

Drainage Water Management









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Ag. Water Management
Team (AGWAM)

Fiscal Year 2014

Action Plan

Team Charge
"Increasing the adoption of Ag.

Drainage Water Management for
environmental benefits"

October 2013 - September 2014

AGWAM TEAM GOAL #1: OUTREACH - Improve OUTREACH both internally and externally to accelerate the adoption of Drainage Water Management (554) conservation practice as part of a systems approach to nutrient management.

	Water Management (554) conservation practice as part of a systems approach to nutrient management.						
Activity #	Activities	Sub-team	Lead Person	Proposed Date	Comments		
A. Carryo	. Carryout activities to communicate the importance of DWM to NRCS employees and provide the knowledge needed to plan and implement it.						
1	Coordinate a multi-state VTC/teleconference with SRC's and SCE's on how drainage water management can be integrated into conservation planning by NRCS employees and how to improve its implementation at the state level	Outreach	Sweeney	2/1/14			
2	Review and update the AGWAM Team SharePoint site	Outreach	Sweeney	2/15/14			
3	Review and update the AGWAM Team SharePoint site	Outreach	Sweeney	8/15/14			
B. Carryo	out activities to communicate the importance of DWM to the <u>3 P's (Producers, F</u>	artners, Puk	olic) to increase the	e implementa	ation of the practice.		
4	Provide a report on DWM at the ADMC fall Board meeting	Outreach	Sweeney	12/15/13			
5	Produce 2 DWM banner stands housed at Land Care for loan to states to promote DWM at events & meetings.	Outreach	Buck	1/1/14			
6	Create a short video explaining and promoting drainage water management – utilize NRCS videographer from Texas	Outreach	Buck	1/15/14			
7	Update the National Fact Sheet on the DWM effort	Outreach	Buck	2/15/14			
8	Create a video that explains how drainage water management functions over the entire year using animation and new video – w/NRCS videographer from TX	Outreach	Buck	2/15/14			
9	Coordinate a webinar with EPA on DWM and asosciated practices - Cyd Curtis	Outreach	Sweeney	2/15/14			
10	Provide a report on DWM progress at the ADMS Task Force meeting	Outreach	Sampson	2/28/14			
11	Post DWM video on YouTube and link to 10 state and national web sites	Outreach	Buck	3/1/14			
12	Review and update the content on the NRCS Water Management webpage	Outreach	Sweeney	3/1/14			
13	Develop a matrix to assist producers in making decisions relative to the implementation of drainage water management	Outreach	Frankenberger	3/15/14			
14	Write an article on CAP (130) and DWM implementation for ADMC newsletter	Training	Sweeney Buck	6/15/14			

15	Review and update the content on the NRCS Water Management webpage	Outreach	Sweeney	8/15/14	
	Identify four demonstration watersheds in the focus area to show the impacts				1
16	of a systems approach to nutrient management including DWM	Outreach	Sweeney	9/30/14	
17	Work with NGO's to identify ways to partner to promote DWM (NIFWA)	Outreach	Sweeney	9/30/14	
C. Carry	out the national level activities under the Sand County Foundation (SCF)	agreement	to accelerate the	e implement	ation of drainage water
manage	ment and associated practices.				
	Work with SCF in the delivery of webinar 1 of the two webinars on ecosystem				
18	market potential for DWM and nutrient reductions	Outreach	Sweeney	2/1/14	
	Assist in the development, review and approval of the three articles for				
19	inclusion in agricultural and environmental partner publications	Outreach	Sweeney	4/15/14	
	Work with SCF in the delivery of webinar 2 of the two webinars on ecosystem				
20	market potential for DWM and nutrient reductions	Outreach	Sweeney	8/1/14	
21	Coordinate with SCF on the Farm Progress Show outreach effort	Outreach	Sweeney	9/1/14	
22	Coordinate with SCF on the National SWCS Conference outreach effort	Outreach	Sweeney	9/1/14	
	Coordinate with SCF on the development and delivery of the presentations				
23	and Working Session at the National Ecosystems Conference	Outreach	Sweeney	12/15/14	
24	Complete the final report and formal closeout of the SCF agreement	Outreach	Sweeney	2/1/15	
D. Carry	out activities to communicate to <u>Leadership</u> the progress made impleme	nting draina	age water manag	ement and a	associated practices.
25	Provide leadership with a "report card" on states DWM efforts	Outreach	Sweeney	2/1/14	
	Report on status of leadership decision regarding financial assistance for				
26	installation of tile for the purpose of improved DWM function	Outreach	Sweeney	4/1/14	
	Develop FY progress report and maps on DWM for the Executive Sponsors and				
27	STCs	Outreach	Sweeney	4/15/14	
	Develop FY progress report and maps on DWM for the Executive Sponsors and				
28	STCs	Outreach	Sweeney	7/15/14	
29	Update RC's and STC's on DWM progress during Regional VTCs	Outreach	Sweeney	7/30/14	
	Develop end of the year report with graphs and maps depicting the last five				
	years of trends in implementing DWM and practices and present to Leadership				
30	at NHQ & STCs	Outreach	Sweeney	11/15/14	

AGW	AGWAM TEAM GOAL #2: TECHNOLOGY - Fully utilize existing and new technology to accelerate the adoption of the conservation practice - Drainage Water Management (554)						
Activity #	Activities	Sub-team	Lead Person	Proposed Date	Comments		
A. Asses	A. Assess new or emerging technology and transfer that information to NRCS employees to promote and implement it.						
31	Provide a report to the AGWAM team on CIG progress relative to bioreactors and veg. subsurface drain outlets.	Technical	Sampson Walker	4/1/14			
32	Gather yield information on DWM sites for 2012 to see if a drought mitigation response can be identified across the DWM focus area	Technical	Sampson Walker	4/15/14			
33	Compile research and demonstration results involving denitrifying bioreactors, saturated buffers and two-stage ditches	Technical	Sampson Walker	4/30/13			
34	Evaluate and provide recommendations in a report to AGWAM team concerning state of technology and readiness for widespread implementation of denitrifying and phosphorous reducing bioreactors, saturated buffers, and two-stage ditches.	Technical	Sampson Walker	9/1/14			
35	Provide a report to the AGWAM team on CIG progress relative to bioreactors and veg. subsurface drain outlets.	Technical	Sampson Walker	9/1/14			
B. Assist	in the development of tools needed by NRCS and partners to promote and impl	ement Drain	age Water Manag	ement.			
36	Complete the internal review of the DWM (554) Standard	Technical	Sampson	1/1/14			
37	Provide demonstration of Iowa LiDAR use to plan and/or design a DWM system	Technical	Sweeney	1/1/14			
38	Coordinate a national webinar by the Eastern National Technical Center to present the results of the 'P' and 'N' study conducted on the Maume watershed in Ohio (Doug Smith)	Technical	John Davis	3/1/14			
39	Lead the review of the Water Quality Index Tool as it relates to DWM activities	Technical	Sampson Walker	4/1/14			
40	Publish the potential suitability for drainage water management map on ArcGIS Online to improve the look and feel and then make it available for internal and/or external use.	Technical	Nechero	5/15/14			
41	Complete Federal Register Public Review of 554 DWM standard	Technical	Sampson	6/15/14			

42	Complete the formal closeout of the agreement with NCSU to provide DrainMod training to NRCS engineers and others	Technical	Walker	6/15/14	
1 /1-7	Complete the formal closeout of the agreement with NCSU to complete the T25 data gathering and providing this to the states	Technical	Walker	9/30/14	
44	Complete the formal closeout of the agreement with NCSU to provide DrainMod training to NRCS engineers and others	Technical	Walker	6/1/14	
45	The National Geospatial Managment Center (NGMC) will continue to work with the NRCS State Offices to develop LiDAR map and data services to support conservation planning and design where appropriate for integrating LiDAR into workflows and environmental analysis.	Technical	Nechero	9/30/14	
	Complete a comparison of the use of level 3 versus level 1 LiDAR data in the planning and design of DWM and associated practices and report on the cost/benefits	Technical	Sampson Nechero	12/30/14	
C. Effect	ively work with partners to achieve a steady increase in the number of Ca	AP - 130's p	lanned and applie	ed.	
47	Utilize TSPs to increase Conservation Activity Plans (CAPs) from 33 in FY13 to 100 in FY14.	Technical	Sampson State Reps	9/30/14	
48	Utilize TSPs to increase Conservation Activity Plans (CAPs) applied from 32 in FY13 to 65 in FY14	Technical	Sampson State Reps	9/30/14	
A	GWAM TEAM GOAL #3: TRAINING - Improve training at the field a Management (554) and its use ir			e adoption	of Drainage Water
Activity #	Activities	Sub-team	Lead Person	Proposed Date	Comments
A. Implei	ment the Level 2 - DWM Training across the ten state focus area.				
49	Complete the training needs inventory for the Level 2 course from the ten focus area states and provide to SDSU as per the CESU agreement	Training	Book/Monnin	12/15/13	
	Work with the AGWAM State representatives to identify training locations and attendees for the field visit portion of the DWM Level 2 training	Training	Book/Monnin	1/15/14	
	Provide technical review and approval of the draft virtual training modules developed under the CESU agreement for the DWM Level 2 course	Training	Sampson/Walker Book/Monnin	2/15/14	

52	Coordinate the certification for taking the Level II DWM training by NRCS and outside partners to obtain Continuing Ed Credits	Training	Walker	4/1/14	
- 52	Develop the method and ensure that all the trainees identified for the DWM	Training	VVUIKEI	7, 1, 17	
	Level 2 field training workshops have completed the prerequisite virtual		State Reps;		
53	modules	Training	Book/Monnin	4/1/14	
54	Carryout the Ohio DWM Level 2 training in (number) locations	Training	Monnin	TBD	
55	Carryout the Illinois DWM Level 2 training in (number) locations	Training	Book	TBD	
56	Carryout the Indiana DWM Level 2 training in (number) locations	Training	Clarizia	TBD	
57	Carryout the Michigan DWM Level 2 training in (number) locations	Training	Bourdon	TBD	
58	Carryout the Missouri DWM Level 2 training in (number) locations	Training	Gelnar	TBD	
59	Carryout the Iowa DWM Level 2 training in (number) locations	Training	Atherton	TBD	
60	Carryout the Wisconsin DWM Level 2 training in (number) locations	Training	Murphy	TBD	
61	Carryout the Minnesota DWM Level 2 training in (number) locations	Training	Bramblett	TBD	
62	Carryout the South Dakota DWM Level 2 training in (number) locations	Training	Burke	TBD	
63	Carryout the North Dakota DWM Level 2 training in (number) locations	Training	Fisher	TBD	
	Implement the CESU agreement with Extension/University educators to				
	provide detailed, hands-on training for the Level 2 training on DWM planning	Training	Swaanay	12/1/14	
	and implementation	Training	Sweeney	12/1/14	
	Complete the formal closeout the DWM Level 2 CESU agreement with SDSU	Training	Sweeney	12/30/14	
B. Impler	ment other Training opportunities in the ten state focus area.				
66	Coordinate selection of input parameters and work with NCSU, secure T25				
00	values for first state, and begin work on second state.	Technical	Walker	9/30/14	
67	Coordinate DrainMod training agreement with NCSU and ensure DrainMod		Sampson		
67	training materials are available to interested NRCS personnel.	Technical	Walker	9/30/14	
68	Maintain SharePoint calendar of drainage water management training		State Reps;		
00	activities and workshops available in the Upper Mississippi River Basin.	Training	Book/Monnin	9/30/14	
69	Collect an inventory of the employees who have completed the DWM				
03	Awareness training as of 9/30/13	Training	Book/Monnin	12/2/13	

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C. Carry	C. Carryout activities to increase the use of TSP's to increase the implementation of drainage water management and associated practices.						
70	Assist with the ADMC TSP Workshop in Toledo, Ohio	Training	Monnin	2/6/14			
71	Assist with the ADMC TSP Workshop in the Quad Cities - Illinois	Training	Book	2/26/14			
AGV	AGWAM TEAM GOAL #4: PROGRAMS AND POLICY - Seek changes to programs and policies to accelerate the implementation of Drainage Water Management (554)						
Activity #	Activities	Sub-team	Lead Person	Proposed Date	Comments		
A. Assist	the Science & Technology and Program staffs to identify ways to increase the im	nplementatio	on of drainage wate	er manageme	ent		
72	Add a S&T staff member to the AGWAM Team to represent wildlife concerns as identified by Wayne Honeycutt	Programs	Sweeney	1/15/14			
73	investment and expand application of DWM practices (Demonstration Watershed Areas)	Programs	Sweeney	3/15/14			
74	Ensure TSP practice progress is recorded in Business Tools per policy	Programs	Sweeney	9/15/14			
C. Identi	fy and remove policy barriers to increasing the implementation of drainage wate	er managem	ent and associated	practices.			
75	Complete the decision memo for the Chief on providing FA to producers to install secondary mains on DWM systems	Programs	FAPD Rep Sweeney	1/1/14			
76	Assist FAPD in developing appropriate questions for CStP program producer questionaire	Programs	FAPD Rep Sweeney	3/1/14			
77	Assist FAPD in editing DWM enhancement criteria for the CStP program	Programs	Sweeney Sampson	3/1/14			
78	Review Farm Bill (EQIP) regulations and identify barriers to funding of drainage water management system within three months of new Farm Bill passage	Programs	FAPD Rep	5/1/14			
79	Coordinate with the Farm Service Agency to incorporate DWM practices into the CRP program	Programs	Sweeney Sampson	7/15/14			
80	Assist FAPD in revising and developing FY15 Payment Schedules related to DWM	Programs	Walker State Reps	12/1/14			

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AGWA	AGWAM TEAM GOAL #5: Outcomes - measure progress in improving the adoption of Drainage Water Management on the landscape						
Activity #	Activities	Sub-team	Lead Person	Proposed Date	Comments		
A. Track	A. Track the planning and implementation of DWM.						
81	DWM (554) Planned Number Goal for FY14 - 900		AGWAM Team	9/30/14			
82	DWM (554) Planned Acres Goal for FY14 - 30,000 Ac.		AGWAM Team	9/30/14			
83	DWM (554) Applied Number Goal for FY14 - 375		AGWAM Team	9/30/14			
84	DWM (554) Applied Acre Goal for FY14 - 11,500 Ac.		AGWAM Team	9/30/14			
85	DWM CAP (130) Planned Number Goal for FY14 - 120		AGWAM Team	9/30/14			
86	DWM CAP (130) Planned Acre Goal for FY14 - 10,000 Ac.		AGWAM Team	9/30/14			
87	DWM CAP (130) Applied Number Goal for FY14 - 90		AGWAM Team	9/30/14			

AGWAM Team

9/30/14

DWM CAP (130) Applied Acre Goal for FY14 - 3,000