM plans and implementation in cooperation with the Ag Drainage Management Coalition (ADMC).

AG. Water Management Team Effort

Questions???

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