

Natural Resources Conservation Service

Ag Drainage Water Management

Fiscal Year 2013 Progress Report



Natural Resources Conservation Service

Ag Drainage Water Management FY2013 Progress Report

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NRCS - Ag Drainage Water Management Team

FY 2013 Progress Report

Background:

The Ag Drainage Water Management Team (AGWAM) was formed in 2010 and charged with “Increasing the Adoption of Ag Drainage Water Management” for the improvement of water quality and other environmental benefits, with an emphasis on the ten states in the Red River of the North, the Upper Mississippi River and the Great Lakes Basins.

The AGWAM team is composed of mostly NRCS technical experts from the national, centers and state offices. We have a representative from the Canadian Department of Agriculture, as well as three advisors from Universities and the Ag Research Service that are considered leading experts in this subject matter. We have added a Public Affairs staff member to the team recently.

The team identified three major priorities for fiscal year 2013 activities – Training, Outreach and Programs. Attached are a set of maps, charts and graphs that depict the progress made this fiscal year. These are broke down by conservation planning and application of drainage water management and the associated practices. These show numerically progress made since the inception of the team.

Major Team Accomplishments in 2013:

Training Priority

- Established the ‘DWM Awareness Training’ module in AgLearn for employees and partners to utilize.
- Developed a curriculum for ‘Level II DWM Training’ for field employees.
- Proposed and established a CESU Agreement with South Dakota State University to develop eight hours of virtual training modules and at least 10 field site training sessions based on the Level II training curriculum.
- NRCS assisted the Ag Drainage Management Coalition with a TSP training workshop in MN.
- NRCS staff is prepared to assist with a TSP training workshop in Toledo, Ohio this spring.

Outreach Priority

- Completed and distributed a complete outreach package to all ten states that included everything from fact sheets to a PowerPoint presentation for field office use for public meetings on DWM.
- Initiated a video that will include an explanation of what DWM is and a full year cycle of activities associated with it including animation, producer testimonials and NRCS staff explanation of financial assistance.
- Completed the Outreach Strategy that was developed following the initial DWM Conference kickoff that involved both NRCS and partner staffs.
- Initiated an agreement with Sand County Foundation to carry out some national level outreach activities including a major effort at an ecosystems market conference in 2015.

Program Priority

- The team identified several barriers to providing financial assistance to producers and is working with Programs staff to resolve these.
- Proposed and work is being done to integrate DWM practices into FSA’s CRP program including new and prior contracts.
- A proposal is being developed for consideration by the Chief to provide for financial assistance for the installation of secondary mains to facilitate the environmental benefits of DWM and associated practices.

Adoption of Drainage Water Management (DWM) on the Land:

What do the Numbers Tell Us? (Good)

Conservation Planning (See pages 4 - 8):

- The number of conservation plans with DWM and associated practices as components is increasing rapidly. The number of Conservation Activity Plan (CAP) plan acres is a major portion of these in some states.
- Land units planned for DWM increased from 50 in 2011; to 337 in 2013 and are at 581 for 2014 already. Acres of land units with DWM plans increased from 2,126 acres in 2011; to 11,715 in 2012; to 16,178 in 2013; and 23,343 acres already for 2014. **There are 14,154 acres planned for 2015 at this time.**
Note: DWM is a recurring practice and can receive FA for three years.

Application of DWM (See pages 10 - 12):

- Application of DWM is paralleling the planning numbers and acres with about a one year lag time.
- Significant increases in application are beginning to take place similar to conservation planning acres and numbers.

| Fiscal Year | Conservation Plan Acres | Application Acres |
|-------------|-------------------------|-------------------|
| 2010 | | 1,016 |
| 2011 | 2,176 | 1,599 |
| 2012 | 11,715 | 4,281 |
| 2013 | 16,178 | 8,575 |
| 2014 | 23,343 | |

Use of Technical Service Providers (TSPs) for Conservation Planning (See pages 14, 15):

- The number of Conservation Activity Plans (CAPs) planned has increased from zero in 2011; to 22 in 2012; to 33 in 2013. There are an amazing 96 CAP -130s planned for 2014.
- Land unit acres with CAP plans increased from zero in 2011; to 1,825 in 2012; to 3,034 in 2013; with 6,388 acres to be planned under CAPs in 2014.
- There are approximately 100 TSPs now certified to do DWM CAP-130s.

General Comments:

- Three states (Michigan, Missouri and Ohio) account for over 70% of the planning acres in FY2013.
- Minnesota adds a significant number of acres to this total in FY2014, but over 75% of those acres are being planned by TSPs.
- North Dakota adds a significant number of planned acres to the total for FY2014 but they are **entirely** being planned by TSPs.

Note: Missouri may have some acres that are not subsurface drainage water management

What do the Numbers Tell Us? (Not so Good)

Conservation Planning and Application:

- There is little or no DWM conservation planning in IA, ND, SD or WI by NRCS staff.
- There is little use of TSPs in IA, IN, or WI. There is no use of TSP expertise in OH or SD.
- Planning and application of some of the innovative practices such as bioreactors, vegetated outlets, and others is not occurring in any quantity.

Note: ND and SD were 18 months behind the other states engaging in the DWM effort.

CONSERVATION PLANNING PROGRESS

Drainage Water Management

FY 2013 Report

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Natural Resources Conservation Service

Drainage Water Management

More Production ✓

Less Risk ✓

Cleaner Water ✓

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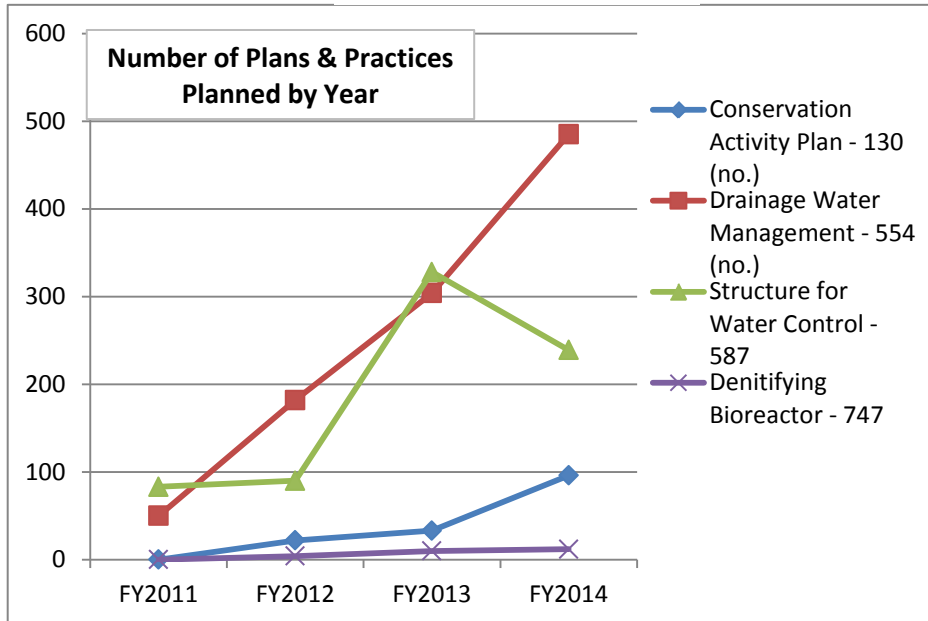
DWM Planned Acres and Practices

FY2011 to FY2015

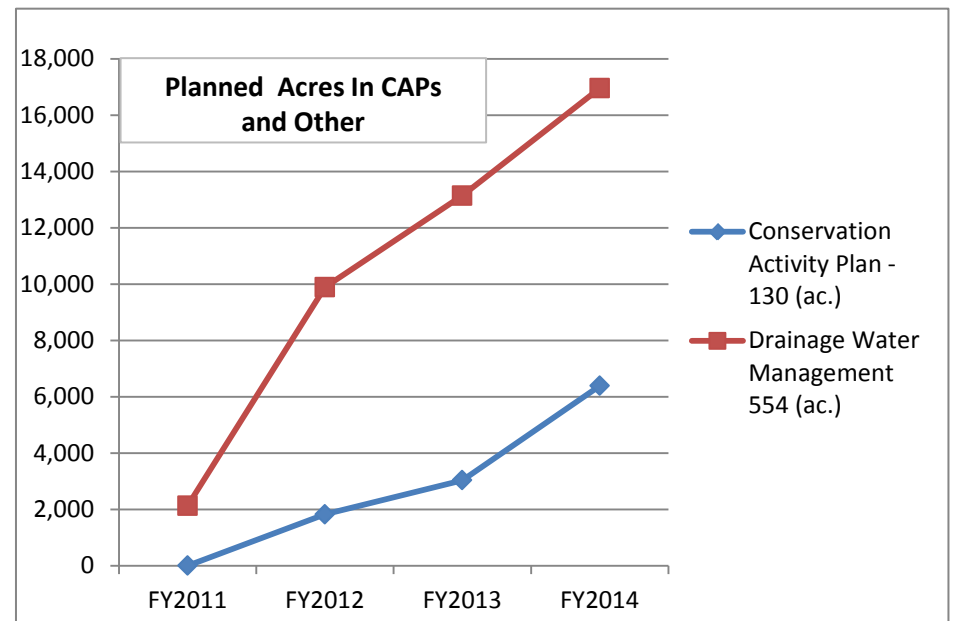
As of Sept. 30, 2013

| Practice Name | FY2011 | FY2012 | FY2013 | FY2014 | FY2015 |
|---|--------|--------|--------|--------|--------|
| Conservation Activity Plan - 130 (no.) | 0 | 22 | 33 | 96 | 3 |
| Conservation Activity Plan - 130 (ac.) | 0 | 1,825 | 3,034 | 6,388 | 203 |
| Drainage Water Management - 554 (no.) | 50 | 182 | 304 | 485 | 328 |
| Drainage Water Management 554 (ac.) | 2,126 | 9,890 | 13,144 | 16,955 | 13,951 |
| Structure for Water Control - 587 | 83 | 90 | 328 | 239 | 158 |
| Denitifying Bioreactor - 747 | 0 | 4 | 10 | 12 | 5 |
| Vegetated Subsurface Drain Outlet - 739 | 0 | 0 | 0 | 0 | 0 |

Planned Numbers



Planned Acres

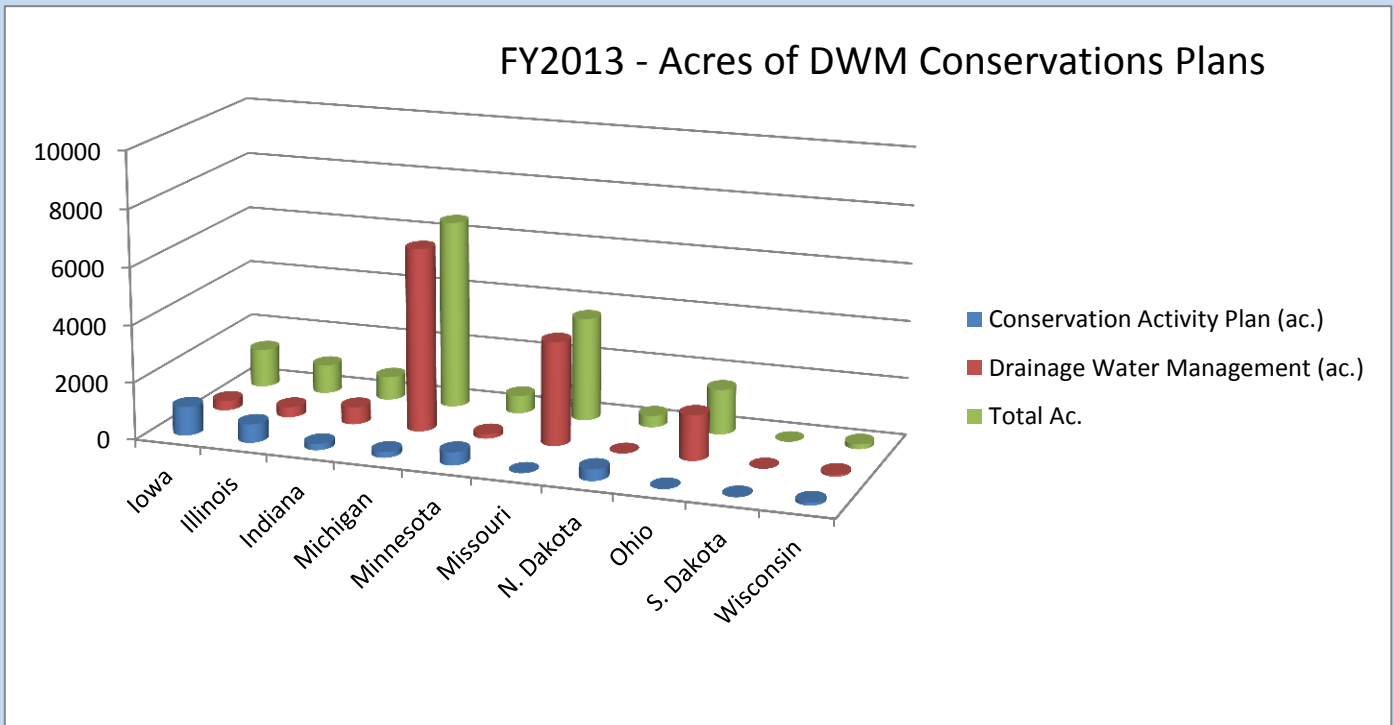
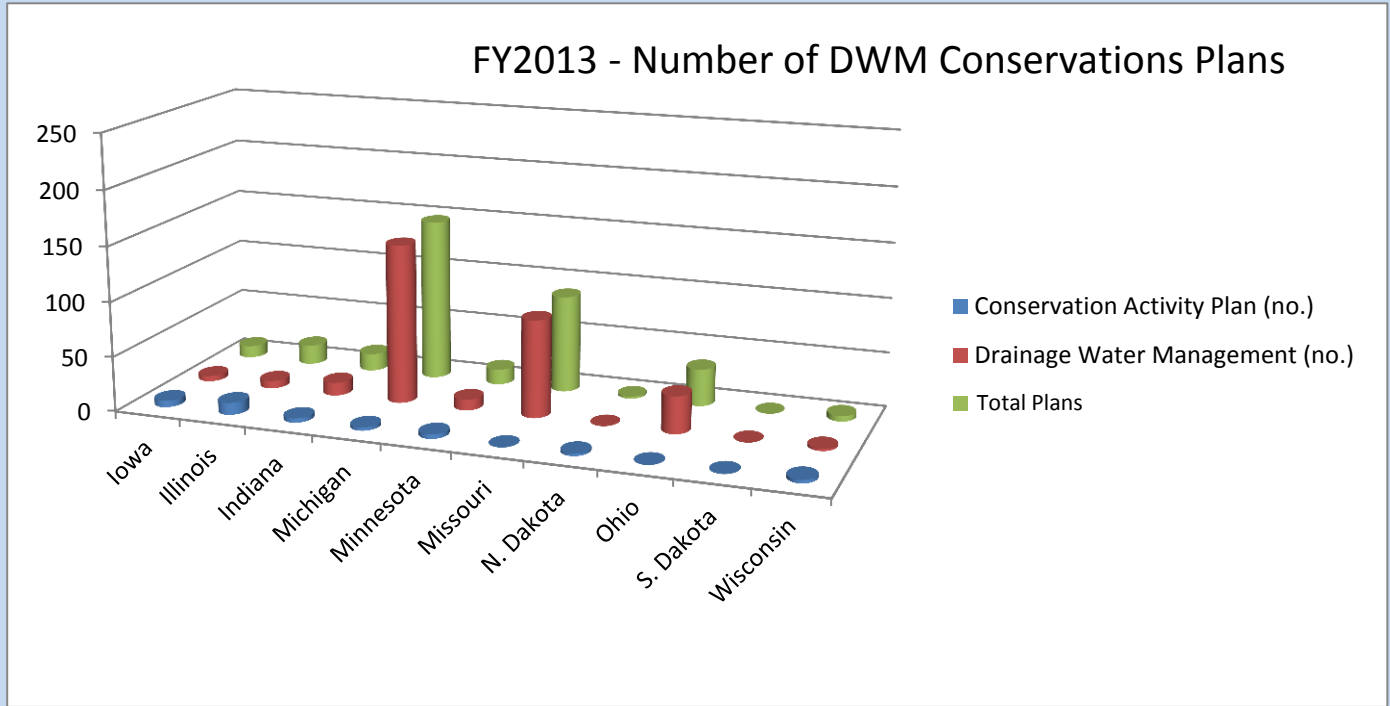


| Practice Name | FY2011 | FY2012 | FY2013 | FY2014 |
|--|--------|--------|--------|--------|
| Conservation Activity Plan - 130 (no.) | 0 | 22 | 33 | 96 |
| Drainage Water Management - 554 (no.) | 50 | 182 | 304 | 485 |
| Structure for Water Control - 587 | 83 | 90 | 328 | 239 |
| Denitifying Bioreactor - 747 | 0 | 4 | 10 | 12 |

| Practice Name | FY2011 | FY2012 | FY2013 | FY2014 |
|--|--------|--------|--------|--------|
| Conservation Activity Plan - 130 (ac.) | 0 | 1,825 | 3,034 | 6,388 |
| Drainage Water Management 554 (ac.) | 2,126 | 9,890 | 13,144 | 16,955 |

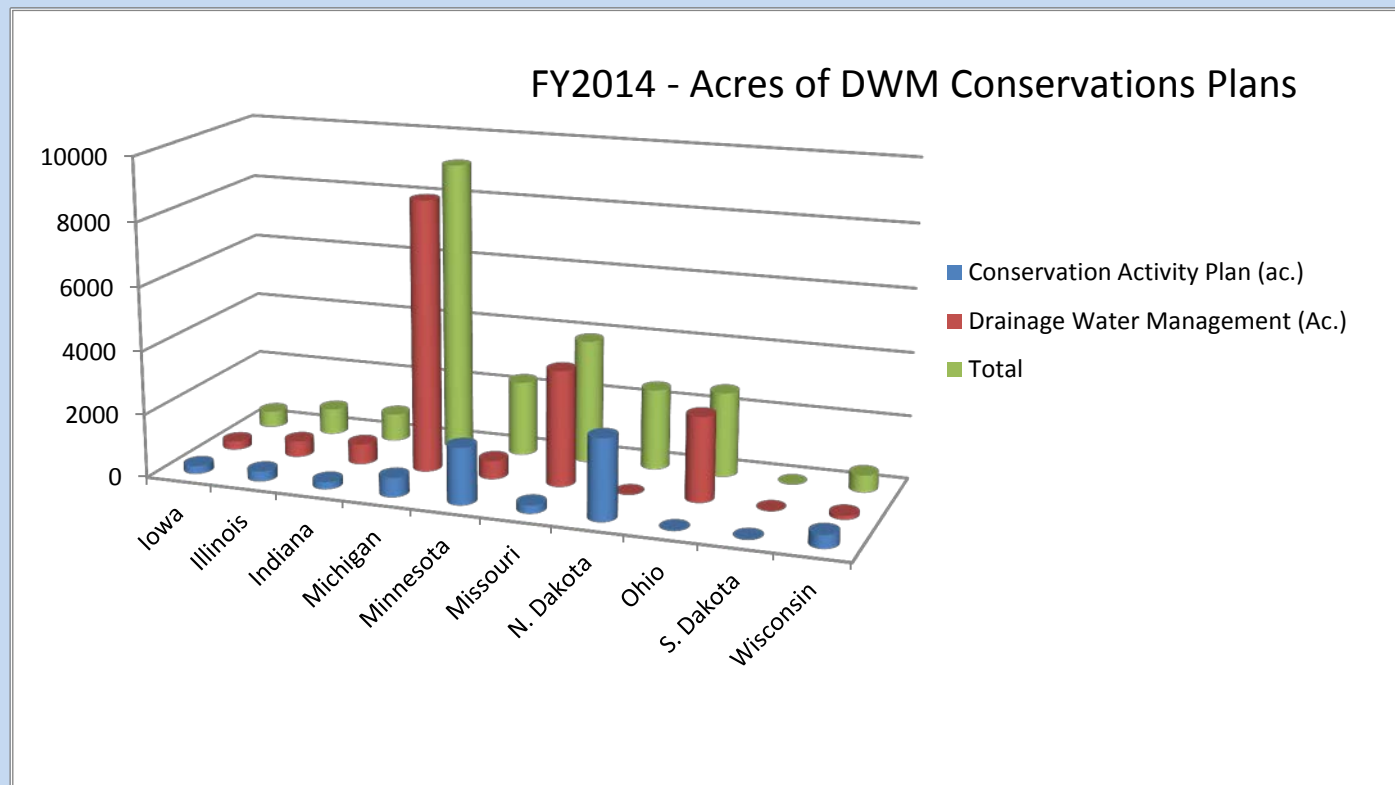
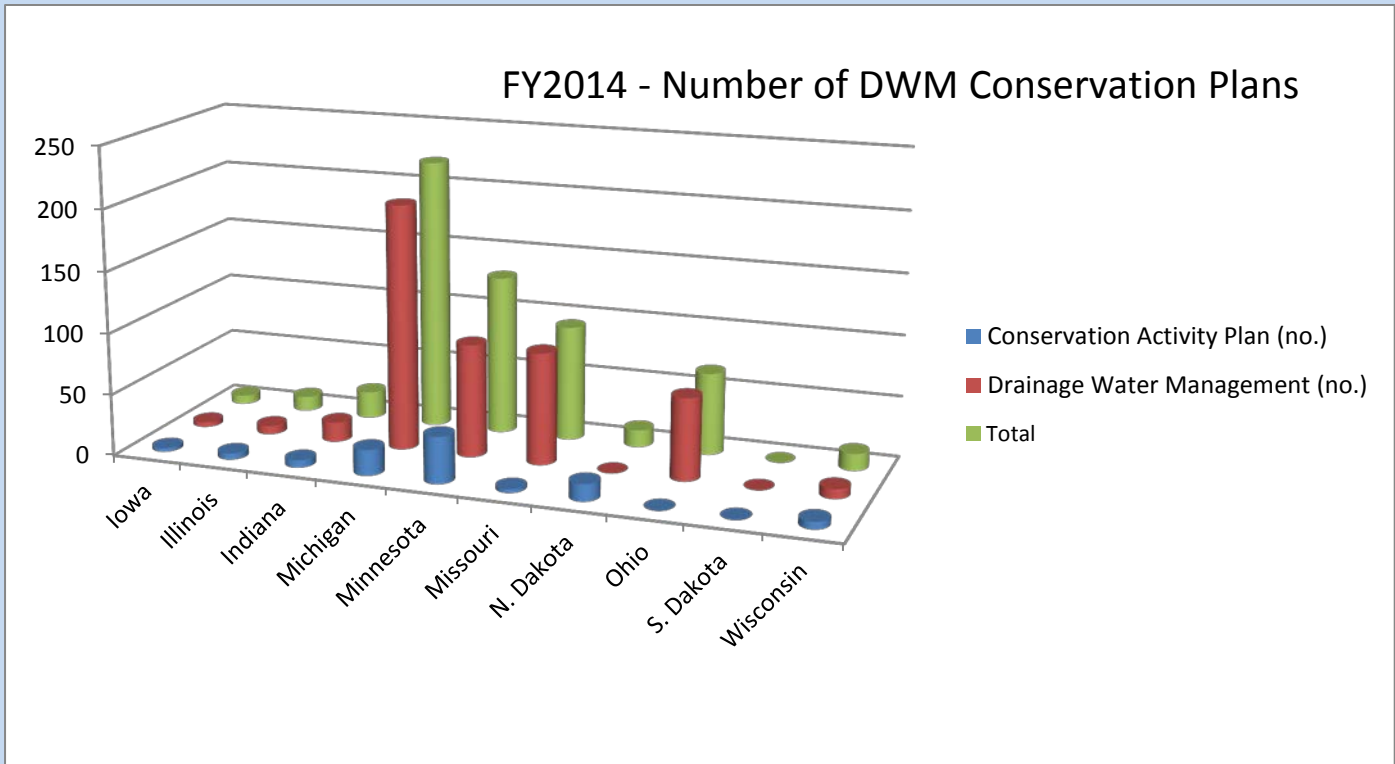
FY2013 DWM Conservation Plans

As of Sept. 30, 2013



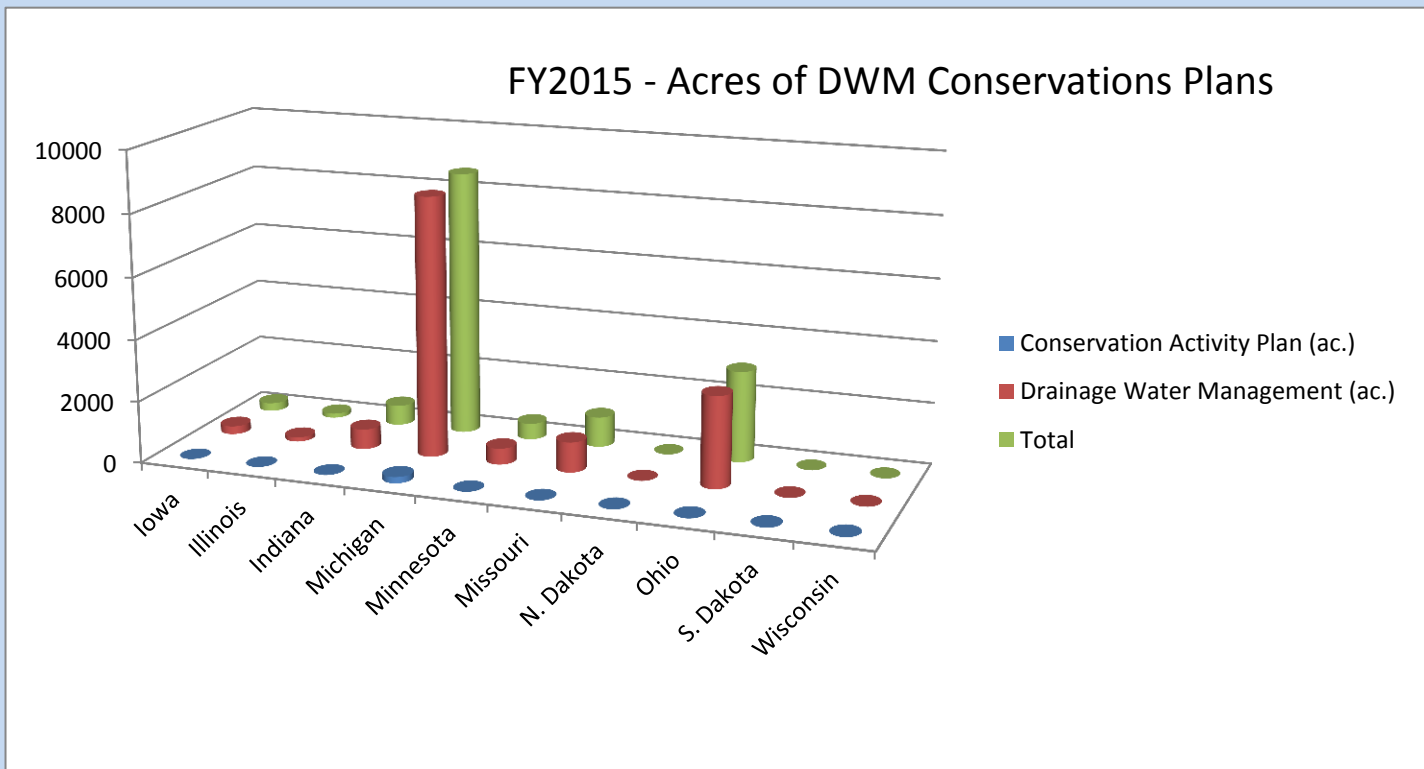
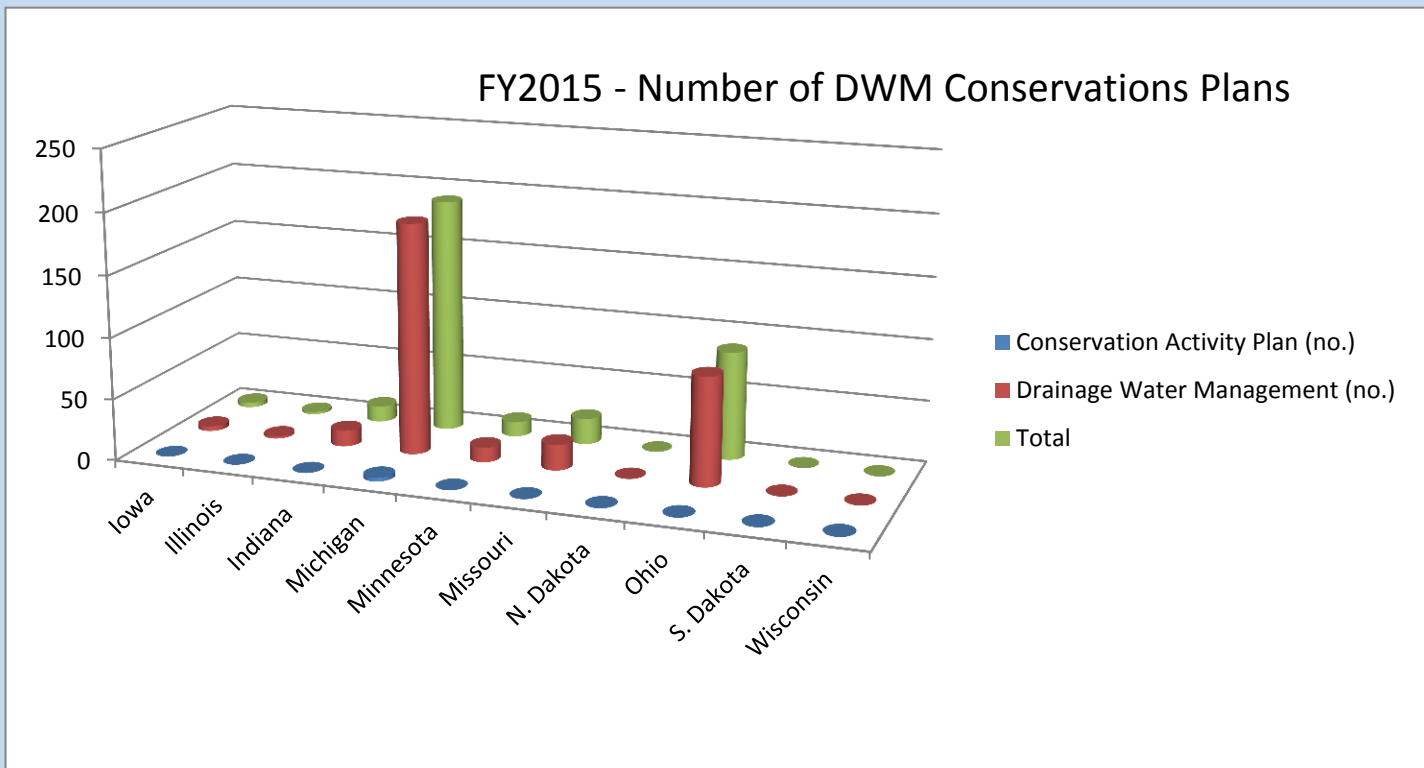
FY2014 DWM Conservation Plans

As of Sept. 30, 2013

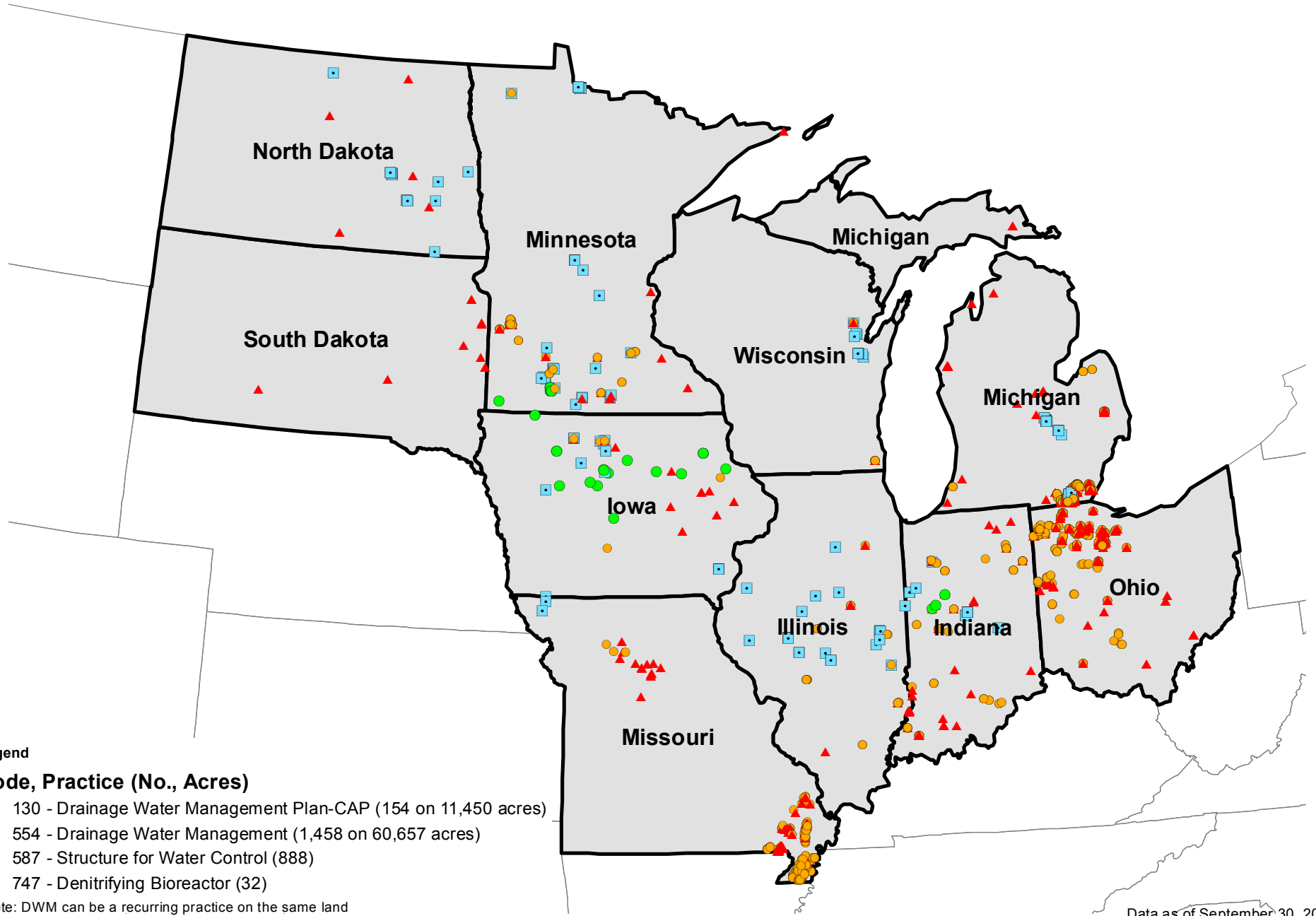


FY2015 DWM Conservation Plans

As of Sept. 30, 2013



Ag. Drainage Water Management Progress Report Locations of Practices Planned for Fiscal Years 2012 thru 2016



Data as of September 30, 2013

CONSERVATION APPLICATION PROGRESS

Drainage Water Management

FY 2013 Report

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Drainage Water Management

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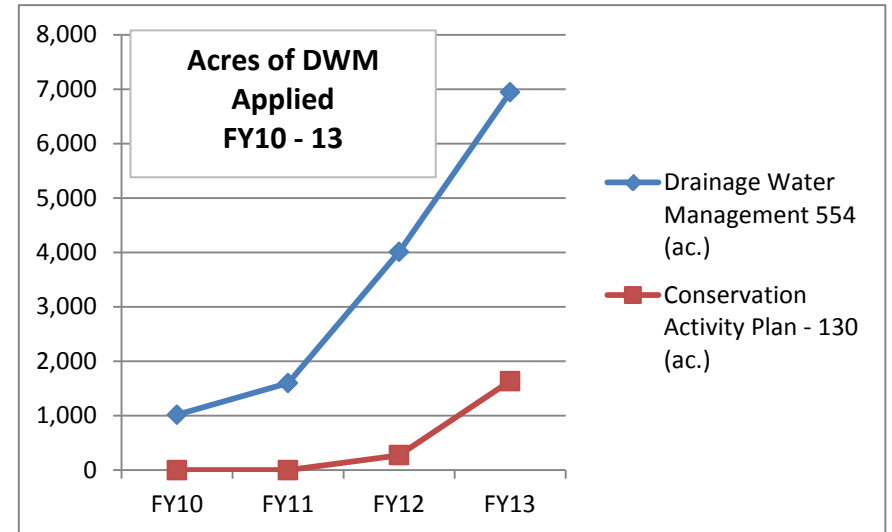
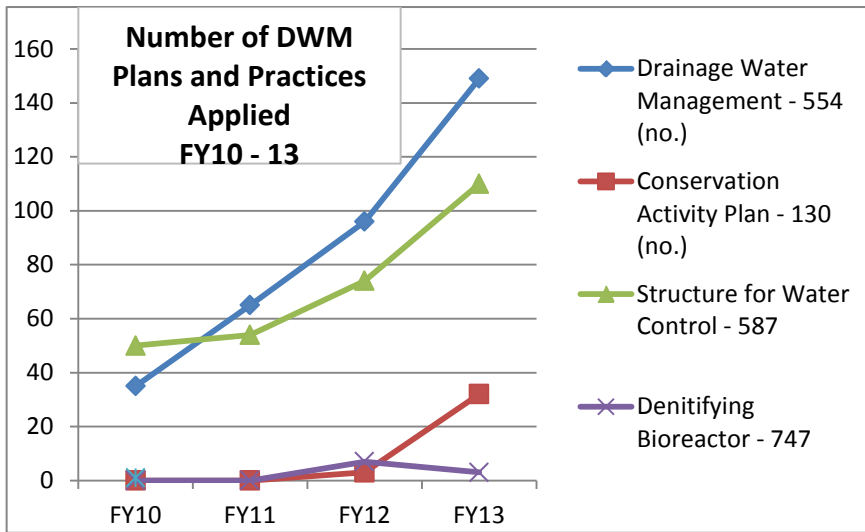
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Drainage Water Management Acres, Plans and Practices Applied

FY2010 thru FY2013

FY2010 thru FY2013 Practices Applied

| Practice Name | FY10 | FY11 | FY12 | FY13 |
|---|-------|-------|-------|-------|
| Conservation Activity Plan - 130 (no.) | 0 | 0 | 3 | 32 |
| Conservation Activity Plan - 130 (ac.) | 0 | 0 | 274 | 1,634 |
| Drainage Water Management - 554 (no.) | 35 | 65 | 96 | 149 |
| Drainage Water Management 554 (ac.) | 1,016 | 1,599 | 4,007 | 6,941 |
| Structure for Water Control - 587 | 50 | 54 | 74 | 110 |
| Denitifying Bioreactor - 747 | 0 | 0 | 7 | 3 |
| Vegetated Subsurface Drain Outlet - 739 | 0 | 0 | 0 | 1 |

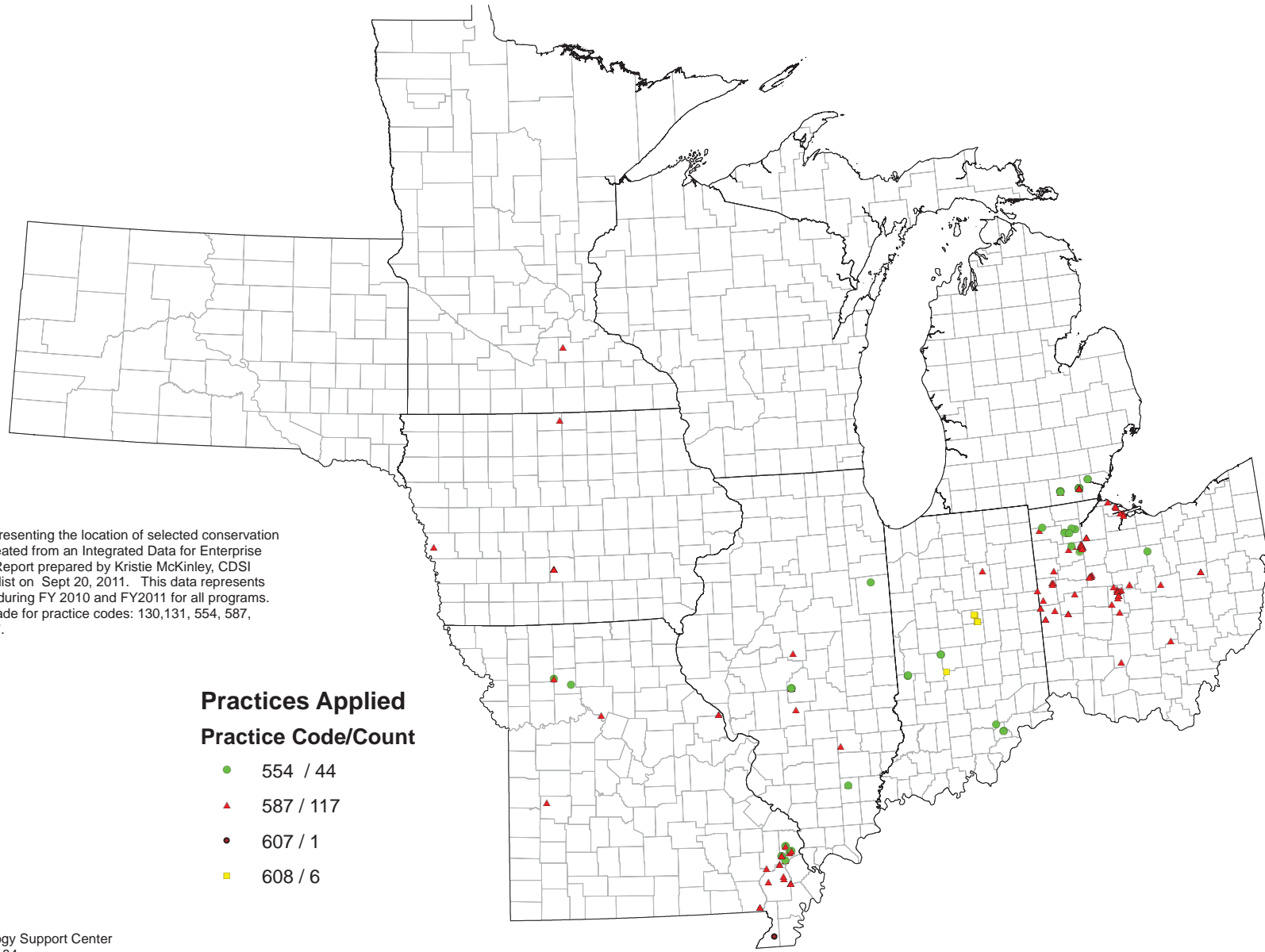


| Practice Name | FY10 | FY11 | FY12 | FY13 |
|--|------|------|------|------|
| Drainage Water Management - 554 (no.) | 35 | 65 | 96 | 149 |
| Conservation Activity Plan - 130 (no.) | 0 | 0 | 3 | 32 |
| Structure for Water Control - 587 | 50 | 54 | 74 | 110 |
| Denitifying Bioreactor - 747 | 0 | 0 | 7 | 3 |

| Practice Name | FY10 | FY11 | FY12 | FY13 |
|--|-------|-------|-------|-------|
| Drainage Water Management 554 (ac.) | 1,016 | 1,599 | 4,007 | 6,941 |
| Conservation Activity Plan - 130 (ac.) | 0 | 0 | 274 | 1,634 |

FY2010 and 2011 Practices Applied

Distribution of DWM Related Practices Applied and Reported to PRS in Selected States



Point features representing the location of selected conservation practices were created from an Integrated Data for Enterprise Analysis (IDEA) Report prepared by Kristie McKinley, CDSI Resource Specialist on Sept 20, 2011. This data represents practices applied during FY 2010 and FY2011 for all programs. The query was made for practice codes: 130,131, 554, 587, 607,608, and 747.

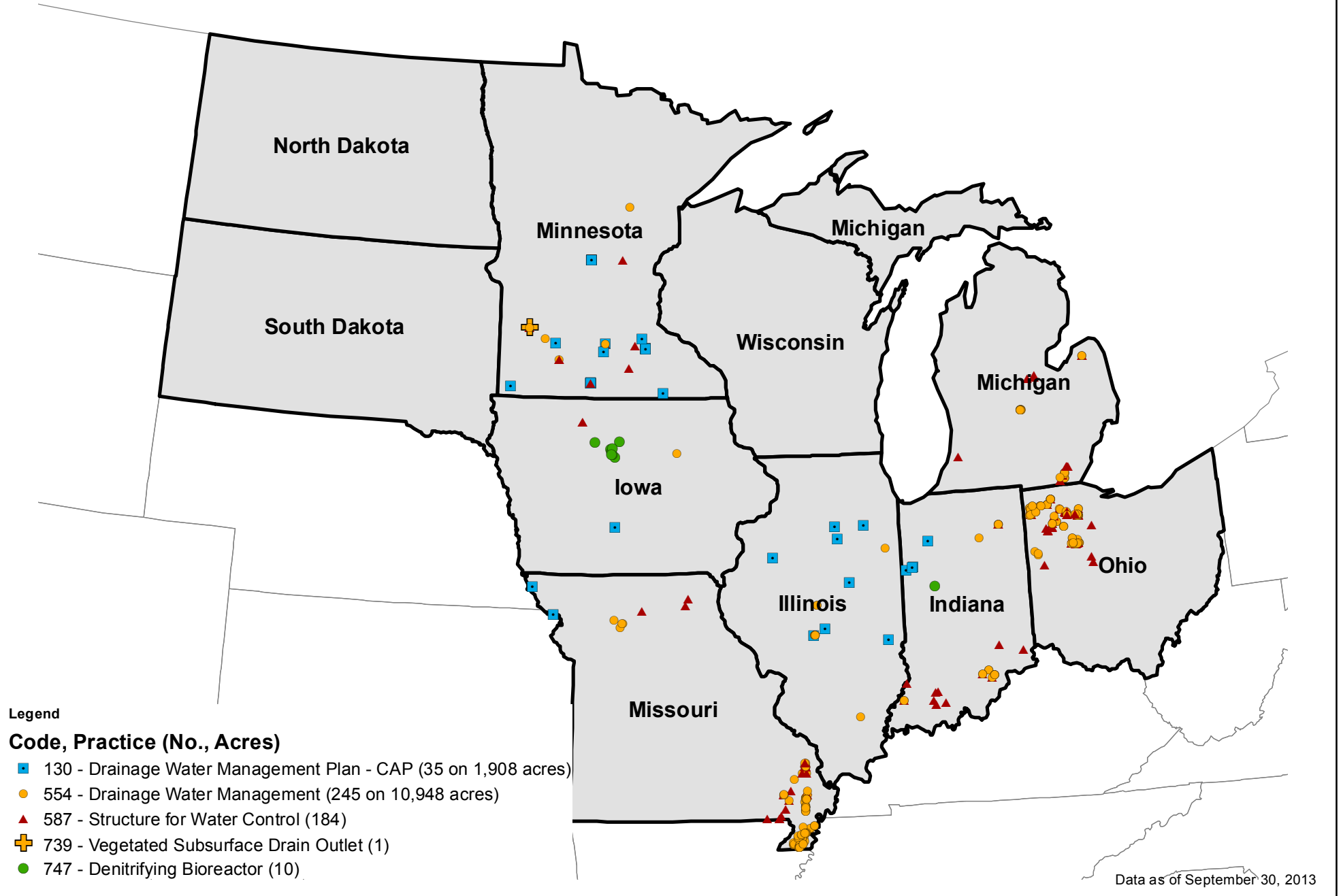
Practices Applied Practice Code/Count

- 554 / 44
- ▲ 587 / 117
- 607 / 1
- 608 / 6

Ag. Drainage Water Management Progress Report

Practices Applied

Fiscal Years 2012 - 2013



CONSERVATION ACTIVITY PLAN (CAP-130) PROGRESS

Drainage Water Management

FY 2013 Report

USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

Drainage Water Management

More Production ✓

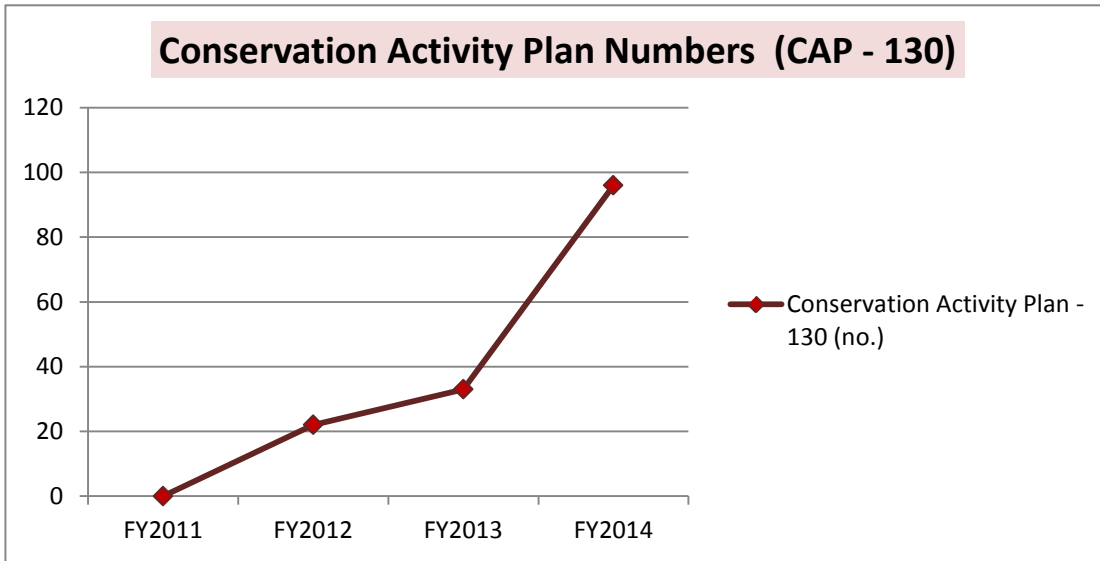
Less Risk ✓

Cleaner Water ✓

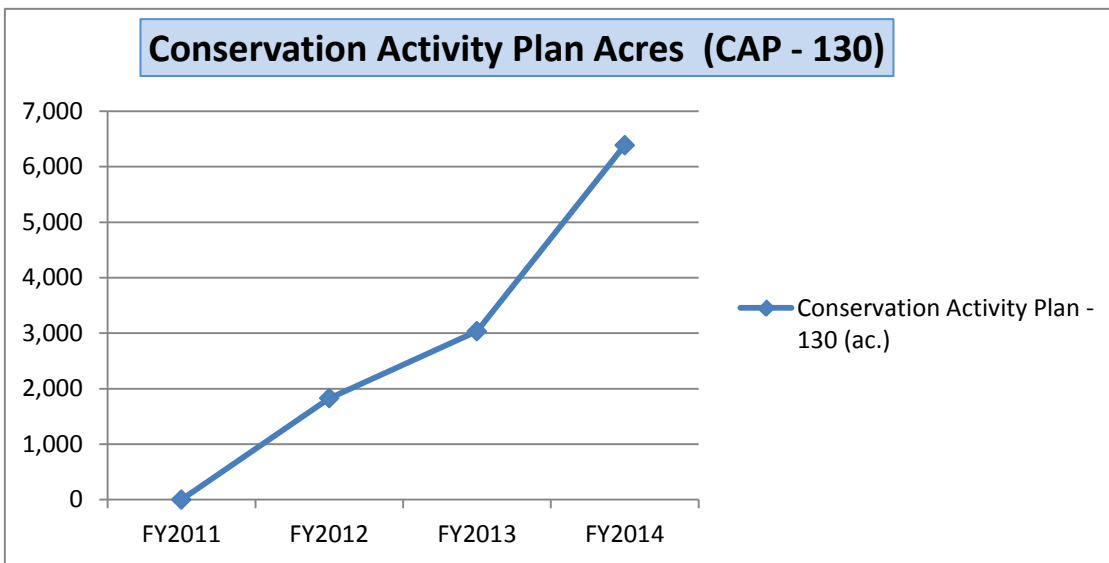
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Conservation Activity Plan Progress Report



| | FY2011 | FY2012 | FY2013 | FY2014 |
|--|--------|--------|--------|--------|
| Conservation Activity Plan - 130 (no.) | 0 | 22 | 33 | 96 |

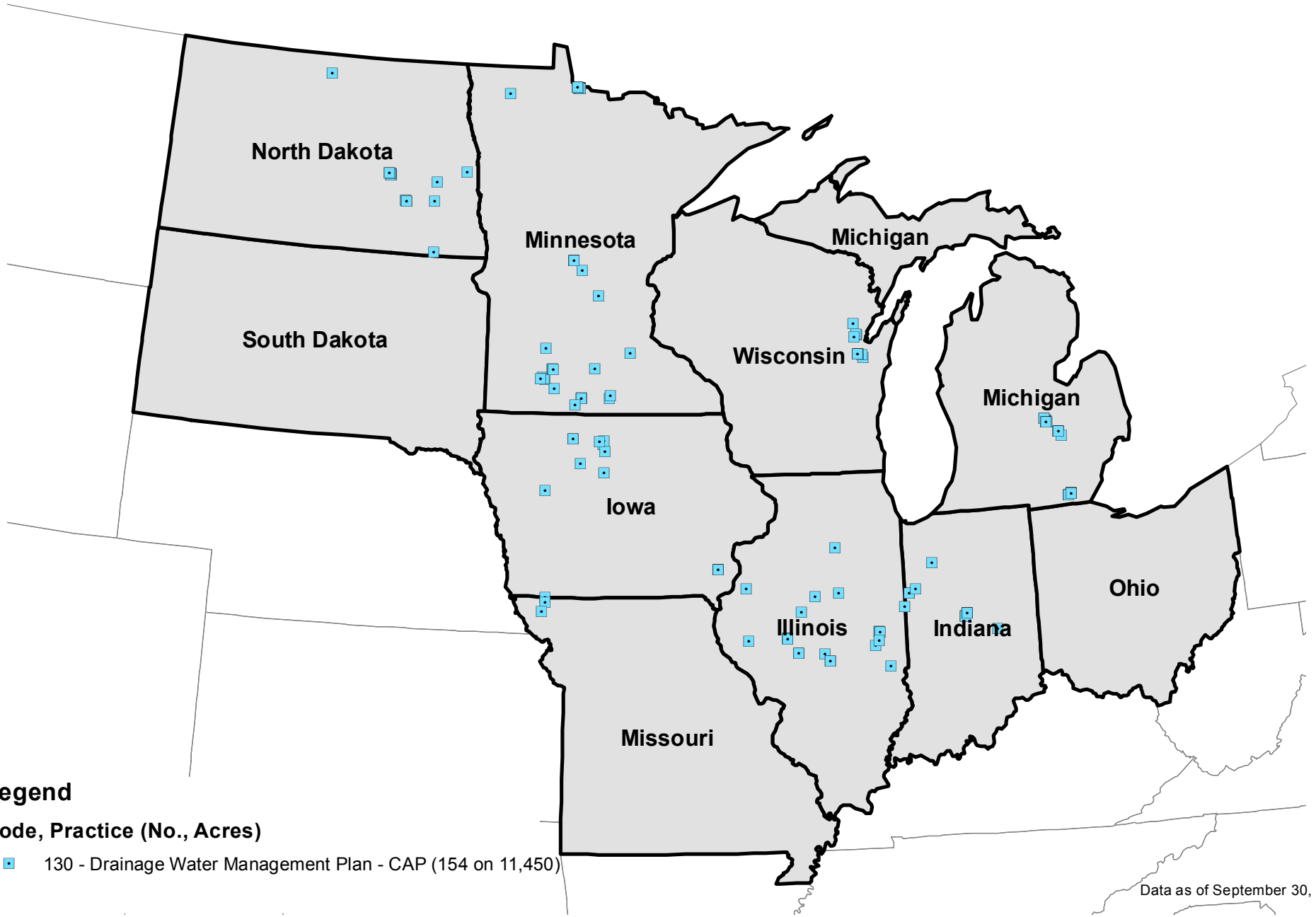


| | FY2011 | FY2012 | FY2013 | FY2014 |
|--|--------|--------|--------|--------|
| Conservation Activity Plan - 130 (ac.) | 0 | 1,825 | 3,034 | 6,388 |

Ag. Drainage Water Management Progress Report

CAP 130 Planned

Fiscal Years 2012 - 2016



Appendix:

Drainage Water Management Planned Acres and Practices Fiscal Year 2012

| Drainage Water Management Practices Planned | | | | | | | | | | | | |
|---|---------------|------|----------|---------|----------|-----------|----------|-----------|------|-----------|-----------|-------------|
| FY12 | | | | | | | | | | | | |
| Practice Name | Practice Code | Iowa | Illinois | Indiana | Michigan | Minnesota | Missouri | N. Dakota | Ohio | S. Dakota | Wisconsin | Total |
| Conservation Activity Plan (no.) | 130 | 5 | 7 | 1 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 22 |
| Conservation Activity Plan (ac.) | 130 | 178 | 655 | 144 | 0 | 848 | 0 | 0 | 0 | 0 | 0 | 1825 |
| Drainage Water Management (no.) | 554 | 1 | 7 | 15 | 30 | 15 | 67 | 0 | 47 | 0 | 0 | 182 |
| Drainage Water Management (ac.) | 554 | 120 | 437 | 752 | 1309 | 1282 | 3486 | 0 | 2504 | 0 | 0 | 9890 |
| Structure for Water Control | 587 | 1 | 1 | 8 | 38 | 10 | 18 | 0 | 14 | 0 | 0 | 90 |
| Denitifying Bioreactor | 747 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |

DWM Acres Planned and Practices Planned by State

FY2013 thru FY2015

As of Sept. 30, 2013

Planned in FY2013 - Drainage Water Management and Associated Practices

Fiscal Year 2013 Progress Report

| Practice Name | Practice Code | Iowa | Illinois | Indiana | Michigan | Minnesota | Missouri | N. Dakota | Ohio | S. Dakota | Wisconsin | Total |
|---------------------------------------|---------------|------|----------|---------|----------|-----------|----------|-----------|------|-----------|-----------|--------|
| Conservation Activity Plan (no.) | 130 | 6 | 11 | 4 | 3 | 4 | 0 | 2 | 0 | 0 | 3 | 33 |
| Conservation Activity Plan (ac.)1/ | 130 | 1012 | 651 | 219 | 203 | 455 | 0 | 401 | 0 | 0 | 93 | 3,034 |
| Drainage Water Management (no.) 2/ 3/ | 554 | 5 | 7 | 12 | 145 | 10 | 89 | 0 | 34 | 0 | 2 | 304 |
| Drainage Water Management (ac.) | 554 | 342 | 359 | 603 | 6405 | 164 | 3618 | 0 | 1577 | 0 | 76 | 13,144 |
| Structure for Water Control | 587 | 8 | 1 | 10 | 220 | 22 | 21 | 0 | 39 | 6 | 1 | 328 |
| Denitifying Bioreactor | 747 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| Vegetated Subsurface Drain Outlet | 739 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

1/ This item reflect acres of the land units (such as whole fields) that the practice was applied to, not actual acres of practice.

2/ This number reflects the number of land units (such as fields) that the plans were developed on, not the number of farms.

3/ Drainage Water Management may recur from year to year

Planned for FY2014 as of 9/30/2013 - Drainage Water Management and Associated Practices

Fiscal Year 2013 Progress Report

| Practice Name | Practice Code | Iowa | Illinois | Indiana | Michigan | Minnesota | Missouri | N. Dakota | Ohio | S. Dakota | Wisconsin | Total |
|---------------------------------------|---------------|------|----------|---------|----------|-----------|----------|-----------|------|-----------|-----------|--------|
| Conservation Activity Plan (no.) | 130 | 3 | 5 | 6 | 21 | 38 | 3 | 14 | 0 | 0 | 6 | 96 |
| Conservation Activity Plan (ac.)1/ | 130 | 246 | 313 | 228 | 603 | 1782 | 253 | 2547 | 0 | 0 | 416 | 6,388 |
| Drainage Water Management (no.) 2/ 3/ | 554 | 4 | 7 | 16 | 200 | 92 | 91 | 0 | 67 | 0 | 8 | 485 |
| Drainage Water Management (ac.) 3/ | 554 | 264 | 503 | 638 | 8546 | 579 | 3644 | 0 | 2664 | 0 | 117 | 16,955 |
| Structure for Water Control | 587 | 0 | 3 | 19 | 68 | 9 | 39 | 3 | 80 | 18 | 0 | 239 |
| Denitifying Bioreactor | 747 | 2 | 0 | 2 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 12 |
| Vegetated Subsurface Drain Outlet | 739 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

1/ This item reflect acres of the land units (such as whole fields) that the practice was applied to, not actual acres of practice.

2/ This number reflects the number of land units (such as fields) that the plans were developed on, not the number of farms.

3/ Drainage Water Management may recur from year to year

DWM Acres Planned and Practices Planned by State

FY2013 thru FY2015

As of Sept. 30, 2013

Planned for FY2015 as of 9/30/2013 - Drainage Water Management and Associated Practices

Fiscal Year 2013 Progress Report

| Practice Name | Practice Code | Iowa | Illinois | Indiana | Michigan | Minnesota | Missouri | N. Dakota | Ohio | S. Dakota | Wisconsin | Total |
|---------------------------------------|---------------|------|----------|---------|----------|-----------|----------|-----------|------|-----------|-----------|--------|
| Conservation Activity Plan (no.) | 130 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Conservation Activity Plan (ac.)1/ | 130 | 0 | 0 | 0 | 203 | 0 | 0 | 0 | 0 | 0 | 0 | 203 |
| Drainage Water Management (no.) 2/ 3/ | 554 | 4 | 2 | 13 | 188 | 12 | 21 | 0 | 88 | 0 | 0 | 328 |
| Drainage Water Management (ac.) 3/ | 554 | 264 | 140 | 654 | 8426 | 525 | 982 | 0 | 2960 | 0 | 0 | 13,951 |
| Structure for Water Control | 587 | 0 | 1 | 7 | 99 | 11 | 21 | 2 | 16 | 1 | 0 | 158 |
| Denitifying Bioreactor | 747 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 5 |
| Vegetated Subsurface Drain Outlet | 739 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

1/ This item reflect acres of the land units (such as whole fields) that the practice was applied to, not actual acres of practice.

2/ This number reflects the number of land units (such as fields) that the plans were developed on, not the number of farms.

3/ Drainage Water Management may recur from year to year

Planned for FY2016 as of 9/30/2013 - Drainage Water Management and Associated Practices

Fiscal Year 2013 Progress Report

| Practice Name | Practice Code | Iowa | Illinois | Indiana | Michigan | Minnesota | Missouri | N. Dakota | Ohio | S. Dakota | Wisconsin | Total |
|---------------------------------------|---------------|------|----------|---------|----------|-----------|----------|-----------|------|-----------|-----------|-------|
| Conservation Activity Plan (no.) | 130 | | | | | | | | | | | 0 |
| Conservation Activity Plan (ac.)1/ | 130 | | | | | | | | | | | 0 |
| Drainage Water Management (no.) 2/ 3/ | 554 | | | 10 | 65 | 16 | 68 | | | | | 159 |
| Drainage Water Management (ac.) 3/ | 554 | | | 342 | 3715 | 639 | 2021 | | | | | 6,717 |
| Structure for Water Control | 587 | | | | 72 | | 1 | | | | | 73 |
| Denitifying Bioreactor | 747 | 1 | | | | | | | | | | 1 |
| Vegetated Subsurface Drain Outlet | 739 | | | | | | | | | | | 0 |

1/ This item reflect acres of the land units (such as whole fields) that the practice was applied to, not actual acres of practice.

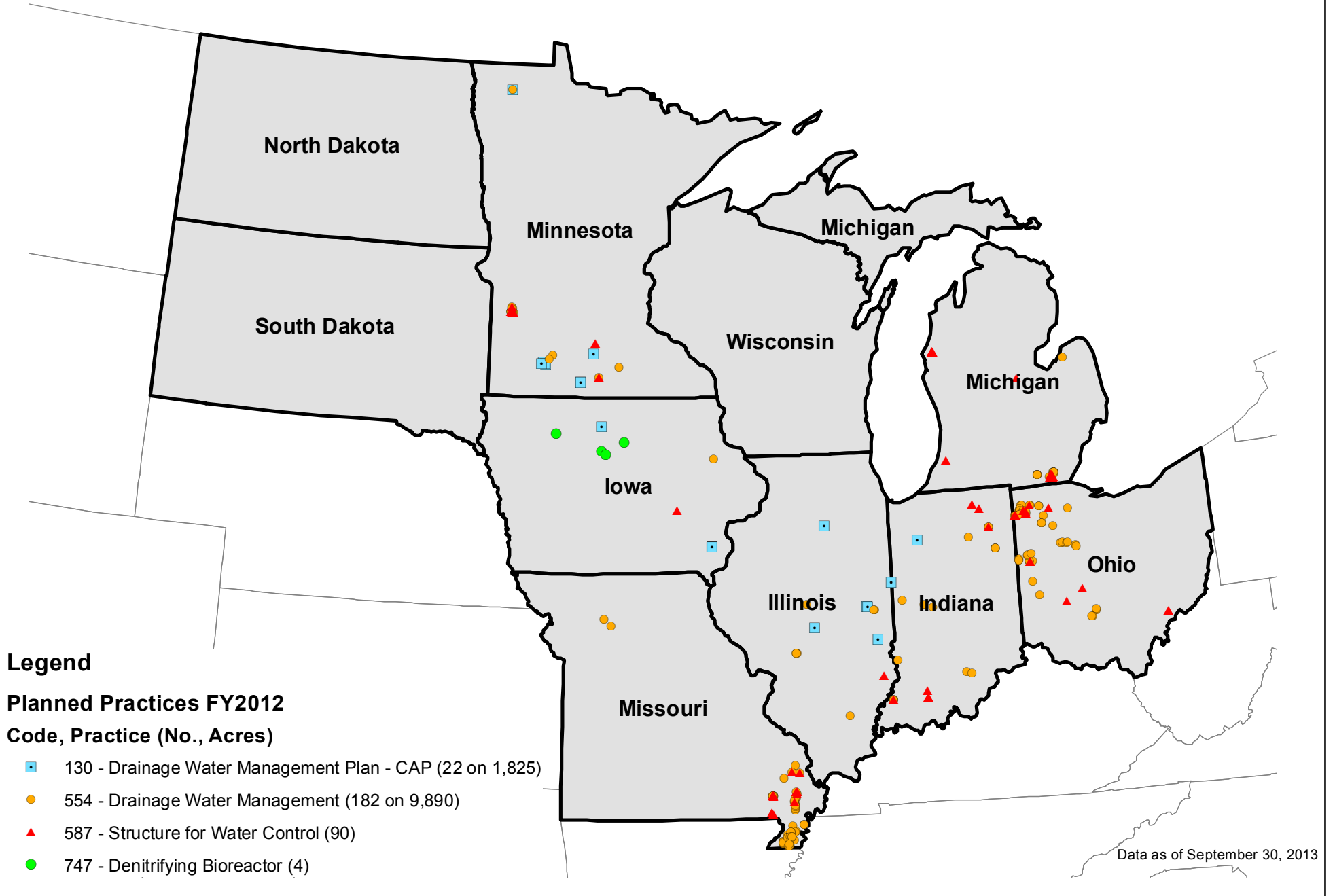
2/ This number reflects the number of land units (such as fields) that the plans were developed on, not the number of farms.

3/ Drainage Water Management may recur from year to year

Ag. Drainage Water Management Progress Report

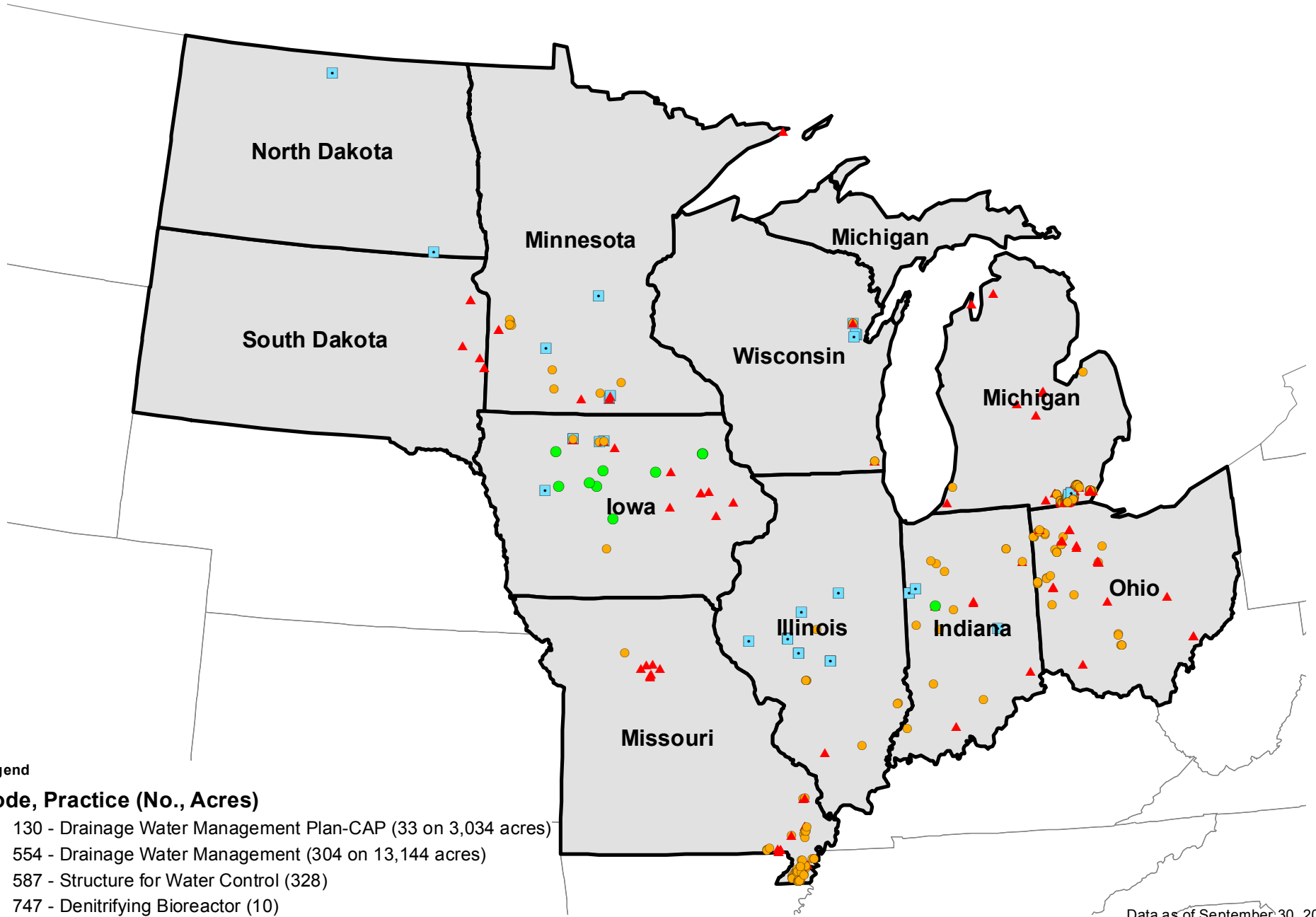
Practices Planned

Fiscal Year 2012



Ag. Drainage Water Management Progress Report Fiscal Year 2013

Location of Practices Planned for Fiscal Year 2013



Legend

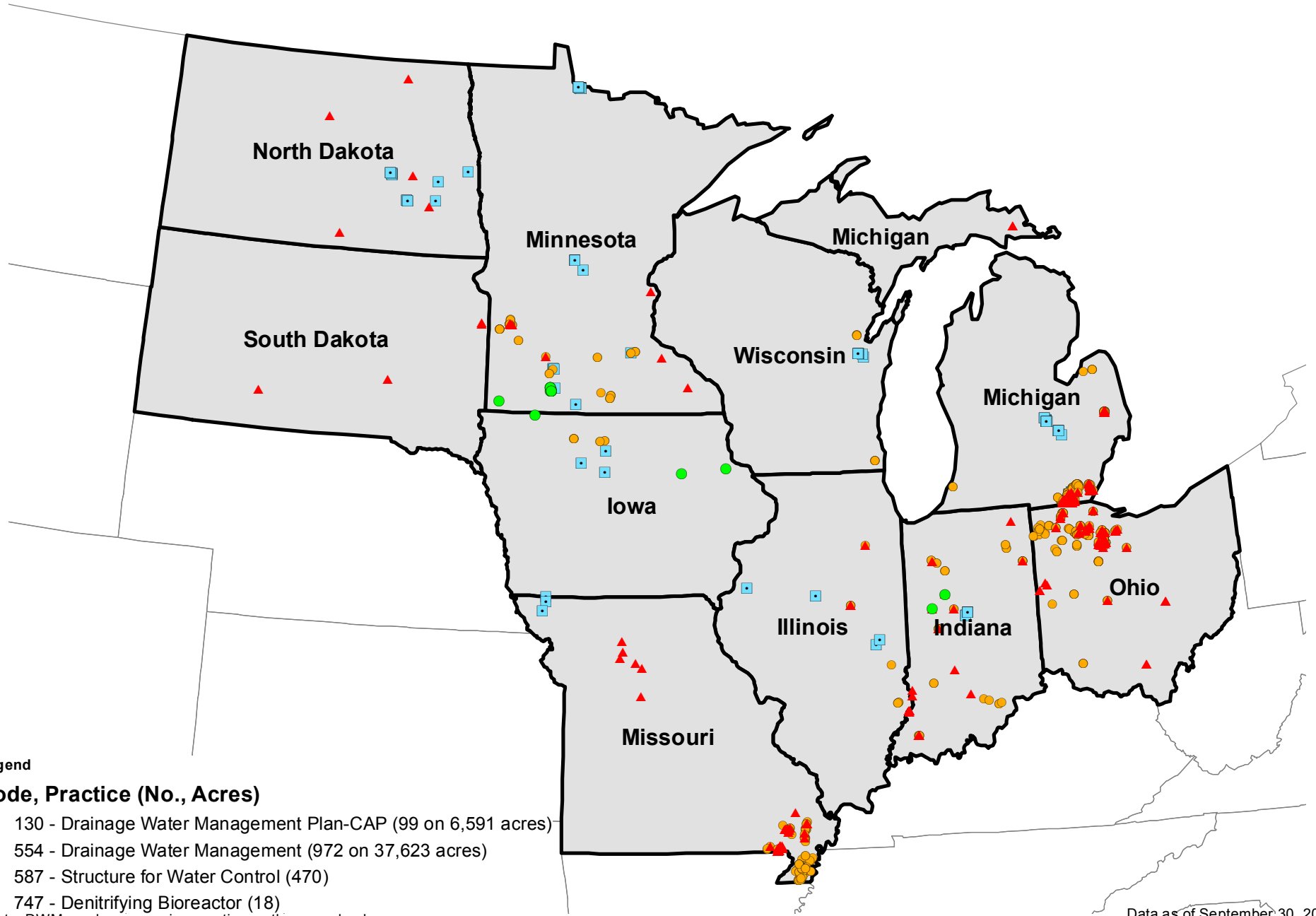
Code, Practice (No., Acres)

- 130 - Drainage Water Management Plan-CAP (33 on 3,034 acres)
- 554 - Drainage Water Management (304 on 13,144 acres)
- ▲ 587 - Structure for Water Control (328)
- 747 - Denitrifying Bioreactor (10)

Data as of September 30, 2013

Ag. Drainage Water Management Progress Report Fiscal Year 2013

Location of Practices Planned for Fiscal Years 2014 thru 2016



Legend

Code, Practice (No., Acres)

- 130 - Drainage Water Management Plan-CAP (99 on 6,591 acres)
 - 554 - Drainage Water Management (972 on 37,623 acres)
 - ▲ 587 - Structure for Water Control (470)
 - 747 - Denitrifying Bioreactor (18)
- Note: DWM can be a recurring practice on the same land

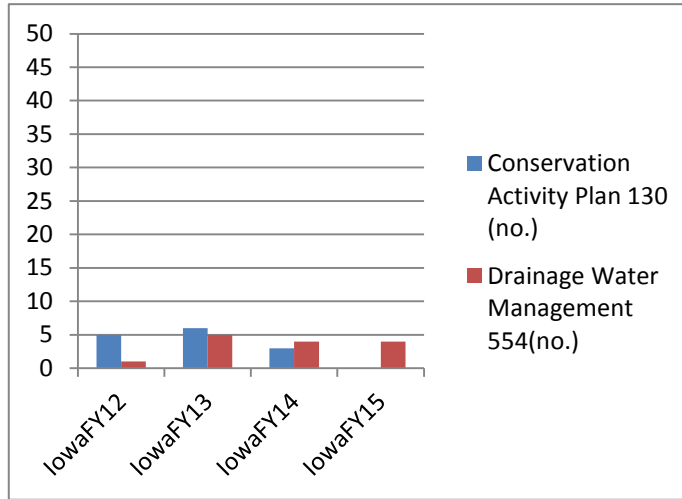
Data as of September 30, 2013

States' Report on DWM Planning

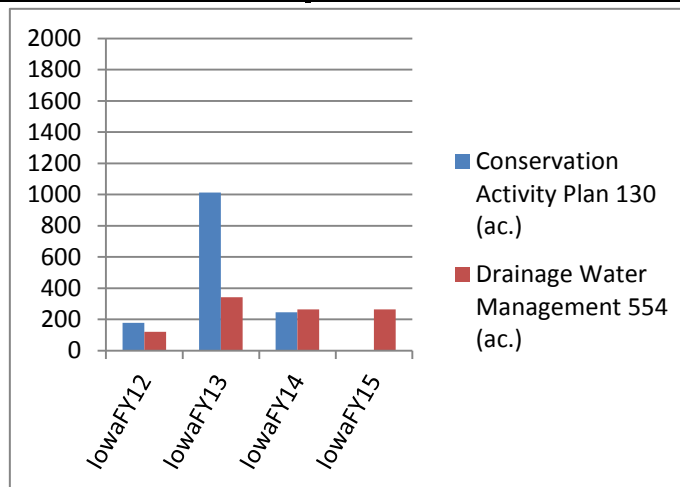
Fy12 thru FY15

IOWA Plan Number and Acres FY12 thru FY15

| | IowaFY12 | IowaFY13 | IowaFY14 | IowaFY15 |
|--------------------------------------|----------|----------|----------|----------|
| Conservation Activity Plan 130 (no.) | 5 | 6 | 3 | 0 |
| Drainage Water Management 554(no.) | 1 | 5 | 4 | 4 |

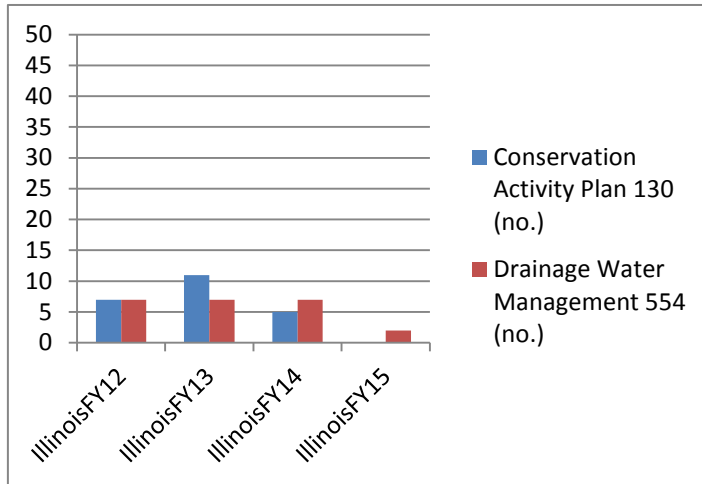


| Iowa - Acres of Plans | | | | |
|--------------------------------------|----------|----------|----------|----------|
| | IowaFY12 | IowaFY13 | IowaFY14 | IowaFY15 |
| Conservation Activity Plan 130 (ac.) | 178 | 1012 | 246 | 0 |
| Drainage Water Management 554 (ac.) | 120 | 342 | 264 | 264 |

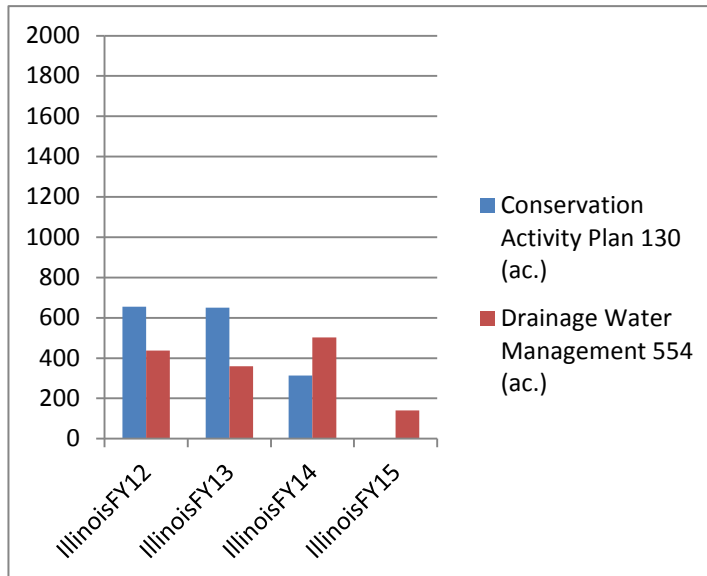


ILLINOIS Plan Number and Acres FY12 thru FY15

| Illinois - Number of Plans | | | | |
|---|--------------|--------------|--------------|--------------|
| | IllinoisFY12 | IllinoisFY13 | IllinoisFY14 | IllinoisFY15 |
| Conservation Activity Plan 130 (no.) | 7 | 11 | 5 | 0 |
| Drainage Water Management 554 (no.) | 7 | 7 | 7 | 2 |

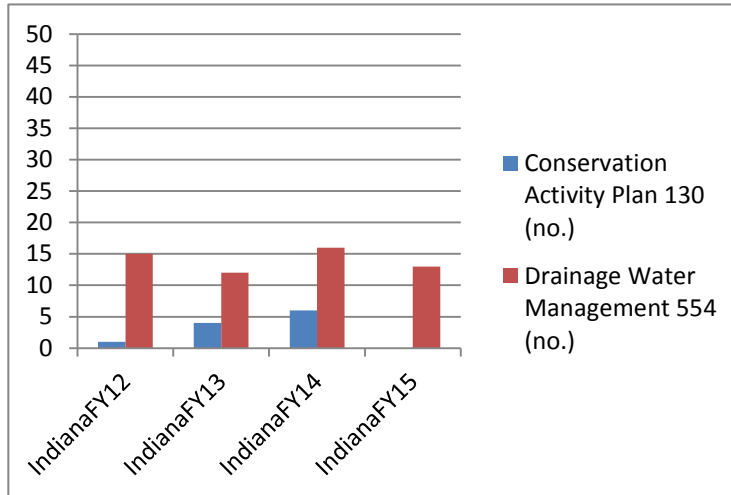


| Illinois - Acres of Plans | | | | |
|---|--------------|--------------|--------------|--------------|
| | IllinoisFY12 | IllinoisFY13 | IllinoisFY14 | IllinoisFY15 |
| Conservation Activity Plan 130 (ac.) | 655 | 651 | 313 | 0 |
| Drainage Water Management 554 (ac.) | 437 | 359 | 503 | 140 |

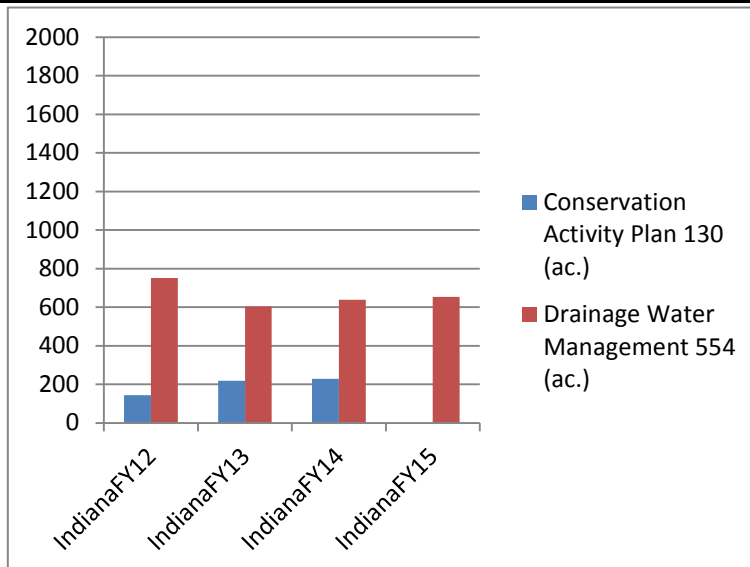


INDIANA Plan Number and Acres FY12 thru FY15

| Indiana - Number of Plans | | | | |
|---|-------------|-------------|-------------|-------------|
| | IndianaFY12 | IndianaFY13 | IndianaFY14 | IndianaFY15 |
| Conservation Activity Plan 130 (no.) | 1 | 4 | 6 | 0 |
| Drainage Water Management 554 (no.) | 15 | 12 | 16 | 13 |



| Indiana - Acres of Plans | | | | |
|---|-------------|-------------|-------------|-------------|
| | IndianaFY12 | IndianaFY13 | IndianaFY14 | IndianaFY15 |
| Conservation Activity Plan 130 (ac.) | 144 | 219 | 228 | 0 |
| Drainage Water Management 554 (ac.) | 752 | 603 | 639 | 654 |

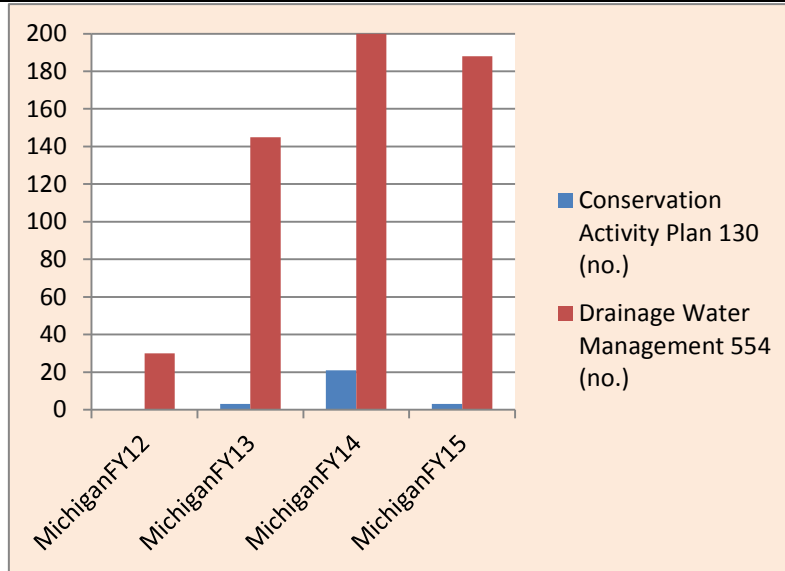


MICHIGAN Plan Number and Acres **

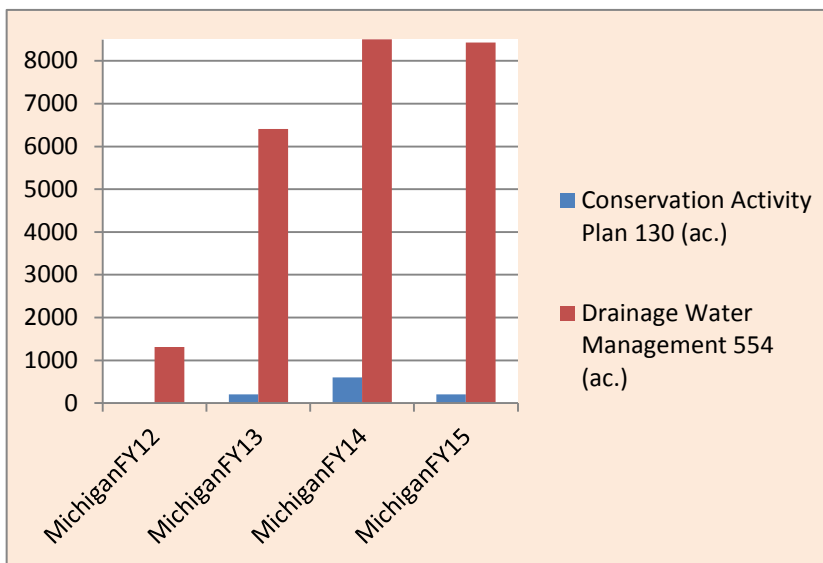
FY12 thru FY15

NOTE: Colored Graphs are at a larger scale than all others.

| Michigan - Number of Plans | | | | |
|--------------------------------------|--------------|--------------|--------------|--------------|
| | MichiganFY12 | MichiganFY13 | MichiganFY14 | MichiganFY15 |
| Conservation Activity Plan 130 (no.) | 0 | 3 | 21 | 3 |
| Drainage Water Management 554 (no.) | 30 | 145 | 200 | 188 |



| Michigan - Acres of Plans | | | | |
|--------------------------------------|--------------|--------------|--------------|--------------|
| | MichiganFY12 | MichiganFY13 | MichiganFY14 | MichiganFY15 |
| Conservation Activity Plan 130 (ac.) | 0 | 203 | 603 | 203 |
| Drainage Water Management 554 (ac.) | 1309 | 6405 | 8546 | 8426 |

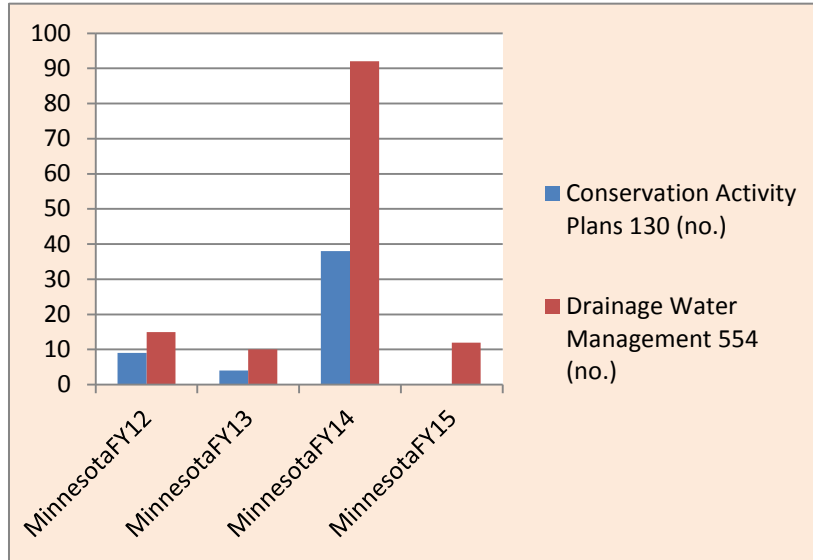


** Top 3 Acknowledgement

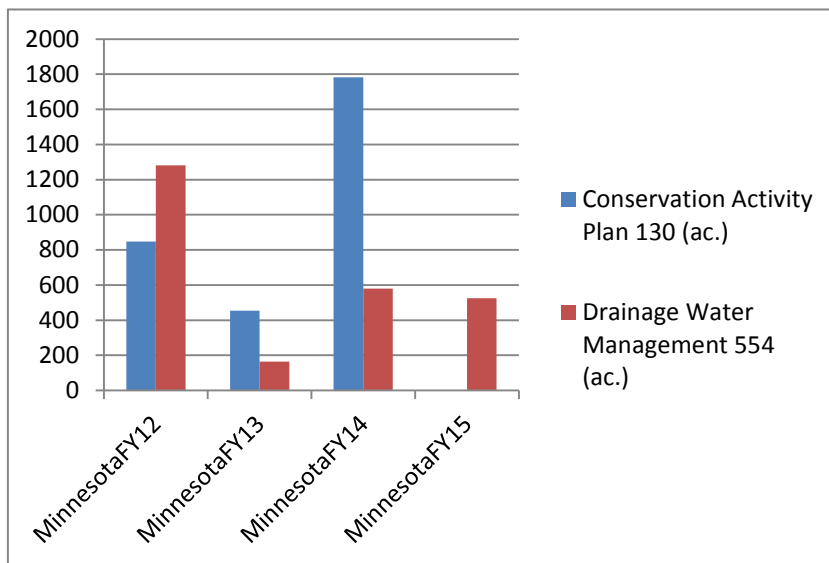
MINNESOTA Plan Number and Acres FY12 thru FY15

NOTE: Colored Graphs are at a larger scale than all others.

| Minnesota - Number of Plans | | | | |
|--|---------------|---------------|---------------|---------------|
| | MinnesotaFY12 | MinnesotaFY13 | MinnesotaFY14 | MinnesotaFY15 |
| Conservation Activity Plans 130 (no.) | 9 | 4 | 38 | 0 |
| Drainage Water Management 554 (no.) | 15 | 10 | 92 | 12 |



| Minnesota - Acres of Plans | | | | |
|---|---------------|---------------|---------------|---------------|
| | MinnesotaFY12 | MinnesotaFY13 | MinnesotaFY14 | MinnesotaFY15 |
| Conservation Activity Plan 130 (ac.) | 848 | 455 | 1782 | 0 |
| Drainage Water Management 554 (ac.) | 1282 | 164 | 579 | 525 |

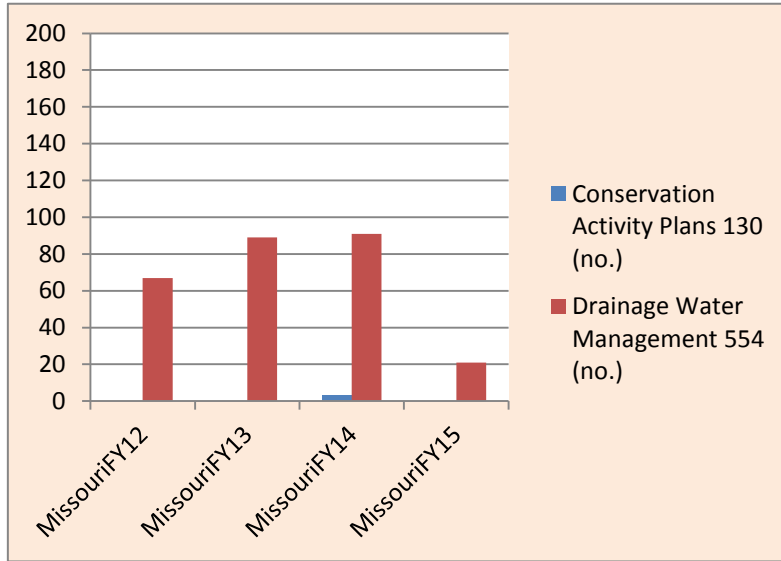


MISSOURI Plan Number and Acres **

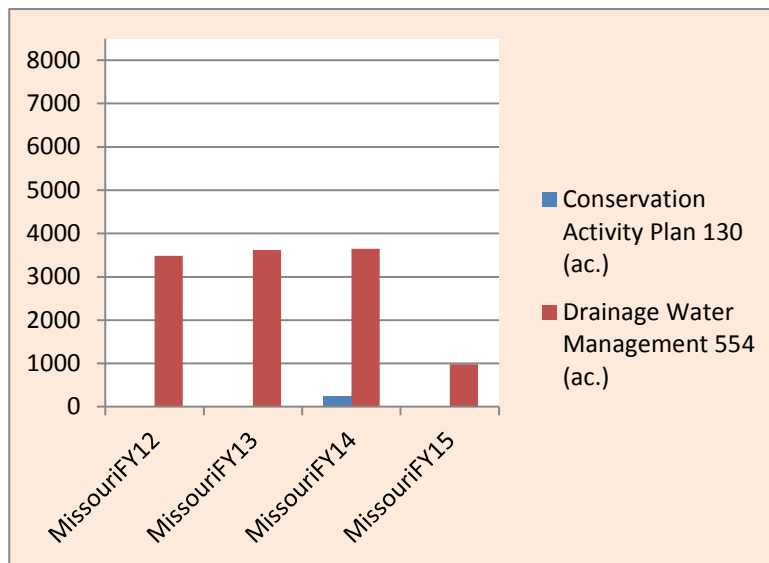
FY12 thru FY15

NOTE: Colored Graphs are at a larger scale than all others.

| Missouri - Number of Plans | | | | |
|---------------------------------------|--------------|--------------|--------------|--------------|
| | MissouriFY12 | MissouriFY13 | MissouriFY14 | MissouriFY15 |
| Conservation Activity Plans 130 (no.) | 0 | 0 | 3 | 0 |
| Drainage Water Management 554 (no.) | 67 | 89 | 91 | 21 |



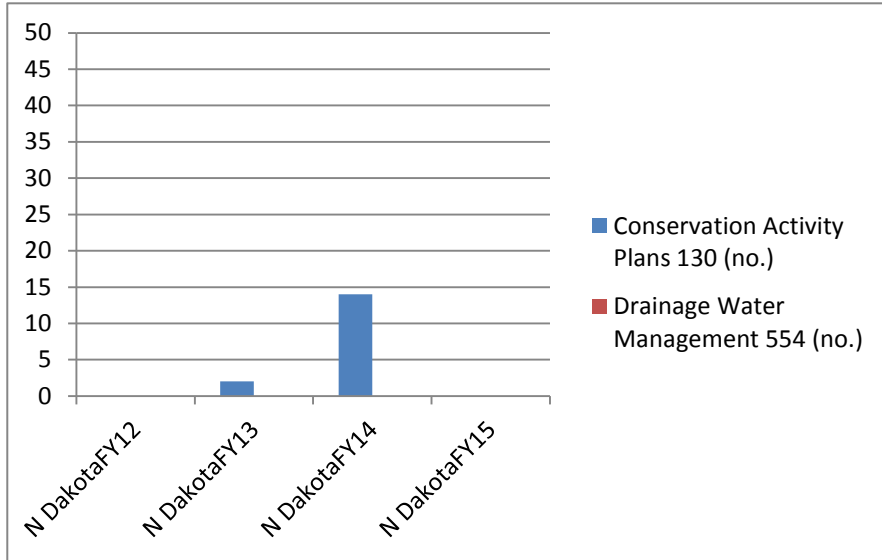
| Missouri - Acres of Plans | | | | |
|--------------------------------------|--------------|--------------|--------------|--------------|
| | MissouriFY12 | MissouriFY13 | MissouriFY14 | MissouriFY15 |
| Conservation Activity Plan 130 (ac.) | 0 | 0 | 253 | 0 |
| Drainage Water Management 554 (ac.) | 3486 | 3618 | 3644 | 982 |



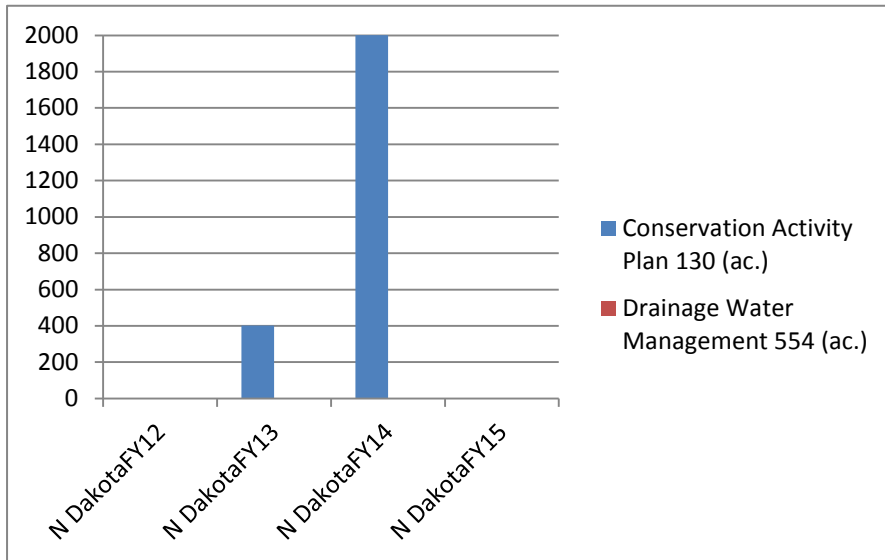
** Top 3 Acknowledgement

NORTH DAKOTA Plan Number and Acres FY12 thru FY15

| North Dakota - Number of Plans | | | | |
|---------------------------------------|--------------|--------------|--------------|--------------|
| | N DakotaFY12 | N DakotaFY13 | N DakotaFY14 | N DakotaFY15 |
| Conservation Activity Plans 130 (no.) | 0 | 2 | 14 | 0 |
| Drainage Water Management 554 (no.) | 0 | 0 | 0 | 0 |



| North Dakota - Acres of Plans | | | | |
|--------------------------------------|--------------|--------------|--------------|--------------|
| | N DakotaFY12 | N DakotaFY13 | N DakotaFY14 | N DakotaFY15 |
| Conservation Activity Plan 130 (ac.) | 0 | 401 | 2547 | 0 |
| Drainage Water Management 554 (ac.) | 0 | 0 | 0 | 0 |

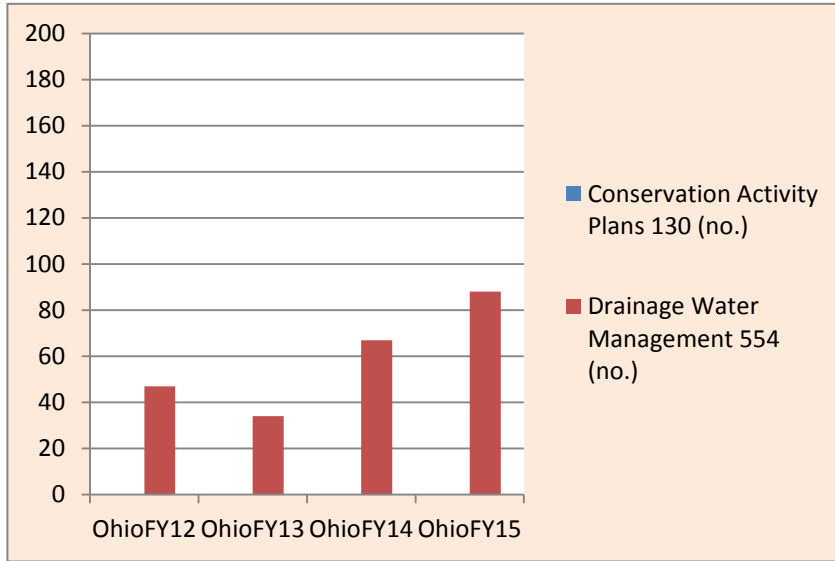


OHIO Plan Number and Acres **

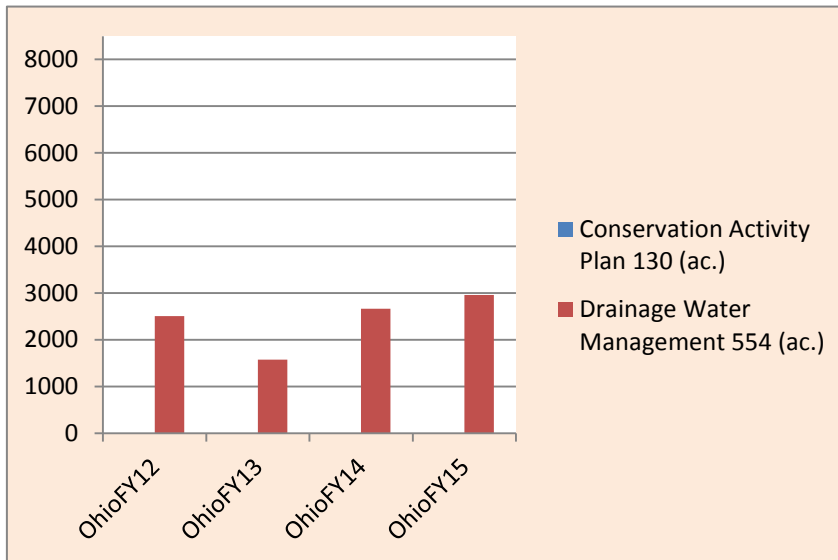
FY12 thru FY15

NOTE: Colored Graphs are at a larger scale than all others.

| Ohio - Number of Plans | | | | |
|---------------------------------------|----------|----------|----------|----------|
| | OhioFY12 | OhioFY13 | OhioFY14 | OhioFY15 |
| Conservation Activity Plans 130 (no.) | 0 | 0 | 0 | 0 |
| Drainage Water Management 554 (no.) | 47 | 34 | 67 | 88 |



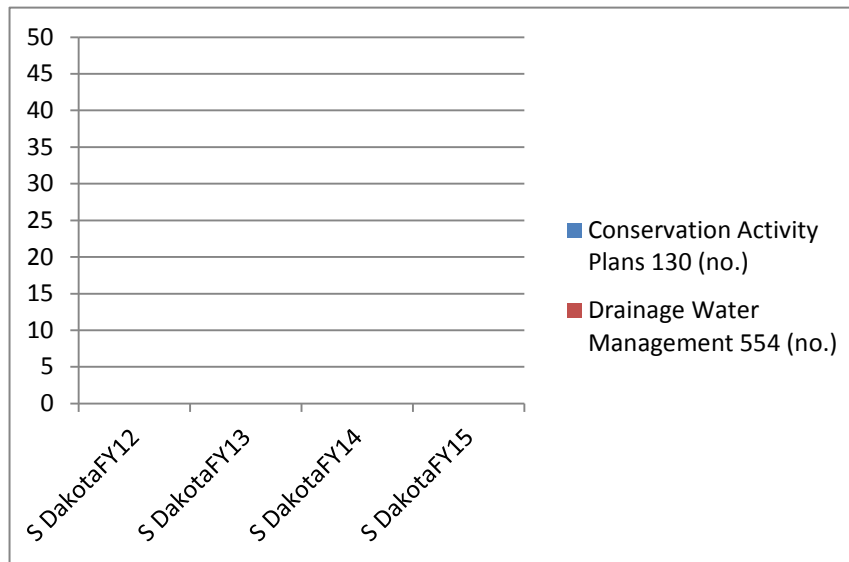
| Ohio - Acres of Plans | | | | |
|--------------------------------------|----------|----------|----------|----------|
| | OhioFY12 | OhioFY13 | OhioFY14 | OhioFY15 |
| Conservation Activity Plan 130 (ac.) | 0 | 0 | 0 | 0 |
| Drainage Water Management 554 (ac.) | 2504 | 1577 | 2664 | 2960 |



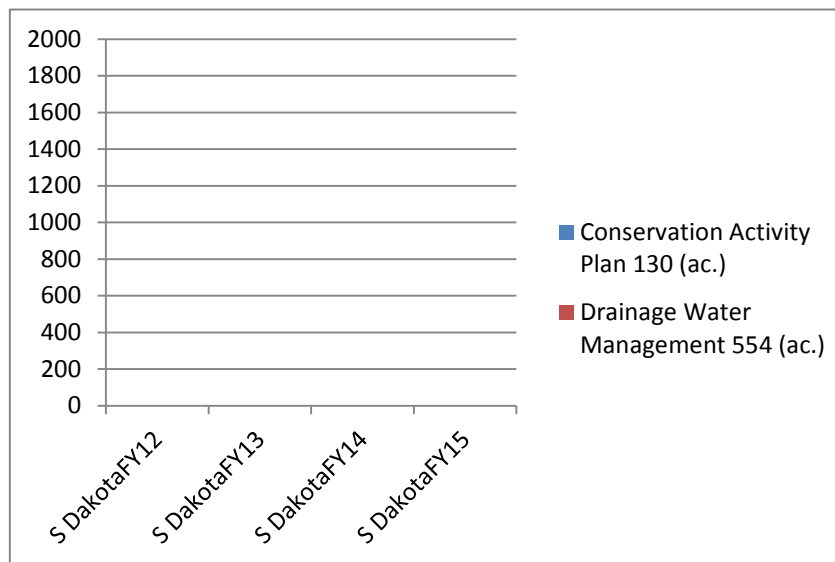
** Top 3 Acknowledgement

SOUTH DAKOTA Plan Number and Acres FY12 thru FY15

| South Dakota - Number of Plans | | | | |
|--|--------------|--------------|--------------|--------------|
| | S DakotaFY12 | S DakotaFY13 | S DakotaFY14 | S DakotaFY15 |
| Conservation Activity Plans 130 (no.) | 0 | 0 | 0 | 0 |
| Drainage Water Management 554 (no.) | 0 | 0 | 0 | 0 |

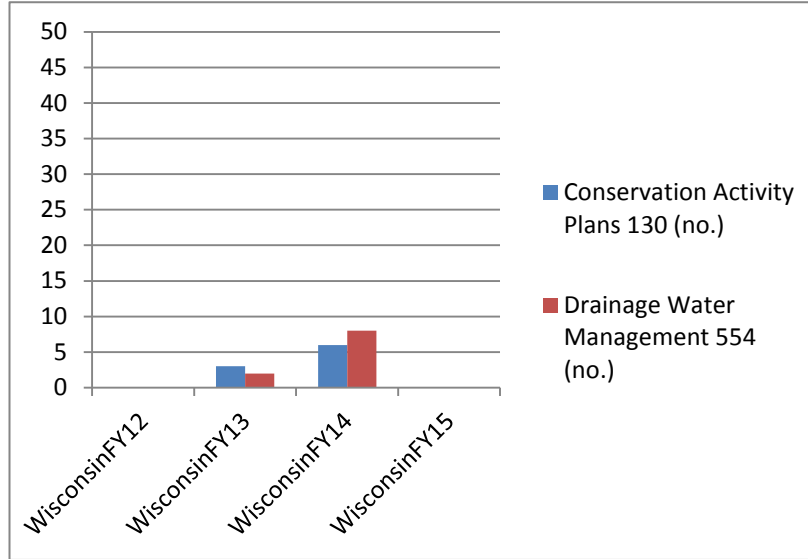


| South Dakota - Acres of Plans | | | | |
|---|--------------|--------------|--------------|--------------|
| | S DakotaFY12 | S DakotaFY13 | S DakotaFY14 | S DakotaFY15 |
| Conservation Activity Plan 130 (ac.) | 0 | 0 | 0 | 0 |
| Drainage Water Management 554 (ac.) | 0 | 0 | 0 | 0 |

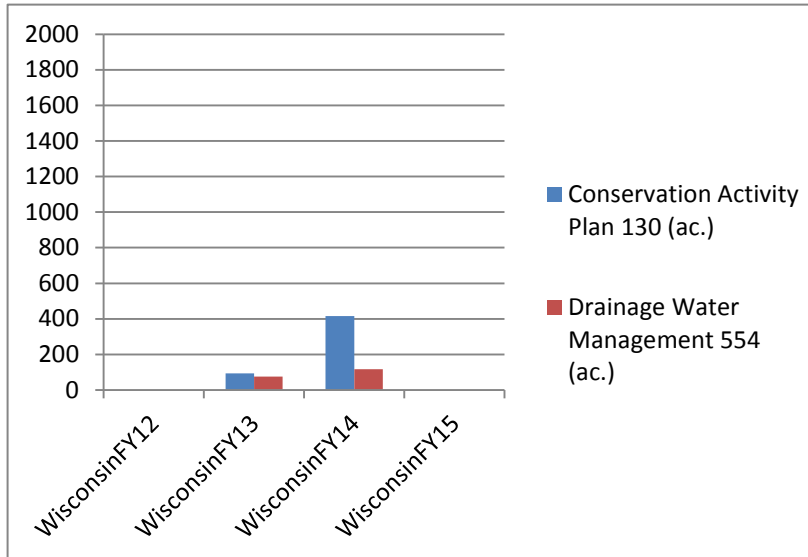


WISCONSIN Plan Number and Acres FY12 thru FY15

| Wisconsin - Number of Plans | | | | |
|--|---------------|---------------|---------------|---------------|
| | WisconsinFY12 | WisconsinFY13 | WisconsinFY14 | WisconsinFY15 |
| Conservation Activity Plans 130 (no.) | 0 | 3 | 6 | 0 |
| Drainage Water Management 554 (no.) | 0 | 2 | 8 | 0 |



| Wisconsin - Acres of Plans | | | | |
|---|---------------|---------------|---------------|---------------|
| | WisconsinFY12 | WisconsinFY13 | WisconsinFY14 | WisconsinFY15 |
| Conservation Activity Plan 130 (ac.) | 0 | 93 | 416 | 0 |
| Drainage Water Management 554 (ac.) | 0 | 76 | 117 | 0 |



Applied in FY2012 - Drainage Water Management and Associated Practices

Fiscal Year FY12 Progress Report

| Practice Name | Practice Code | Iowa | Illinois | Indiana | Michigan | Minnesota | Missouri | N. Dakota | Ohio | S. Dakota | Wisconsin | Total |
|----------------------------------|---------------|------|----------|---------|----------|-----------|----------|-----------|------|-----------|-----------|-------|
| Conservation Activity Plan (no.) | 130 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Conservation Activity Plan (ac.) | 130 | 0 | 157 | 117 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 274 |
| Drainage Water Management (no.) | 554 | 0 | 5 | 3 | 15 | 2 | 40 | 0 | 31 | 0 | 0 | 96 |
| Drainage Water Management (ac.) | 554 | 0 | 253 | 48 | 797 | 339 | 1598 | 0 | 972 | 0 | 0 | 4007 |
| Structure for Water Control | 587 | 0 | 0 | 8 | 9 | 4 | 25 | 0 | 28 | 0 | 0 | 74 |
| Denitifying Bioreactor | 747 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |

Applied in FY2013 - Drainage Water Management and Associated Practices

Fiscal Year 2013 Progress Report

| Practice Name | Practice Code | Iowa | Illinois | Indiana | Michigan | Minnesota | Missouri | N. Dakota | Ohio | S. Dakota | Wisconsin | Total |
|---------------------------------------|---------------|------|----------|---------|----------|-----------|----------|-----------|------|-----------|-----------|-------|
| Conservation Activity Plan (no.) | 130 | 1 | 7 | 4 | 0 | 18 | 2 | 0 | 0 | 0 | 0 | 32 |
| Conservation Activity Plan (ac.)1/ | 130 | 82 | 395 | 328 | 0 | 640 | 189 | 0 | 0 | 0 | 0 | 1,634 |
| Drainage Water Management (no.) 2/ 3/ | 554 | 1 | 5 | 15 | 7 | 3 | 71 | 0 | 47 | 0 | 0 | 149 |
| Drainage Water Management (ac.) 3/ | 554 | 15 | 453 | 502 | 321 | 151 | 3254 | 0 | 2245 | 0 | 0 | 6,941 |
| Structure for Water Control | 587 | 2 | 0 | 8 | 24 | 11 | 12 | 0 | 53 | 0 | 0 | 110 |
| Denitifying Bioreactor | 747 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Vegetated Subsurface Drain Outlet | 739 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |

1/ This item reflect acres of the land units (such as whole fields) that the practice was applied to, not actual acres of practice.

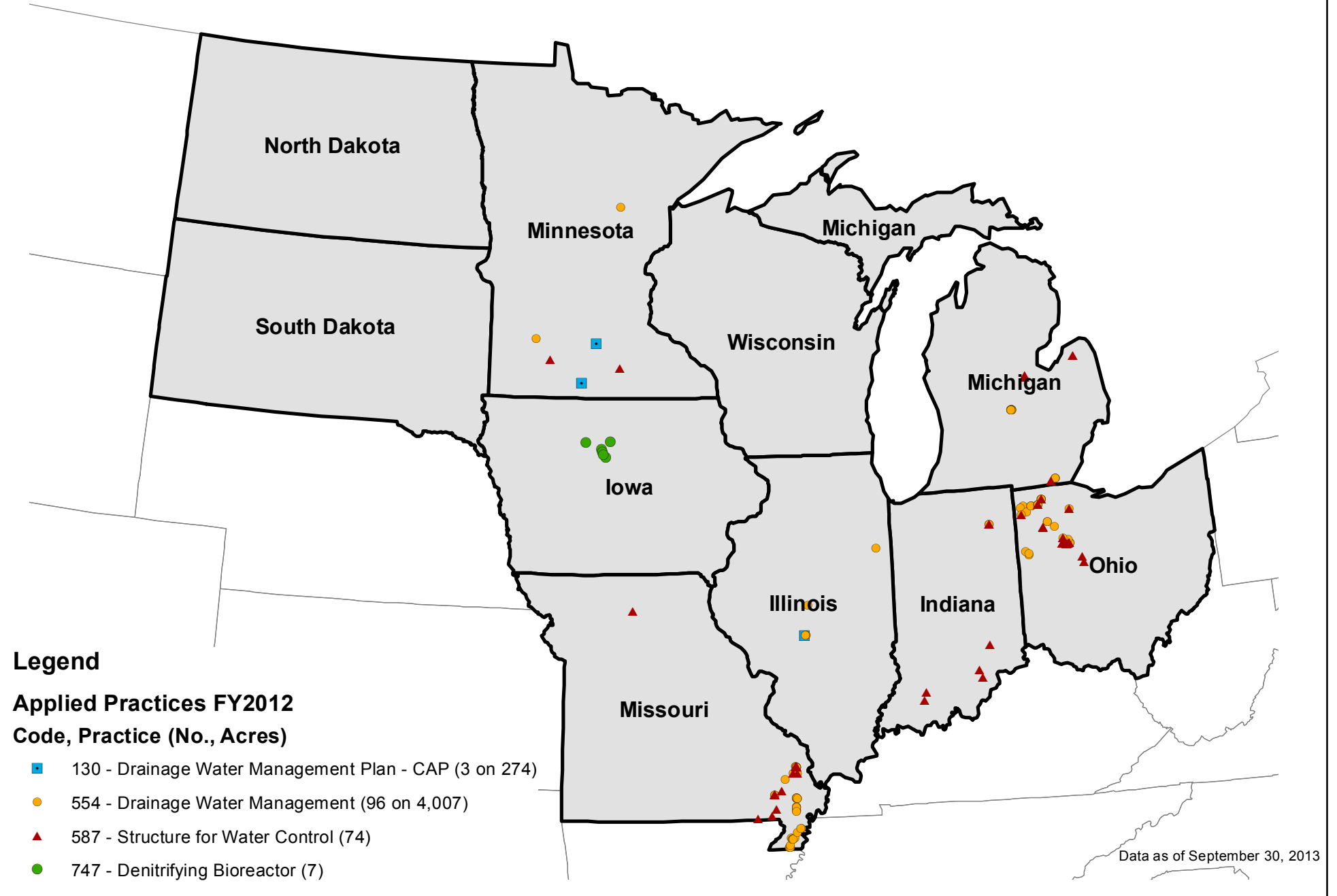
2/ This number reflects the number of land units (such as fields) that the plans were developed on, not the number of farms.

3/ Drainage Water Management may recur from year to year

Ag. Drainage Water Management Progress Report

Practices Applied

Fiscal Year 2012



Ag. Drainage Water Management Progress Report

Practices Applied

Fiscal Year 2013

