

**RESOLUTION NO. 2017-\_\_\_**

**Amending Land Information Plan to Include Unmanned Aircraft Systems Program**

Executive Summary

An Unmanned Aircraft Systems (UAS) workgroup with representatives from Administration, Corporation Counsel, Highway, Land and Water Conservation, Land Information, Parks and the Sheriff's Office was formed in 2017 to study the use of UAS in county government. The workgroup identified numerous potential benefits of a UAS program for public safety, transportation, recreation and conservation. A budget of \$17,000 was recommended in the 2018 Land Information Program Budget for UAS training, equipment and software. The UAS workgroup will continue to develop appropriate training, policies and standard operating procedures to implement a safe, ethical and sustainable UAS program. Wisconsin Statutes requires expenditures from Land Information Program funds to implement the goals and objectives of the County Land Information Plan. The Jefferson County Land Information Plan, developed in December of 2015 and adopted in March of 2016, does not include a UAS program. To maintain compliance with Land Information Program requirements, the Land Information Plan should be amended to include a UAS program. The Land Information Council recommended approval of the UAS program budget and amending the Land Information Plan on July 27, 2017. The Planning and Zoning Committee met on February 9, 2018, and recommended forwarding this resolution to the County Board for approval.

WHEREAS, the Executive Summary is incorporated into this resolution, and

WHEREAS, Unmanned Aircraft System collection and analysis of land information would benefit numerous county governmental operations, and

WHEREAS, funding for an Unmanned Aircraft System program was approved in the 2018 Land Information Program Budget, and

WHEREAS, Wisconsin Statute 59.72 (5) (b) 3. requires that Land Information Program funds are to be used to develop, implement and maintain the countywide plan for land records modernization.

NOW, THEREFORE, BE IT RESOLVED that the County Land Information Plan goals and objectives be amended to include development of an Unmanned Aircraft Systems Program.

*Fiscal Note: The non-tax levy Land Information Program funded by a portion of the document recording fees in the Register of Deed's Office accounts 12503.521220, 12503.521296 and 12503.594810 will fund the UAS expenditures at a cost not to exceed \$17,000.*

Ayes \_\_\_\_\_ Noes \_\_\_\_\_ Abstain \_\_\_\_\_ Absent \_\_\_\_\_ Vacant \_\_\_\_\_

Requested by Planning and Zoning Committee

03-13-18

Andy Erdman: 02-02-18; J. Blair Ward: 02-07-18

REVIEWED: Administrator \_\_\_\_\_; Corp. Counsel \_\_\_\_\_; Finance Director \_\_\_\_\_

**JEFFERSON COUNTY WILDLIFE DAMAGE PROGRAM  
2017 CLAIM SUMMARY**

<u>Name</u>	<u>Crop</u>	<u>Appraised Loss</u>	<u>Payable Loss</u>	<u>Species</u>	<u>Township</u>	<u>Abatement</u>
Angang, Tom	Soybeans	No Claim Filed		Geese	Concord	Pyro
Ingersoll, Bill	Sweet Corn	\$15,382.50	\$10,000.00	Deer	Concord	Permit
Linskens, Jim	Soybeans	No Claim Filed		Geese	Concord	Pyro, Permit
Runyard, Alan	Corn,beans	No Claim Filed		Deer	Ixonia	Shooting Permits
Schroeder, Rich..	Fresh Veg	Act 82-Shooting permit only		Deer	Oakland	Permit
Strasburg, David	Soybeans	No Claim Filed		Geese	Lake Mills	Pyro, Permit
Straus, Jim	Corn	No Claim Filed		Geese	Lake Milles	Pyro, permit
Zuehlke, Wayne	Corn,Alfafa	Act 82-Shooting permit only		Deer	Concord	Permit

<u>Year</u>	<u>Participants</u>	<u># of claims</u>	<u>Appraised Loss</u>	<u>Payable Loss</u>
2017	8	1	\$15,382.50	\$10,000.00
2016	9	1	\$1,090.86	\$590.86
2015	8	1	\$2,620.99	\$2,120.99
2014	7	0	\$0.00	\$0.00
2013	11	0	\$0.00	\$0.00
2012	9	1	\$933.91	\$433.91
2011	8	2	\$3,630.04	\$2,995.04
2010	11	0	\$0.00	\$0.00
2009	10	2	\$3,642.07	\$2,655.58
2008	12	1	\$2,823.79	\$2,563.79
2007	11	1	\$670.38	\$420.38
2006	9	4	\$4,114.85	\$3,167.18
2005	8	3	\$1,513.61	\$763.61
2004	9	5	\$2,851.23	\$1,693.72
2003	7	2	\$644.57	\$241.02
2002	13	3	\$1,607.87	\$616.83
2001	7	3	\$2,525.50	\$1,775.50

**Jefferson County Land & Water Conservation Department  
Authorizing Resolution for the 2018 Healthy Lakes Grant**

WHEREAS, the Jefferson County Land and Water Conservation Department (LWCD) is interested in obtaining a cost-share grant for \$1,000 from the Wisconsin Department of Natural Resources for the purpose of implementing Healthy Lakes practices on the shores of Rock Lake;

WHEREAS, the Jefferson County LWCD attests to the validity and veracity of the statements and representations contained in the grant application;

WHEREAS, a grant agreement is requested to carry out the project; and

NOW, THEREFORE, BE IT RESOLVED, that the Jefferson County LWCD will meet the financial obligations necessary to fully satisfactorily complete the project and hereby authorizes and empowers the following officials or employees to submit the following documents to the Wisconsin Department of Natural Resources for financial assistance that may be available:

Task	Title of Authorized Representative
Sign and submit a grant application	County Conservationist
Enter into a grant agreement with the DNR	County Conservationist
Submit quarterly and/or final reports to the DNR to satisfy the grant agreement, as appropriate	County Conservationist
Submit reimbursement request(s) to the DNR no later than the date specified in the grant agreement	County Conservationist

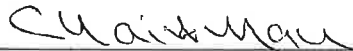
BE IT FURTHER RESOLVED that the Jefferson County LWCD will comply with all local, state and federal rules, regulations and ordinances relating to this project and the cost-share agreement.

Adopted on February 21, 2018.

I hereby certify that the foregoing resolution was duly adopted by the Jefferson County Land and Water Conservation Committee at a legal meeting held on February 21, 2018.

  
\_\_\_\_\_  
Authorized Signature

2-21-2018  
Date Certified

x   
\_\_\_\_\_  
Title

*Fiscal Impact:* LWCD staff time will be used to implement this project. No LWCD funds other than staff time will be used.

### Summary or Promoting Grazing to Agency Staff Project

The Promoting Grazing as a Sustainable Farming Method to Agency Staff in Wisconsin project will work at statewide and local levels for livestock farmers and grazing network participants to educate agency staff on effective ways to promote grazing to farmers and to develop county programs to do so.

Kirsten Jurcek will coordinate a spring workshop and four in-depth on-farm trainings throughout the first grazing season with agency staff in Southeast Wisconsin. The on-farm trainings will be held at Brattset Family Farm, N2437 Brattset Lane, Jefferson, WI. Participants will experience a season in grazing as summarized below:

- Spring Conference: **Promoting Grazing as a Sustainable Farming Method** 10:00 am – 2:30 pm March 20<sup>th</sup>, Juneau or March 21, Whitewater. Marathon and Sauk County LCD staff will discuss the success of their county grazing programs. Paul Dietmann will present financial data from grazing farmers showing profit across the state. DATCP and DNR funding sources for funding will be explained and a round table of dairy graziers will wrap up the day.
- May 16, 2018: On Farm Workshop 9:00 am – 11:30 am. Learning objectives include: nine steps of conservation planning; grazing plans; cost share for pasture facilities, paddock layout and design, waterline layout and design, stocking rates and pasture seeding and interseeding.
- June 19, 2018: On Farm Workshop 9:00 am – 11:30 am. Soil health specialist will demonstrate the NRCS rain fall simulator with soils from the farms pastures and surrounding fields to illustrate the enhanced soil health water holding capacity of well-managed pasture soils vs. crop fields.
- July 18, 2018: On Farm Workshop 9:00 am – 11:30 am. Learning objectives include: pasture grazing heights for increase drought resilience; pasture plant composition; and forage quality and quantity from pastures.
- September 26, 2018: On Farm Workshop 9:00 am – 11:30 am. Wrap up the grazing season and discuss how to leave pastures to rest for the winter.

Project participants will be surveyed at the end of the grazing season to determine which areas they need more formal education on or confidence in. A winter workshop will be held specific to the group's needs. Tools from the county resource binders will also be reviewed and the participants will be asked to work through the spread sheet calculations to practice mock farmer meeting presentations.

During the second grazing season, Kirsten Jurcek and willing partners will co-host a pasture walk for county committee and board members and the general public. These public education pasture walks will demonstrate the sustainability of grazing farms, the environmental benefits of grazing farms, and their contribution to the local community. Attendees will learn the importance of including grazing in their county conservation plans and the value of building a county grazing programs.

We welcome your participation in this project and thank our funder, the North Central Region Sustainable Agriculture Research and Education. For additional questions in Southeastern Wisconsin, please contact Kirsten Jurcek, Grazing Network Coordinator, Glacierland RC&D at (920) 342-9504 or [kjurcek1@centurytel.net](mailto:kjurcek1@centurytel.net).

## Agenda item #13 - 2017 Non-Metallic Mining Report

### 2017 Year End Financials:

Total Fees Rec's	minus DNR Fees	equals Department
\$13,580.00	\$2,275.00	= <u>\$11,305.00</u>

Total Financial Assurances Held ~\$1.5 million

- ◆ **Program is funded:** by annual permit fee collection with a goal in remaining county tax levy neutral. Fees are assessed on only those areas in the reclamation plan that have been, or are being, affected by mining activities and are not reclaimed.

- ◆ **Operator must establish Financial Assurance:** to allow reclamation if permittee is not able to do so. The monetary amount is an estimate of reclamation costs at any given time during the life of the mine.

### Permitting Summary for 2018

Mine Permit Size

by acre	#of Permits
1 to 5 acres	4
6 to 10 acres	6
11 to 15 acres	4
16 to 25 acres	3
26 to 50 acres	1
51 acres or larger	4
<b><u>Total</u></b>	<b><u>22</u></b>
<b>Inactive</b>	1
<b>Exempt</b>	6
<b>Revoked</b>	1

- ◆ **Require a reclamation permit:** for all sites with exception of sites meeting the conditions for an exemption.

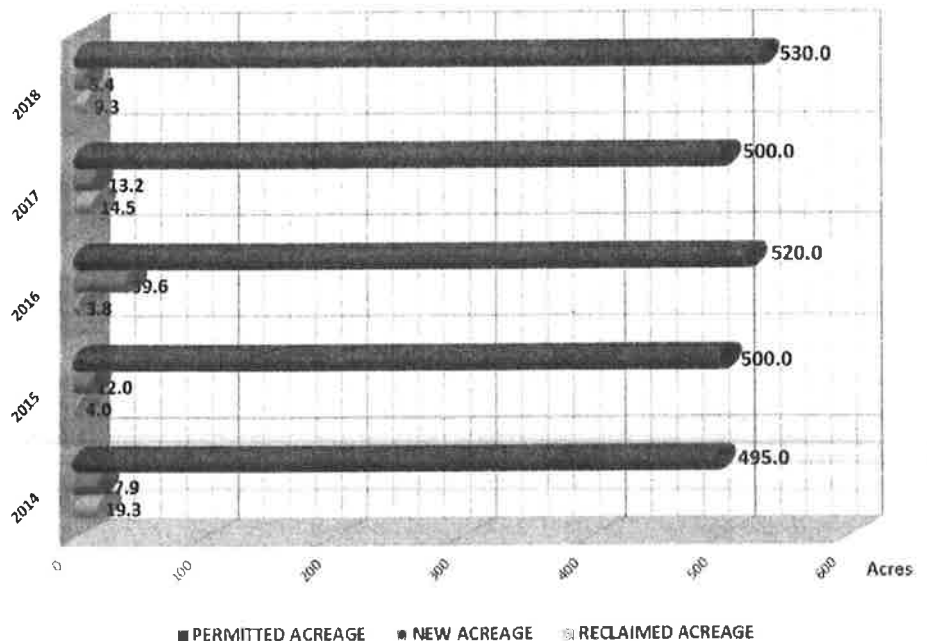
- ◆ **Permits based on a reclamation plan:** or "blue print" describing necessary steps to achieve a specified end land-use. To include but not limited to topsoil storage & final placement; slopes; and planned vegetation types.

- ◆ **Plan approval:** based on reclamation performance standards rather than a one size fits all prescriptive standards. Allows for variety of land-uses and cost containment when reclaiming the site.

### Operator Reported Activity on the Ground 2014 to Present

The graph shows to the right, a consistent over all exposed acreage from year to year with some fluctuations in new acres and those being fully reclaimed. What the graph doesn't show is the interim reclaimed acreage that is reported annually.

**Non-Metallic Mining Reclamation Activity 2014 - 2018**



**For post meeting questions or follow-up you may contact:**

Gerry Kokkonen

GIS/Land Use Specialist

LWCD, RM 113

920.674.7117

[geraldk@jeffersoncountywi.gov](mailto:geraldk@jeffersoncountywi.gov)



## 2018 Conference At-A-Glance

Wednesday, March 14

Thursday, March 15

Friday, March 16

Pre-Conference Activities (before 11am)			
8:00-11:00	Youth Speaking Contest		
9:30am-11:00am	WI Land+Water Board Meeting	6:30am-8:00am	Breakfast Buffet
9:30am-Noon	Silent Auction Item Drop-off	7:00am-6:00pm	Conference Registration Silent Auction/ Exhibits/ Poster Judging Open
9:30am-4:30pm	Conference Registration		
11:00-Noon	Lunch Buffet	8:00am-9:15am	Breakout Sessions
11:30-1:30pm	Welcome/Keynote Presentation/Winning Youth Speeches	9:15am-9:45am	Refreshment Break
1:30pm-7:00pm	Silent Auction/Exhibits/ Poster Judging Open	9:45am-11:00am	Breakout Sessions
1:45pm-2:45pm	Breakout Sessions	11am-12:45pm	Luncheon with LWCB Candidate Speeches
2:45pm-3:15pm	Refreshment Break	1:15pm-2:30pm	Breakout Sessions
3:15pm-4:15pm	Breakout Sessions	2:30pm-3:00pm	Refreshment Break
4:15pm-5:00pm	Area Assoc. Meetings	3:00pm-4:15pm	Breakout Sessions
5:00pm-7:00pm	Social	4:15pm-6:00pm	Social/Exhibits, 50/50 Raffle, End of Silent Auction, Poster Judging & LWCB Voting
<b>DINNER ON YOUR OWN</b>		6:00pm-8:15pm	Dinner Banquet & Awards
			6:30am-8:00am Breakfast Buffet
			7:00am-10:30am Conference Reg. Pick Up Auction Items
			8:00am-9:00am Breakout Sessions
			9:15am-10:15am Breakout Sessions
			10:15am-10:45am Refreshment Break
			Business Meeting Registration
			10:45am-11:45am Business Meeting Raffle Drawing
			<b>LUNCH ON YOUR OWN</b>

## 2018 WI Land+Water Annual Conference Registration Form

**Postmark/Electronic Timestamp Deadline: February 16, 2018**

*Please submit one form per each registrant (guests/spouses of registrant use the same form).*

Registrant Information	Conference Packages	Members
<b>Full Name:</b> <i>As you would like it on badge</i>	<b>Full Conference</b> <i>Includes all sessions, events, select meals, and breaks.</i>	\$285
<b>Guest/Spouse Full Name:</b> <i>If attending</i>	<b>Wednesday Only</b> <i>Includes all sessions, events, select meals, and breaks.</i>	\$115
<b>County:</b>	<b>Thursday Only</b> <i>Includes all sessions, events, select meals, and breaks.</i>	\$150
<b>Area Association:</b>	<b>Friday Only</b> <i>Includes all sessions, events, select meals, and breaks.</i>	\$105
<b>Affiliation/Organization:</b>	<b>Guest/Spouse Registration</b> <i>Includes all sessions, events, select meals, and breaks.</i>	\$105
<b>Billing Address:</b>	<b>Late Registration Fee</b> <i>For registrations Emailed, faxed or postmarked 02/17 to 03/03/2018.</i>	\$15
<b>City:</b>		
<b>State:</b>		
<b>Zip:</b>		
<b>Phone:</b>		
<b>Email:</b>	<b>Onsite Registration Fee</b> <i>For registrations on or after 03/03/2018. <b>DO NOT SEND TO WI Land+Water.</b></i>	20
<b>Dietary needs:</b> <i>If applicable</i>	<b>TOTAL FEES:</b> \$	

**Breakout Sessions – Please select one in each timeslot. Refer to conference website page for session descriptions.**

Time Slot	Session 1	Session 2	Session 3	Session 4	Session 5
<b>Wed 1:45-2:45</b>	Food, Land & Water (Part 1 of 2)	County Presentations (Walworth and Dane)	Rotational Grazing	Waste Management Standards Update	Roofs: Cost-sharing and Accepting Designs
<b>Wed 3:15-4:15</b>	Food, Land & Water (Part 2 of 2)	Expanding County Conservation Efforts with RCPP	Edge of Field Water Quality Projects	Connecting Landowners with Farm Operators	Groundwater Susceptibility Mapping
<b>Thurs 8:00-9:15</b>	AIS County Presentations	Grade Stabilization Structures	Effectively Engaging Your Audiences	Multi-Discharger Variance Update	Climate Change Adaptation Workbook
<b>Thurs 9:45-11:00</b>	Roller Crimping and Cover Crops	Nutrient Management in WI	Hand-on Conservation for the Classroom	Monitoring and Assessing Lakes and Watersheds	Vegetated Swale and Site Evaluation
<b>Thurs 1:15-2:30</b>	DNR Water Regulations	How Manure Application Timing Impacts Phosphorus Runoff	County Approaches to Addressing Groundwater	Strengthening the LCC/LCD Partnership	Native Prairie Buffer Strips
<b>Thurs 3:00-4:15</b>	Making Sense of LCD's Role in Trading and Adaptive Management	Conservation Farmer of the Year	Anaerobic Digestion: A Tool in the Toolbox	Evaluating Whether a Discharge is "Significant"	CCAs Collaborating with Land Conservation Staff
<b>Fri 8:00-9:00</b>	Groundwater Management in CNNF	How Frames Affect Perceptions of Watershed Issues	NR135 Nonmetallic Mining Reclamation Program Update	Drone Use in Conservation	
<b>Fri 9:15-10:15</b>	What Your Nose Doesn't Know: Air Monitoring for Your Safety	Manure Spreading Restrictions: Revisions to NR151	Amphibians and Reptiles of WI	Wetland and Waterway Program Updates	Water Quality Info Use and Responses to Extreme Storms

Please fax (608-441-2676), email ([kim@wisconsinlandwater.org](mailto:kim@wisconsinlandwater.org)), or mail [WI Land+Water, 131 W. Wilson St. #601 Madison, WI 53703] this registration form. If you have already registered electronically, there is no need to fill out this form. The invoice for your registration will be emailed to the appropriate individual or department after the February 16 registration deadline.

Extra fees apply to registrations emailed/faxed/postmarked after February 16, 2018 and for onsite registration. Registrations are transferrable at any time. Cancellations received on or before March 3, 2018 will be refunded minus a \$25 cancellation fee. Cancellations or no-shows at conference on or after March 4, 2018 will be liable for the entire conference fee. Due to covering pre-paid costs, there are ABSOLUTELY NO EXCEPTIONS to the fee/cancellation schedule.



## Land & Water Conservation Committee Meeting – Feb. 21, 2018 Agenda Items #18 & 19

**18.** Filed application materials for the Tim & Carol Hunn property at over 145 acres.

State allocation for 2018 partnering funds at \$270,000. NRCS received five (5) applications on State wide level, with the majority coming from the south central part of the state. Hunn's ranked out near the lower middle. The top ranking property is located in the Janesville area and will be offered the majority of the allocation.

Also went through a preliminary ranking with a land owner whose property ranked out rather high, but could not ensure continual access to farmland at current build layout.

**19.** Nothing to report on Baselines at this time.

Any post meeting questions or follow-up you may contact:

Gerry Kokkonen  
GIS/Land Use Specialist  
LWCD, RM 113  
920.674.7117  
[geraldk@jeffersoncountywi.gov](mailto:geraldk@jeffersoncountywi.gov)

# Jefferson County CSP Sign up

## NEW CSP!

With the Rollout of the revamped Conservation Stewardship Program (CSP) in 2017 Jefferson County saw an increased percentage of applicants receive funding.



The new CSP is based on a five year contract providing Financial Incentives to producers for the conservation already being implementing on their operation and encouraging them to adopt 1 or more additional conservation activities on their operation. All land that is under control of the operation for 5 years will be enrolled; this includes all owned land and any land that the producer can get a control of land form signed by the owner of the property.

With CSP we look at all land uses on an operation (cropland, farmstead, associated ag, pasture and forest). Each land use has the possibility to draw a 'Base Payment' if the producer is willing to adopt a practice on that land use.

### How is my Base Payment Calculated?

$$(A \times B) + (C \times D) = \text{Base Payment}$$

A- Number of Resource Concerns met at time of Application

B- Standard \$350 rate for each Resource Concern

C- Acres in the land use

D- Land Use Payment Rate (Crop & Farmstead= \$7.50; Pasture= \$3.00; Forest & Associate Agland= \$0.50)

\*\*\*Calculate Base Payment for each eligible land use and add together to get yearly base payment that will be paid for 5 years.

Example: 500 acres Cropland, 15 acres Farmstead, 25 acres Associated Ag

Cropland:  $(5 \times \$350) + (500 \text{ acres} \times \$7.50) = \$5,500.00$

Farmstead:  $(4 \times \$350) + (15 \text{ acres} \times \$7.50) = \$1,512.50$

Associated Ag:  $(7 \times \$350) + (25 \text{ acres} \times \$0.50) = \$2,462.50$

### Some Practice Options

- ◆ Cover Crop
- ◆ Tree/Shrub Planting
- ◆ Field Borders
- ◆ Leave Standing Grain for Winter Food Plot
- ◆ Secondary Containment of Fuel
- ◆ No Till & Reduced Till
- ◆ Upland Wildlife Management
- ◆ Pasture Planting
- ◆ Filter Strip
- ◆ Pollinator Planting (minimum 0.1 acres)

### What to do next...

Call, email or stop in

Kathy.turner@wi.usda.gov

920-605-3155



United States Department of Agriculture

Natural Resources Conservation Service

# Wisconsin

## Cover Crops

### Overview

A cover crop is grasses, legumes, forbs or other herbaceous plants that are established for seasonal cover and conservation purposes.

Cover crops are planted in the late summer or fall around harvest and before spring planting of the following year's crops. Common cover crops used in Wisconsin include winter hardy plants such as barley, rye and wheat. Other less common, but also effective cover crops include oats, spring wheat, hairy vetch, red clover, turnips, canola, radishes, and triticale.

### Purpose

This practice may be used to reduce wind or water erosion by establishing cover after a minimal residue crop, to use up excess nutrients in the soil profile, for weed suppression, to provide nutrient for the next crop, to increase carbon sequestration and improve soil structure. Cover crops may be used on all lands needing vegetative cover for natural resource protection and improvement. They are an excellent tool for helping to improve soil health.

### Cover Crop Benefits

- Reduce Soil Erosion
- Improve Soil Health
- Increase Soil Porosity and Infiltration
- Weed Fighter
- Improve Soil Microbiology
- Produce/Scavenge Crop Nutrients
- Reduce Soil Compaction
- Improve Nutrient Cycling
- Improve Soil Organic Matter
- Protect Water Quality
- Protect the Environment
- Enhance Wildlife Habitat

### Planting Tips

Cover crops can be seeded with drills, broadcast equipment, or aerially applied to get the cover crop started early enough to achieve the desired results. Cover crops are ideal for planting after early harvested crops such as wheat, sweet corn, seed corn, peas or other vegetables, and silage corn.

### Selecting Cover Crops

To get the maximum benefit from cover crops, they need to become an integral part of your cropping system. Whether you grow just corn and soybeans or you have a more diverse rotation that includes wheat or vegetable crops, livestock and manure, there are opportunities to include cover crops in your production system. When you select a cover crop, make sure it provides benefits that meet your farming objectives.



### Additional Information

For more information about cover crops such as cover species, seeding dates and seeding method, visit your local USDA service center, or visit the Wisconsin NRCS website at [www.wi.nrcs.usda.gov/topics/technical resources](http://www.wi.nrcs.usda.gov/topics/technical%20resources)

### References

"Risk Management Fact Sheet—Cover Crops"

<http://www.rma.usda.gov/pubs/rme/fctsht.html>

Wisconsin NRCS Practice Standard 340 Cover Crops

Wisconsin Agronomy Technical Note 7, Cover and Green Manure Crops Benefits to Soil Quality

NRCS Cover Crop Termination Guidelines

RMA cover crop fact sheet

<http://www.rma.usda.gov/pubs/rme/fctsht.html>

RMA 2014 crop policies and insurance:

<http://www.rma.usda.gov/policies/2014policy.html>



Mixing cover crops, like rye, clover, and vetch, combine the weed control benefits of grasses with the nitrogen production of legumes.