



Bibliography



Photo of intermediate wheatgrass field, from The Land Institute, Salina, KS

Agroforestry

Agroforestry. University of Minnesota | Extension.
<http://www.extension.umn.edu/environment/agroforestry/>

AFTA | Association for Temperate Agroforestry. <http://www.aftaweb.org/>

The Center for Agroforestry at the University of Missouri. Available at
<http://www.centerforagroforestry.org/practices/> (verified 29 June 2015).

Climate Risk Adaptation by Smallholder Farmers: The Roles of Trees and Agroforestry. Lasco, R.D., R.J.P. Delfino, D.C. Catacutan, E.S. Simelton, and D.M. Wilson. 2014. *Curr. Opin. Environ. Sustain.* 6: 83–88
<http://www.sciencedirect.com/science/article/pii/S1877343513001619>

Cold Hardiness Ratings for Selected Woody Plants. The United States National Arboretum.
<http://www.usna.usda.gov/Hardzone/hrdzon4.html>

Conservation Buffers. National Agroforestry Center.
<http://nac.unl.edu/buffers/index.html>

Economic and Environmental Costs and Benefits of Living Snow Fences: Safety, Mobility, and Transportation Authority Benefits, Farmer Costs, and Carbon Impacts. February 2012. Gary Wyatt, University of Minnesota Extension; Minnesota Department of Transportation Research Services.
www.lrrb.org/media/reports/201203.pdf

Great Plains Windbreak Renovation and Innovation Conference. National Agroforestry Center.

http://nac.unl.edu/multimedia/conferences/Great_Plains/windbreakrenovation20120724.htm

Growing Fruit in the Upper Midwest. University of Minnesota Press.
<http://www.upress.umn.edu/book-division/books/growing-fruit-in-the-upper-midwest>

Living Snow Fences: Functions and Benefits. University of Minnesota | Extension.
<http://www.extension.umn.edu/environment/agroforestry/components/UMN-Extension-LivingSnowFences.pdf>

Minnesota Hardy. University of Minnesota | Extension.
<http://www.extension.umn.edu/garden/yard-garden/landscaping/minnesota-hardy/#look>

Plant Hardiness Zone Map. USDA.
<http://planthardiness.ars.usda.gov/PHZMWeb/>

Publications. Iowa State University Extension and Outreach.
<https://store.extension.iastate.edu/ProductList?Keyword=windbreaks>

Publications. National Agroforestry Center.
<http://nac.unl.edu/publications/index.htm>

Silvopasture Course. National Agroforestry Center.
<http://www.silvopasture.org/about.html>

Training manual for Applied Agroforestry Practices – 2013 Edition. The Center for Agroforestry at the University of Missouri.
<http://www.centerforagroforestry.org/pubs/training/>

Biomass

Bioenergy and Sustainable Agriculture: Perennial Biomass Crops for Multiple Benefits. Proceedings of a conference in Decatur, IL; Nov. 2014.
<http://greenlandsbluewaters.net/2014-conference>

Bioenergy Landscapes for Water Quality and Greenhouse Gas Reduction. November 2014. M. Cristina Negri*, Herbert Ssegane and Patty Campbell. Energy Systems Division, U.S. Department of Energy.

http://misadocuments.info/Cristina_Negri_Argonne_2014.pdf

Harvest and Supply of Native Grass for Bioenergy. 2014. Tom Canam, Eastern Illinois University.

http://greenlandsbluewaters.net/Tom_Canam_Native_Grass_Bioenergy_2014.pdf

Multi-fuel Biomass Boilers are Key to Midwestern Biomass Markets. 2014. Eric Rund, Green Flame Energy.

http://greenlandsbluewaters.net/Eric_Rund_GreenFlameEnergy_2014.pdf

Processing Methods to Improve the Feed Value of Perennial Grasses. 2014. Michael Cecava, Director of Feed Technology Research, Archer Daniels Midland Company.

http://greenlandsbluewaters.net/Mike_Cecava_ADM_2014.pdf

Cover Crop Selection

Cover Crop Chart. USDA-ARS Northern Great Plains Research Laboratory, Mandan, ND.

<http://www.ars.usda.gov/main/docs.htm?docid=20323>

Cover Crop Field Guide, pocket-sized printed booklet. 2012. The Midwest Cover Crop Council and Purdue University; available for \$5 per copy:

<https://ag.purdue.edu/agry/dtc/Pages/CCFG.aspx>

Cover Crop Selection Guide. Yahara Pride Farms Available at

<http://www.yaharapridefarms.org/cover-crop-selection-guide/> (verified 21 July 2015).

Cover crops and cattle | Cattle Network. Available at

<http://www.cattlenetwork.com/advice-and-tips/cowcalf-producer/cover-crops-and-cattle> (verified 21 July 2015).

Midwest Cover Crop Council's Cover Crop Selector Tool.

<http://mcccdev.anr.msu.edu/VertIndex.php>

Midwest Cover Crop Council Crop Descriptions. Midwest Cover Crops Council.

<http://www.mccc.msu.edu/CCinfo/cropbycrop.html>

Multicriteria decision analysis applied to cover crop species and cultivars selection.

Ramírez-García, J., J.M. Carrillo, M. Ruiz, M. Alonso-Ayuso, and M. Quemada. 2015. *Field Crops Res.* 175: 106–115 Available at <http://www.sciencedirect.com/science/article/pii/S0378429015000507> (verified 21 July 2015).

SmartMix Calculator.

<https://greencoverseed.com/>

State-by-State Decision Tools. Midwest Cover Crop Council.

<http://www.mccc.msu.edu/selectorINTRO.html>

2013 Iowa Farm Custom Rate Survey. March 2013. William Edwards, Ann Johanns, and Andy Chamra. In *Ag Decision Maker*, Iowa State University Extension and Outreach.

<http://www.extension.iastate.edu/agdm/crops/pdf/a3-10.pdf>

2012-2013 Cover Crop Survey. June 2013. Steve Werblow and Chad Watts. Conservation Technology Information Center (CTIC) and North Central Region SARE.

<http://www.ctic.org/media/pdf/Cover%20Crops/SARE-CTIC%20Cover%20Crop%20Survey%202013.pdf>

Cover Crop Termination

Crop Insurance, Cover Crops and NRCS Cover Crop Termination Guidelines FAQs

<http://www.rma.usda.gov/help/faq/covercrops2014.html>

Cover Crops – Iowa, Minnesota, and Wisconsin. January 2014. Risk Management Agency Fact Sheet.

http://www.rma.usda.gov/fields/mn_rso/2014/covercrops.pdf

Follow the rules for killing a cover crop. Available at <http://farmprogress.com/story-follow-rules-killing-cover-crop-9-125660> (verified 21 July 2015).

NRCS Cover Crop Termination Guidelines: Non-irrigated Cropland. June 2013.

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1167871.pdf

NRCS Cover Crop Termination Guidelines: Non-irrigated Cropland. December 2013.

<http://efotg.sc.egov.usda.gov/references/public/MN/340TerminationGuideline.pdf>

Revised Cover Crop Termination Guidelines. NRCS eDirectives - NB 450-15-1 TCH

– Available at <http://directives.sc.egov.usda.gov/ViewerFS.aspx?hid=36436>

(verified 30 July 2015)

Cover Crops

Aerial Seeding Cover Crops. 2012. Allamakee Soil & Water Conservation District.
<http://allamakeeswcd.org/aerial-seeding-cover-crops/>

Building Soil Fertility. In: *Managing Cover Crops Profitably*. 2007. Marianne Santiano. Sustainable Agriculture Research and Education (SARE), USDA.
<http://www.sare.org/Learning-Center/Books/Managing-Cover-Crops-Profitably-3rd-Edition/Text-Version/Building-Soil-Fertility>

Cover Crop Chart. Northern Great Plains Research Laboratory : Available at
<http://www.ars.usda.gov/Services/docs.htm?docid=20323> (verified 21 July 2015).

Cover Crop Topic Room / Learning Center / SARE. Available at
<http://www.sare.org/Learning-Center/Topic-Rooms/Cover-Crops> (verified 21 July 2015).

Cover crops and cattle | Cattle Network. Available at
<http://www.cattlenetwork.com/advice-and-tips/cowcalf-producer/cover-crops-and-cattle> (verified 21 July 2015).

Cover Crops Resource Websites, Publications and Contact People. Green Lands Blue Waters.
<http://greenlandsbluewaters.net/strategies/cover-crops>

Drainage Water Quality Impacts of Current and Future Agricultural Management Practices. Leopold Center for Sustainable Agriculture Competitive Grant Report XP2011-14.
<http://www.leopold.iastate.edu/sites/default/files/grants/XP2011-04.pdf>

Effectiveness of Oat and Rye Cover Crops in Reducing Nitrate Losses in Drainage Water. 2012. T.C. Kaspar, D.B. Jaynes, T.B. Parkin, T.B. Moorman, J.W. Singer.
Agricultural Water Management 110:25–33.
<http://naldc.nal.usda.gov/naldc/download.xhtml?id=54466&content=PDF>

Integrating Cover Crops in Soybean Rotations: Challenges and Recommendations for the North Central Region. 2015. Midwest Cover Crops Council.
www.mccc.msu.edu/documents/2015Integrating_CoverCrops_Soybeans.pdf

MCCC: Cover Crop Information. Available at <http://www.mccc.msu.edu/publications.html> (verified 21 July 2015).

Managing Cover Crops Profitably, 3rd Edition. [http://www.sare.org/Learning-Center/Books/Managing-Cover-Crops-Profitably-3rd- Edition](http://www.sare.org/Learning-Center/Books/Managing-Cover-Crops-Profitably-3rd-Edition)

Rye Cover Crop and Gamagrass Strip Effects on NO₃ Concentrations and Load in Tile Drainage. 2007. T.C. Kaspar, D.B. Jaynes, T.B. Parkin, T.B. Moorman. *Journal of Environmental Quality* 36(5):1503-11
<https://dl.sciencesocieties.org/publications/jeq/abstracts/36/5/1503>

Short Cover Crops Put Down Deep Roots. Plant Cover Crops.
<http://plantcovercrops.com/short-cover-crops-put-down-deep-roots/>

Using Cover Crops and Cropping Systems for Nitrogen Management. Chapter 9 in *Advances in Nitrogen Management for Water Quality*. Edited by Jorge A. Delgado and Ronald F. Follett. 2010, 424 pages, hardcover. Soil and Water Conservation Society. ISBN 978-0-9769432-0-4
[http://www.swcs.org/documents/filelibrary/advances in nitrogen management for water quality/ANM9_A41356AAD3B6A.pdf](http://www.swcs.org/documents/filelibrary/advances_in_nitrogen_management_for_water_quality/ANM9_A41356AAD3B6A.pdf)

Winter Cover Crops. Chapter 13 in *Organic Risk Management*, Kristine Moncada and Craig Sheaffer.
http://www.organicriskmanagement.umn.edu/winter_cover13.html

2014-2015 Annual Report: Cover Crop Survey. 2015. Steve Werblow. Conservation Technology Information Center, Sustainable Agriculture Research and Education Program, and American Seed Trade Association. <http://www.sare.org/Learning-Center/From-the-Field/North-Central-SARE-From-the-Field/2015-Cover-Crop-Survey-Analysis>

Erosion

Daily Estimates of Rainfall, Water Runoff, and Soil Erosion in Iowa. 2006. R. Cruse, D. Flanagan, J. Frankenberger, B. Gelder, D. Herzmann, D. James, W. Krajewski, M. Kraszewski, J. Laflen, J. Opsomer, and D. Todey. *Journal of Soil and Water Conservation*. 61(4):191-199.
<http://www.jswconline.org/content/61/4/191.short>

Grassed waterways can help maintain soil quality and productivity. Staton, M.

2015. MSU Ext. Available at http://msue.anr.msu.edu/news/grassed_waterways_can_help_maintain_soil_quality_and_productivity (verified 21 July 2015).

Impact of Conservation Practices on Soil Erosion in Iowa's Loess Hills. Iowa Learning Farm. [https://www.extension.iastate.edu/NR/rdonlyres/26DC3619-5E13-4992-9F38-C104F60E6DBE/135600/Conservation Practices on Soil Erosion Loess Hills.pdf](https://www.extension.iastate.edu/NR/rdonlyres/26DC3619-5E13-4992-9F38-C104F60E6DBE/135600/Conservation_Practices_on_Soil_Erosion_Loess_Hills.pdf)

Impacts of Integrated Crop-Livestock Systems on Nitrogen Dynamics and Soil Erosion in Western Iowa Watersheds. 2005. Burkart, M., D. James, M. Liebman, and C. Herndl. *Journal of Geophysical Research.*, 110, G01009, doi:10.1029/2004JG000008. <http://onlinelibrary.wiley.com/doi/10.1029/2004JG000008/full>

Iowa Daily Erosion Project. Department of Agronomy. Iowa State University. <http://wepp.mesonet.agron.iastate.edu/GIS/erosion.phtml>

Rethink tolerable soil loss on your corn, soybean fields. Ruen, J. 2015. Corn Soybean Dig. Available at <http://cornandsoybeandigest.com/tillage/rethink-tolerable-soil-loss-your-corn-soybean-fields> (verified 21 July 2015).

Sensitivity of the US Corn Belt to Climate Change and Elevated CO₂: II. Soil Erosion and Organic Carbon. 1996. Jeffrey J. Lee, Donald L. Phillips, Rusty F. Dodson. *Agricultural Systems* Volume 52, Issue 4, December 1996, Pages 503–521. <http://www.sciencedirect.com/science/article/pii/S0308521X96000157>

Soil Erosion: A Food and Environmental Threat. Pimentel, D. 2006. *Environ. Dev. Sustain.* 8(1): 119–137 Available at <http://link.springer.com.ezp3.lib.umn.edu/article/10.1007/s10668-005-1262-8> (verified 10 July 2015).

Soil Erosion – About the Data. Natural Resources Conservation Service, NRCS. <http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/technical/nra/nri/?cid=stelprdb1041925>

Summary Report: 2010 National Resources Inventory. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1167354.pdf

EQIP

Conservation Practices | NRCS. Available at http://www.nrcs.usda.gov/wps/portal/nrcs/detailfull/national/technical/references/?cid=nr_cs143_026849 (verified 16 June 2015).

Environmental Quality Incentives Program | NRCS. Available at <http://www.nrcs.usda.gov/wps/portal/nrcs/main/national/programs/financial/eqip/> (verified 29 July 2015).

EQIP - General Contracting Guidance Document - FY 2015 (MN)

Field Office Technical Guide (FOTG) | NRCS. Available at <http://www.nrcs.usda.gov/wps/portal/nrcs/main/national/technical/fotg/> (verified 16 June 2015).

FY2015 Payment Scenario Descriptions for Planners - Illinois

Iowa Environmental Quality Incentives Program (EQIP) List of Eligible Practices and Payment Schedule FY2015

MO 2015 EQIP Environmental Quality Incentives Program Policy

A Seat at the Table for Conservation Policy - State Technical committees and Local Work Groups. United States Department of Agriculture Natural Resource Conservation Service. 2006. Available at http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs141p2_018303.pdf (verified 15 July 2015).

WI EQIP FY15 Cost List

Grass-Fed Beef

National Monthly Grass Fed Beef Report. Agricultural Marketing Service (USDA-AMS) report on grass-fed beef prices. http://www.ams.usda.gov/mnreports/nw_ls110.txt

Tallgrass Beef

<http://www.tallgrassbeef.com/>

Thousand Hills Cattle Company (source cattle in IA, MN, and WI)

<http://www.thousandhillscattleco.com/>

Wisconsin Grass-Fed Beef Cooperative

<http://wisconsingrassfed.coop/>

Grassed Waterways

Design of Grassed Waterways: Illinois Drainage Guide. University of Illinois, Urbana-Champaign.

<http://www.wq.uiuc.edu/dg/grass.htm>

Grassed Waterway: Iowa Fact Sheet. Natural Resources Conservation Service, USDA.

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_007306.pdf

Grassed Waterways. Conservation Practices: Minnesota Conservation Funding Guide.

<http://www.mda.state.mn.us/protecting/conservation/practices/waterway.aspx>

Grazing

Additional contract grazing information:

http://greenlandsbluewater.net/Perennial_Forage/contract.html

Basics of Contract Grazing, The.

http://greenlandsbluewater.net/Perennial_Forage/CG_Basics_final_0313.pdf

Can Better Grazing Help Dairy Farmers Cope With Drought and Climate Change?

Roth, A. Civ. Eats Available at <http://civileats.com/2015/06/08/can-better-grazing-help-californias-dairy-farmers-brace-for-drought/> (verified 21 July 2015).

Cover crops and cattle | Cattle Network. Available at

<http://www.cattlenetwork.com/advice-and-tips/cowcalf-producer/cover-crops-and-cattle> (verified 21 July 2015).

Evaluating Land Suitability for Grazing Cattle.

http://greenlandsbluewater.net/Perennial_Forage/CG_Evaluating%20Land_final_0

[313.pdf](#) GrassWorks Grazing Networks (Wisconsin)

<http://grassworks.org/?110500>

Grazing information and support from Iowa Beef Center

<http://www.iowabeefcenter.org/news/grazingevents2014.html>

Greenhorn Grazing, Iowa Beef Center

<http://www.iowabeefcenter.org/events/GHgrazingflyer2014.pdf>

Keep Cattle in Minnesota. Sustainable Farming Association of MN

<http://www.sfa-mn.org/keep-cattle-in-minnesota/>

Livestock Program, Practical Farmers of Iowa

<http://practicalfarmers.org/member-priorities/livestock/>

Midwest Perennial Forage Working Group:

http://greenlandsbluewaters.net/Perennial_Forage/resources.html

MN Grazing Lands Conservation Association

<http://www.mnglca.org/>

Pasture Rental and Lease Agreements

http://greenlandsbluewaters.net/Perennial_Forage/CG_ContractLeases_final_0313.pdf

Rates Charged for Contract Grazing Agreements

http://greenlandsbluewaters.net/Perennial_Forage/CG_Rates_final_0313.pdf

Sustainable Grazing, Better Beef | NRDC. Nat. Resour. Def. Council. Available at

<http://www.nrdc.org/food/better-beef-production/grazing-operations.asp> (verified 21 July 2015).

Well-Managed Grazing Systems: a Forgotten Hero of Conservation. 2012. Alan J.

Franzluebbers, Laura K. Paine, Jonathan R. Winsten, Margaret Krome, Matt A.

Sanderson, Kevin Ogles, and Dennis Thompson. *Journal of Soil and Water Conservation* 67(4):100A-104A.

<http://www.jswconline.org/content/67/4/100A.full.pdf+html>

Wisconsin School for Beginning Dairy Farmers

<http://www.cias.wisc.edu/dairysch.html>

Habitat

Connecting Landscape Fragments Through Riparian Zones. 2012. Bentrup, G., M. Dosskey, G. Wells, and M. Schoeneberger. *Forest Landscape Restoration*. 15:93-109. link.springer.com/chapter/10.1007/978-94-007-5326-6_5

Conservation Corridor Planning at the Landscape Level: Managing For Wildlife Habitat. August 1999. PI: Craig W. Johnson; Research Assistants Gary Bentrup, Dick RoI. USDA-NRCS. USDA Part 614.4; National Biology Handbook. <http://practicalconservation.org/corridors-buffer-manuals/>

Pollinator Conservation Fact Sheets. The Xerces Society for Invertebrate Conservation. <http://www.xerces.org/fact-sheets/>

NRCS Documents for Pollinator Conservation and Enhancement. Natural Resources Conservation Service. <https://plants.usda.gov/pollinators/NRCSdocuments.html>

Winter Habitat for Ring-Necked Pheasants. University of Minnesota | Extension. <http://www.extension.umn.edu/environment/agroforestry/docs/winter-habitat-for-pheasants-2012.pdf>

Hypoxia

Drainage Water Quality Impacts of Current and Future Agricultural Management Practices. Leopold Center for Sustainable Agriculture Competitive Grant Report XP2011-14. <http://www.leopold.iastate.edu/sites/default/files/grants/XP2011-04.pdf>

2014 Forecast: Summer Hypoxic Zone Size, Northern Gulf of Mexico. June 2014. Nancy N. Rabalais (LUMCON, nrabalais@lumcon.edu) and R. Eugene Turner (LSU, euturne@lsu.edu). <http://www.gulfhypoxia.net/Research/Shelfwide%20Cruises/2014/HypoxiaForecast2014.pdf>

Land & Landscape Management

Chippewa 10% Project: Making Needed Ecosystem Services Pay in an Agricultural Watershed

http://greenlandsbluewaters.net/Presentations_2013conf/Chippewa10_2013.pdf

Impacts of integrated crop-livestock systems on nitrogen dynamics and soil erosion in western Iowa watersheds. 2005. Burkart, M., D. James, M. Liebman, and C. Herndl. *J. Geophys. Res.*, 110, G01009, doi:10.1029/2004JG000008.

Interim Final Benefit-Cost Analysis for the Environmental Quality Incentives Program (EQIP). January 2009. USDA Natural Resources Conservation Service. www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs143_007977.pdf

Multifunctional Agriculture in the United States. 2005. George Boody, Bruce Vondracek, David A. Andow, Mara Krinke, John Westra, Julie Zimmerman and Patrick Welle. *BioScience* 55 (1): 27-38.
<http://bioscience.oxfordjournals.org/content/55/1/27.full>

Multiple Benefits of Agriculture Initiative. Land Stewardship Project.
<http://landstewardshipproject.org/about/libraryresources/scienceandresearch/benefitsofag/multiplebenefitspeerreviewedpapers>

Summary of Functional Benefits of Native Plants in Designed and Natural Landscapes. Brendan Dougherty and Dan Shaw. Board of Soil and Water Resources, State of Minnesota.
http://www.bwsr.state.mn.us/native_vegetation/Plant_Function_Resources.pdf

Targeting Perennial Vegetation in Agricultural Landscapes for Enhancing Ecosystem Services. Asbjornsen, H., V. Hernandez-Santana, M. Liebman, J. Bayala, J. Chen, M. Helmers, C.K. Ong and L.A. Schulte. 2013 *Renewable Agriculture and Food Systems* 29(02):101-125.
<http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=9239886&fileId=S1742170512000385>

Using Biodiversity to Link Agricultural Productivity with Environmental Quality: Results From Three Field Experiments in Iowa. 2013. Liebman, Matt ; Helmers, Matthew J. ; Schulte, Lisa A. ; Chase, Craig A. *Renewable Agriculture and Food Systems*. Vol.28(2), p.115(14)

Leadership

Farmer-Led Conservation. Farmer-led councils in St. Croix River watershed.
http://greenlandsbluewaters.net/Presentations_2013conf/Julia_Olmstead_2013.pdf

Meet the Cover Crop Champions. National Wildlife Federation.
<http://blog.nwf.org/2014/05/meet-the-cover-crop-champions/>

Southwest Badger Managed Grazing Program
<http://www.swbadger.org/managedgrazing.html>

Livestock

Decision Tools and Software. Wisconsin Beef Information Center.
<http://fyi.uwex.edu/wbic/decision-tools-and-software/>

Heat Stress In Feedlot Cattle: Producer Survey Results. A.S. Leaflet R1348. Darrell Busby and Dan Loy.
<http://www.iowabeefcenter.org/Cattlemen'sConference/heat%20stress%20study.pdf>

Illinois Livestock Trail
<http://livestocktrail.illinois.edu/>

Iowa Beef Center
<http://www.iowabeefcenter.org/>

Livestock Enterprise Budgets for Iowa. Iowa State University Extension and Outreach. <http://www.extension.iastate.edu/agdm/livestock/html/b1-21.html>

University of Minnesota Extension Beef Team
<http://www.extension.umn.edu/agriculture/beef/>

University of Minnesota Extension Dairy Team
<http://www.extension.umn.edu/agriculture/dairy/>

University of Wisconsin Extension Dairy Team
<http://www.uwex.edu/ces/ag/teams/dairy/>

Wisconsin Beef Information Center
<http://fyi.uwex.edu/wbic/>

Nutrient Loss

Cost of Soil Erosion, The. 2013. Iowa Learning Farms.

http://www.extension.iastate.edu/ilf/sites/www.extension.iastate.edu/files/ilf/Cost_of_Eroded_Soil.pdf

Erosion Estimated to Cost Iowa \$1 Billion in Yield. The Des Moines Register.

<http://www.desmoinesregister.com/story/money/agriculture/2014/05/03/erosion-estimated-cost-iowa-billion-yield/8682651/>

Drainage Water Quality Impacts of Current and Future Agricultural Management Practices. Leopold Center for Sustainable Agriculture Competitive Grant Report XP2011-14. <http://www.leopold.iastate.edu/sites/default/files/grants/XP2011-04.pdf>

Effectiveness of Oat and Rye Cover Crops in Reducing Nitrate Losses in Drainage Water. 2012. T.C. Kaspar, D.B. Jaynes, T.B. Parkin, T.B. Moorman, J.W. Singer. *Agricultural Water Management* 110:25–33.

<http://naldc.nal.usda.gov/naldc/download.xhtml?id=54466&content=PDF>

Rye Cover Crop and Gamagrass Strip Effects on NO₃ Concentrations and Load in Tile Drainage. 2007. T.C. Kaspar, D.B. Jaynes, T.B. Parkin, T.B. Moorman. *Journal of Environmental Quality* 36(5):1503-11

<https://dl.sciencesocieties.org/publications/jeq/abstracts/36/5/1503>

Sources of Nitrate Yields in the Mississippi River Basin. 2010. Mark B. David, Laurie E. Drinkwater and Greg F. McIsaac. *Journal of Environmental Quality*. 39(5):1657-67.

Perennial Forage in the Crop Rotation

Agronomic and environmental impacts of pasture–crop rotations in temperate North and South America. Franzluebbers, A.J., J. Sawchik, and M.A. Taboada. 2014. *Agric. Ecosyst. Environ.* 190: 18–26 Available at <http://www.sciencedirect.com/science/article/pii/S0167880913003265> (verified 21 July 2015).

Energy and Economic Returns by Crop Rotation. September 2012. Ann M. Johanns, Craig Chase, and Matt Liebmann. Iowa State University Extension. www.extension.iastate.edu/agdm/crops/html/a1-90.html

Frequently Asked Questions about Cropping System Diversity and Profitability

<http://www.leopold.iastate.edu/faq-cropping-system-diversity-profitability>

Impacts of Integrated Crop-Livestock Systems on Nitrogen Dynamics and Soil Erosion in Western Iowa Watersheds. 2005. Burkart, M., D. James, M. Liebman, and C. Herndl. *Journal of Geophysical Research.*, 110, G01009, doi:10.1029/2004JG000008.

<http://onlinelibrary.wiley.com/doi/10.1029/2004JG000008/full>

Increasing Cropping System Diversity Balances Productivity, Profitability and Environmental Health. 2012. Adam S. Davis, Jason D. Hill, Craig A. Chase, Ann M. Johanns, Matt Liebman. *PLoS ONE* 7(10): e47149.

doi:10.1371/journal.pone.0047149

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0047149#pone-0047149-g003>

Integrated crop–livestock systems: Strategies to achieve synergy between agricultural production and environmental quality. Lemaire, G., A. Franzluebbers, P.C. de F. Carvalho, and B. Dedieu. 2014. *Agric. Ecosyst. Environ.* 190: 4–8 Available at <http://www.sciencedirect.com/science/article/pii/S0167880913002697> (verified 21 July 2015).

at <http://www.sciencedirect.com/science/article/pii/S0167880913002697> (verified 21 July 2015).

Long Term Effects of Crop Management: Profitability. Results from the VICMS study at the Southwest Research and Outreach Center in Lamberton,

Minnesota http://swroc.cfans.umn.edu/prod/groups/cfans/@pub/@cfans/@swroc/documents/asset/cfans_asset_236361.pdf

Long-Term Effects of Crop Management: Soil Quality

http://swroc.cfans.umn.edu/prod/groups/cfans/@pub/@cfans/@swroc/documents/asset/cfans_asset_236360.pdf

Long Term Effects of Crop Management: Yield. Results from the VICMS study at the Southwest Research and Outreach Center, Lamberton, Minnesota.

http://swroc.cfans.umn.edu/prod/groups/cfans/@pub/@cfans/@swroc/documents/asset/cfans_asset_236359.pdf

Targeting perennial vegetation in agricultural landscapes for enhancing ecosystem services. Asbjornsen, H., V. Hernandez-Santana, M. Liebman, J. Bayala, J. Chen, M. Helmers, C. k. Ong, and L. a. Schulte. 2014. *Renew. Agric. Food Syst.* 29(02): 101–125 Available at http://journals.cambridge.org/article_S1742170512000385 (verified 21 July 2015).

at http://journals.cambridge.org/article_S1742170512000385 (verified 21 July 2015).

Using Legumes as a Nitrogen Source. June 1997. L.G. Bundy, K.A. Kelling and L. Ward Good. University of Wisconsin Extension, publication #A3517.

<http://ipcm.wisc.edu/download/pubsNM/Usinglegumes.pdf>

3rd Crop Initiative. Rural Advantage. <http://ruraladvantage.org/programs/third-crops/>

Prairie STRIPS

A Landowner's Guide to Prairie Conservation Strips. The Leopold Center for Sustainable Agriculture, Iowa State University.
www.leopold.iastate.edu/sites/default/files/pubs-and-papers/2013-08-landowners-guide-prairie-conservation-strips.pdf

Cost of Prairie Conservation Strips, The.
<http://www.leopold.iastate.edu/sites/default/files/pubs-and-papers/2013-08-cost-prairie-conservation-strips.pdf>

Investigating Opportunities for Enhancing Farmer Adoption of Strategically Targeted Prairie Strips in Iowa. Leopold Center for Sustainable Agriculture Competitive Grant Report P2012-08.

Sediment Removal by Prairie Filter Strips in Row-Cropped Ephemeral Watersheds. Helmers, M.J., X. Zhou, H. Asbjornsen, R. Kolka, M.D. Tomer, and R.M. Cruse. 2012. J. Environ. Qual. 41(5): 1531 Available at
<https://www.agronomy.org/publications/jeq/abstracts/41/5/1531> (verified 7 July 2015).

Small Changes, Big Impacts: Prairie Conservation Strips.
<http://www.leopold.iastate.edu/sites/default/files/pubs-and-papers/2014-03-small-changes-big-impacts-prairie-conservation-strips.pdf>

STRIPS Research Team.
<http://www.leopold.iastate.edu/strips-research-team>

Riparian Buffers

Agroforestry Practices: Riparian Forest Buffers. The Center for Agroforestry, University of Missouri.
<http://www.centerforagroforestry.org/practices/rb.php>

Bear Creek Riparian Buffer Project. Supported by the Leopold Center for Sustainable Agriculture, Iowa State University
<http://www.leopold.iastate.edu/sites/default/files/pubs-and-papers/2013-06-funding-impact-brief-bear-creek-riparian-buffer-project.pdf>

Buffers and Vegetative Filter Strips. Matthew J. Helmers, Thomas M. Isenhardt, Michael G. Dosskey, Seth M. Dabney, Jeffrey S. Strock. 2008. Pp. 43-58 in UMRSHNC (Upper Mississippi River Sub-basin Hypoxia Nutrient Committee). 2008. Final Report: Gulf Hypoxia and Local Water Quality Concerns Workshop. St. Joseph, Michigan: ASABE. Copyright 2008 by the American Society of Agricultural and Biological Engineers.
<http://lshs.tamu.edu/docs/lshs/end-notes/buffers%20and%20vegetative%20filter%20strips-3676912155/buffers%20and%20vegetative%20filter%20strips.pdf>

Connecting Landscape Fragments Through Riparian Zones. 2012. Bentrup, G., M. Dosskey, G. Wells, and M. Schoeneberger. *Forest Landscape Restoration*. 15:93-109.
link.springer.com/chapter/10.1007/978-94-007-5326-6_5

Establishment of Riparian Forest Buffers. University of Minnesota | Extension.
<http://www.extension.umn.edu/environment/agroforestry/riparian-forest-buffers-series/establishment-of-riparian-forest-buffers/>

Riparian Management System. Iowa State University.
<http://www.buffer.forestry.iastate.edu/HTML/buffer.html>

Soil

Act naturally: Couple Finds Farming Organic Nourishes Soil, Spirit. MPR News. 2014.
<http://www.mprnews.org/story/2014/07/14/act-naturally-couple-finds-farming-organic-nourishes-soil-spirit>

Minnesota Soil Management Series. University of Minnesota | Extension.
<http://www.extension.umn.edu/agriculture/tillage/soil-management/soil-management-series/>

Organic Matter Management. Updated 2008. Minnesota Institute for Sustainable Agriculture. <http://www.extension.umn.edu/agriculture/tillage/soil-management/soil-management-series/organic-matter-management/index.html>

Soil Biology Primer. Natural Resources Conservation Service.
<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/biology/>

Soil Health Principles. Sustainable Agriculture Research & Education (SARE).
<http://www.sare.org/Events/National-Conference-on-Cover-Crops-and-Soil-Health/Presentations-from-General-and-Breakout-Sessions/Soil-Health-Principles>

Soil Health, Profits, and Resiliency. Land Stewardship Project.
<http://landstewardshipproject.org/stewardshipfood/soilquality>

Specialty/Niche Crops

Ag Decision Maker, Iowa Fruit and Vegetable Production Budgets. Craig Chase.
Iowa State University Extension.
www.extension.iastate.edu/agdm/crops/html/a1-17.html

Minnesota Specialty Crops, An Analysis of Profitability and Performance. 2013.
Minnesota Department of Agriculture
www.mda.state.mn.us/~media/Files/food/organicgrowing/specialtycrop2012.ashx

Water Infiltration

Soil-Water Infiltration Under Crops, Pasture, and Established Riparian Buffer in Midwestern USA. 2002. L. Bharati, K.-H. Lee, T.M. Isenhardt, and R.C. Schultz.
Agroforestry Systems 56(3): 249–257.
<http://link.springer.com/article/10.1023/a:1021344807285>

Women Caring for the Land

Cox, E. 2013. **The Landowner's Guide to Sustainable Farm Leasing** | Sustainable Farm Lease. Available at <http://sustainablefarmlease.org/the-landowners-guide-to-sustainable-farm-leases/> (verified 30 July 2015).

Kishida, K.T., D. Yang, K.H. Quartz, S.R. Quartz, and P.R. Montague. 2012. **Implicit signals in small group settings and their impact on the expression of cognitive capacity and associated brain responses.** *Philos. Trans. R. Soc. B Biol. Sci.* 367(1589): 704–716 Available at <http://rstb.royalsocietypublishing.org/cgi/doi/10.1098/rstb.2011.0267> (verified 20 July 2015).

Women, Food and Agriculture Network. 2012. **Improving Outreach to Female Non-Operator Farmland Owners**. Available at http://womencaringfortheland.org/wp-content/uploads/2013/10/7thEdition_1_web.pdf.