

CURRICULUM VITAE

NAME

Frasier, W Marshall

ADDRESS

Agricultural and Resource Economics
College of Agricultural Sciences

Clark Building

PHONE

(970) 491-6071

EDUCATION

1995 Ph D, WASH STATE UNIV

1990 MS, U NEBRASKA-LINC

1983 BS, U NEBRASKA-LINC

OTHER POSITIONS

2008 - Present Professor, DARE, Colorado State University.

2000 - 2008 Associate Professor, DARE, Colorado State University.

1993 - 2000 Assistant Professor, DARE, Colorado State University.

1990 - 1993 Graduate Research / Teaching Assistant, Washington State University.

1989 - 1990 Graduate Research Assistant, University of Nebraska.

1984 - 1989 Technical Coordinator Integrated Resource Management, University of Nebraska.

PUBLISHED WORKS

Refereed Journal Articles

French, J., Ahola, J. K., Whittier, J. C., Giles, R., Frasier, W. M., Enns, R. M., Peel, R. K. (in press). Differences in lifetime productivity of beef heifers conceiving to artificial insemination (AI) vs natural service (NS) as a yearling and among females that were offspring of an AI or NS mating. *Prof Anim Sci manuscript 12-01155*.

Alhassan, M., Loomis, J. B., Frasier, W. M., Davies, S. P., Andales, A. A. (2013). Estimating farmers' willingness to pay for improved irrigation: An economic study of the Bontanga irrigation scheme in northern Ghana. *Journal of Agricultural Sciences*, 5(4), 31-42. [dx.doi.org/10.5539/jas.v5n4p31](https://doi.org/10.5539/jas.v5n4p31)

(2010). A Multi-Period Analysis of Two Common Livestock Management Strategies Given Fluctuating Precipitation and Variable Prices. *J of Agr and Applied Econ*, 42, 177-191.

(2010). Economically Optimal Stocking Rates. *Rangeland Ecol Manag*, 63, 407-414.

- (2010). Optimal Rangeland Stocking Decisions Under Stochastic and Climate-Impacted Weather. *Am J Agr Econ*, 92(4), 1242-1255.
- (2008). Determining Optimal Stocking Rates in Wyoming Using a Bellman Approach. *J Agr Resour Econ*, 33, 494-495.
- (2008). Economically Sustainable Cattle Production Practices During Multiple Years of Drought and Differing Price Cycles. *J Agr Resour Econ*, 33, 494-494.
- (2006). The importance of institutional structure in controlling agricultural runoff. *J Am Water Resour As*, 42, 1483-1492.
- (2005). Adoption of more technically efficient irrigation systems as a drought response. *Int J Water Resour D*, 21, 651-662.
- (2004). Economic feasibility of variable-rate nitrogen application utilizing site-specific management zones. *Agron J*, 96, 1572-1580.
- (2003). Linking hydrologic and economic modeling to evaluate waterlogging and soil salinization in the Arkansas River Basin. *J Agr Resour Econ*, 28, 652-653.
- (2003). The impact of the 2002 drought on Colorado's beef industry. *J Agr Resour Econ*, 28, 653-653.
- (2003). The role of water quality and institutional structure in irrigation technology choice. *J Agr Resour Econ*, 28, 659-659.
- (2002). Computer use and satisfaction by Great Plains producers. *Agron J*, 94, 1263-1269.
- (2002). Identifying cost-effective sources for water transfers from agriculture to endangered species preservation in the Platte River Basin. *J Agr Resour Econ*, 27, 581-581.
- (2002). Optimizing in the presence of variable growth paths in livestock. *J Agr Resour Econ*, 27, 580-580.
- (2000). Environmental policy influences on livestock stocking and location decisions. *J Agr Resour Econ*, 25, 721-721.
- (2000). The uneasy hierarchy of Federal and State water laws and policies. *J Agr Resour Econ*, 25, 717-717.
- (2000). Will farmers use computers for resource and environmental management? *J Soil Water Conserv*, 55, 456-462.
- (1999). Computer use in agriculture. *Comput Electron Agr*, 23, 189-204.
- (1999). Evaluating economic and institutional alternatives for meeting interstate ESA instream flow requirements in the Platte River basin. *Am J Agr Econ*, 81, 1257-1261.
- (1998). A dynamic economic analysis of nitrate leaching in corn production under nonuniform irrigation conditions. *Am J Agr Econ*, 80, 397-408.
- (1996). A dynamic economic analysis of nitrate leaching in corn production under nonuniform irrigation conditions. *Am J Agr Econ*, 78, 1401-1401.
- (1995). A dynamic optimization model for policy analysis of nitrate leaching in irrigated corn production. *Am J Agr Econ*, 77, 1363-1363.

(1994). Optimal Replacement and Management Policies for Beef-Cows. *Am J Agr Econ*, 76, 847-858.

Refereed Proceedings or Transactions

Bigler, B.J., French, J.T., Ahola, J. K., Whittier, J. C., Frasier, W. M., Seidel, G. E., Enns, R. M., Peel, R. K. *Comparing the lifetime productivity of beef females initially conceiving to, or sired by artificial insemination or natural service.* Proceedings, Western Section, American Society of Animal Sciences, July 16, 2012: Phoenix, Arizona.

(2011). *Comparison of Alternative Cattle Management Strategies Under Long-Term Drought.* Bulletin B-1219; Cooperative Extension Service, College of Agriculture, University of Wyoming, Laramie.

(2011). *Considerations for Preparing a Drought Management Plan for Livestock Producers.* Bulletin B-1220; Cooperative Extension Service, College of Agriculture, University of Wyoming, Laramie.

(2011). *Price or Weather – Which Signal Should Livestock Producers Follow?.* Bulletin B-1221; Cooperative Extension Service, College of Agriculture, University of Wyoming, Laramie.

(2011). *Two Common Drought Management Strategies and Some Considerations for Wyoming Cattle Producers.* Bulletin B-1218; Cooperative Extension Service, College of Agriculture, University of Wyoming, Laramie.

(2010). *Managing your ranch during drought: Implications from long- and short- run analyses.* U Wyo Coop Ext B-1205, May 2010.

PAPERS PRESENTED/SYMPOSIA/INVITED LECTURES/PROFESSIONAL MEETINGS/WORKSHOPS

January 8, 2013, "A systems approach to managing cheatgrass (*Bromus tectorum*): Learning to identify and manage causes not symptoms", Biology of Weedy and Invasive Species and Controlling Weedy and Invasive Plants Project Directors meeting, USDA AFRI, (Presenter) Brown, C. S., Washington, DC.

2010, "M. Frasier, D. Pendell and K. Peel. "Experiences with Distance Education" CAS Master Teacher Workshop. March 5, 2010."

2010, "M. Frasier. "Economics and the Dynamics of Cheatgrass Management Decisions". Rocky Mountain Cheatgrass Management Project Update. Sybille Canyon, WY. Sept. 7, 2010."

2010, "M. Verdone and W. M. Frasier. "Forget the Hoe: Managing Invasive Plant Species with Dynamic Programming". Agric. and Applied Econ. Assn Annual Meeting, July 25-27, 2010, Denver, Colorado."

TEACHING:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u>Cr. Hrs.</u>	<u>Enrollment</u>
2016	Spring	AREC405 - Agricultural Production Management	3	37
2016	Spring	AREC405 - Agricultural Production Management - Lab	0	37
2016	Spring	AREC487 - Internship	6	1

2016	Spring	AREC784 - Supervised College Teaching	3	1
2015	Fall	AREC305 - Agricultural and Resource Enterprise Analysis	3	53
2015	Fall	AREC305 - Agricultural and Resource Enterprise Analysis	3	19
2015	Fall	AREC305 - Agricultural and Resource Enterprise Analysis - Lab	0	34
2015	Fall	AREC305 - Agricultural and Resource Enterprise Analysis - Lab	0	19
2015	Fall	AGRI636 - Analyzing and Managing the Business	3	14
2015	Fall	AREC487 - Internship	6	3
2015	Fall	AREC615 - Optimization Methods for Applied Economics	3	6
2015	Fall	AREC484 - Supervised College Teaching	5	1
2015	Fall	AREC699 - Thesis	18	2
2015	Summer	AREC487 - Internship	6	4
2015	Spring	AREC405 - Agricultural Production Management	3	32
2015	Spring	AREC405 - Agricultural Production Management - Lab	0	32
2015	Spring	AREC487 - Internship	6	3
2014	Fall	AREC305 - Agricultural and Resource Enterprise Analysis	3	46
2014	Fall	AREC305 - Agricultural and Resource Enterprise Analysis	3	23
2014	Fall	AREC305 - Agricultural and Resource Enterprise Analysis - Lab	0	30
2014	Fall	AREC305 - Agricultural and Resource Enterprise Analysis - Lab	0	16
2014	Fall	AGRI636 - Analyzing and Managing the Business	3	16
2014	Fall	AGRI636 - Analyzing and Managing the Business	3	22
2014	Fall	AREC487 - Internship	6	1
2014	Fall	AREC615 - Optimization Methods for Applied Economics	3	9
2014	Fall	AREC484 - Supervised College Teaching	5	3
2014	Summer	AREC487 - Internship	6	6
2014	Spring	AREC405 - Agricultural Production Management	3	36
2014	Spring	AREC405 - Agricultural Production Management - Lab	0	36
2013	Fall	AREC305 - Agricultural and Resource Enterprise Analysis	3	69
2013	Fall	AREC305 - Agricultural and Resource Enterprise Analysis	3	24
2013	Fall	AREC305 - Agricultural and Resource Enterprise Analysis - Lab	0	37
2013	Fall	AREC305 - Agricultural and Resource Enterprise Analysis - Lab	0	32
2013	Fall	AGRI636 - Analyzing and Managing the Business	3	7
2013	Fall	AGRI636 - Analyzing and Managing the Business	3	14
2013	Fall	AREC487 - Internship	18	5
2013	Fall	AREC615 - Optimization Methods for Applied Economics	3	7
2013	Fall	AREC484 - Supervised College Teaching	5	2
2013	Fall	AREC699 - Thesis	18	6
2013	Summer	AREC487 - Internship	18	4
2013	Summer	AREC484 - Supervised College Teaching	5	0
2013	Spring	AREC305 - Agricultural and Resource Enterprise Analysis	3	38
2013	Spring	AREC305 - Agricultural and Resource Enterprise Analysis	3	19
2013	Spring	AREC305 - Agricultural and Resource Enterprise Analysis - Lab	0	38
2013	Spring	AREC799 - Dissertation	18	11
2013	Spring	AREC487 - Internship	18	5
2013	Spring	AREC484 - Supervised College Teaching	5	4
2013	Spring	AREC699 - Thesis	18	10
2012	Fall	AREC305 - Agricultural and Resource Enterprise Analysis	3	41
2012	Fall	AREC305 - Agricultural and Resource Enterprise Analysis	3	16
2012	Fall	AREC305 - Agricultural and Resource Enterprise Analysis - Lab	0	41

		Lab		
2012	Fall	AGRI636 - Analyzing and Managing the Business	3	17
2012	Fall	AGRI636 - Analyzing and Managing the Business	3	12
2012	Fall	AREC799 - Dissertation	18	8
2012	Fall	AREC487 - Internship	18	8
2012	Fall	AGRI192 - Orientation to Agricultural Systems	1	41
2012	Fall	AREC699 - Thesis	18	9
2012	Summer	AREC487 - Internship	18	5
2012	Spring	AREC305 - Agricultural and Resource Enterprise Analysis	3	11
2012	Spring	AREC405 - Agricultural Production Management	3	34
2012	Spring	AREC405 - Agricultural Production Management - Lab	0	34
2012	Spring	AREC487 - Internship	18	3
2012	Spring	AREC699 - Thesis	18	12
2011	Fall	AREC305 - Agricultural and Resource Enterprise Analysis	3	38
2011	Fall	AREC305 - Agricultural and Resource Enterprise Analysis	3	14
2011	Fall	AREC305 - Agricultural and Resource Enterprise Analysis - Lab	0	38
2011	Fall	AGRI636 - Analyzing and Managing the Business	3	14
2011	Fall	AGRI636 - Analyzing and Managing the Business	3	7
2011	Fall	AREC495 - Independent Study	18	3
2011	Fall	AREC487 - Internship	18	7
2011	Fall	AGRI192 - Orientation to Agricultural Systems	1	42
2011	Fall	AREC699 - Thesis	18	10
2011	Summer	AREC487 - Internship	18	7
2011	Spring	AREC305 - Agricultural and Resource Enterprise Analysis	3	39
2011	Spring	AREC305 - Agricultural and Resource Enterprise Analysis	3	23
2011	Spring	AREC305 - Agricultural and Resource Enterprise Analysis - Lab	0	39
2011	Spring	AREC405 - Agricultural Production Management	3	20
2011	Spring	AREC405 - Agricultural Production Management - Lab	0	20
2011	Spring	AREC799 - Dissertation	18	6
2011	Spring	AREC495 - Independent Study	18	13
2011	Spring	AREC699 - Thesis	18	12
2010	Fall	AGRI636 - Analyzing and Managing the Business	3	16
2010	Fall	AREC799 - Dissertation	18	6
2010	Fall	AREC487 - Internship	18	2
2010	Fall	AGRI192 - Orientation to Agricultural Systems	1	35
2010	Summer	AREC487 - Internship	18	6
2010	Spring	AREC305 - Agricultural and Resource Enterprise	3	7
2010	Spring	AREC305 - Agricultural and Resource Enterprise Analysis	3	36
2010	Spring	AREC305 - Agricultural and Resource Enterprise Analysis - Lab	0	36
2010	Spring	AREC405 - Agricultural Production Management	3	29
2010	Spring	AREC405 - Agricultural Production Management - Lab	0	29
2010	Spring	AREC799 - Dissertation	18	11
2010	Spring	AREC495 - Independent Study	18	7
2010	Spring	AREC487 - Internship	18	3
2010	Spring	AREC484 - Supervised College Teaching	5	3
2009	Fall	AGRI636 - Analyzing and Managing the Business	3	11
2009	Fall	AREC496 - Group Study	18	1
2009	Fall	AREC487 - Internship	18	5
2009	Fall	AGRI192 - Orientation to Agricultural Systems	1	29
2009	Summer	AREC487 - Internship	18	6
2009	Spring	AREC405 - Agricultural Production Management	3	30
2009	Spring	AREC405 - Agricultural Production Management - Lab	0	30

2009	Spring	AGRI636 - Analyzing and Managing the Business	3	2
2009	Spring	AREC495 - Independent Study	18	8
2008	Fall	AREC305 - Agricultural and Resource Enterprise Analysis	3	37
2008	Fall	AREC305 - Agricultural and Resource Enterprise Analysis	3	4
2008	Fall	AREC305 - Agricultural and Resource Enterprise Analysis-Lab	0	37
2008	Fall	AGRI636 - Analyzing and Managing the Business	3	19
2008	Fall	AREC487 - Internship	18	5
2008	Fall	AGRI192 - Orientation to Agricultural Systems	1	32
2008	Fall	AREC484 - Supervised College Teaching	5	5
2008	Summer	AREC487 - Internship	18	7
2008	Spring	AREC305 - Agricultural and Resource Enterprise Analysis	3	40
2008	Spring	AREC305 - Agricultural and Resource Enterprise Analysis-Lab	0	40
2008	Spring	AREC405 - Agricultural Production Management	3	27
2008	Spring	AREC405 - Agricultural Production Management-Lab	0	27
2008	Spring	AREC496 - Group Study	18	6
2008	Spring	AREC487 - Internship	18	7
2007	Fall	AREC305 - Agricultural and Resource Enterprise Analysis	3	39
2007	Fall	AREC305 - Agricultural and Resource Enterprise Analysis-Lab	0	39
2007	Fall	AGRI636 - Analyzing and Managing the Business	3	10
2007	Fall	AREC695 - Independent Study	18	3
2007	Fall	AREC487 - Internship	18	3
2007	Fall	AGRI192 - Orientation to Agricultural Systems	1	18
2007	Fall	AREC484 - Supervised College Teaching	5	2

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Gamma Sigma Delta. (1982 - Present).

American Agricultural Economics Association. (1989 - 2011).

Western Agricultural Economics Association. (1989 - 2011).

Gamma Sigma Delta. (1998 - 2003).

CAS Master Teacher Workshop, Fort Collins, CO. (2011 - Present).

Colorado State University, Fort Collins, CO. (2011 - Present).

Member, Marco Costanigro mentor committee. (2011 - Present).

University of Wyoming. (2011 - Present).

Preview Advising (freshmen). (2010 - Present).

"Paint the A" fall event. (2009 - Present).

Member, CACTA. (2009 - Present).

Committee Chair, Chris Goemans mentor committee. (2009 - Present).

Committee Chair, Undergraduate Curriculum Committee. (2009 - Present).

Member, Executive Committee. (2006 - Present).

Next Step advising (transfers). (2005 - Present).

CAS Study Abroad Programming/Advising. (2004 - Present).

Technology/Web Committee. (2003 - Present).

Agricultural Adventure. (2001 - Present).

Prospective student advising/recruiting. (2001 - Present).

Undergraduate Coordinator. (2001 - Present).

Northeastern Junior College Recruiting/Advising. (2000 - Present).

Member, Academic Affairs. (1999 - Present).

Member, Undergraduate Curriculum Committee. (1996 - Present).

Member, Gamma Sigma Delta. (1982 - Present).

Blackboard Learn pilot test group. (2011 - 2012).

Member, Dustin Pendell mentoring committee. (2009 - 2011).

Member, Jen Bond mentor committee. (2009 - 2011).

Departmental Exit Interviews. (2006 - 2011).

Member, American Agricultural Economics Association. (1989 - 2011).

Member, Western Agricultural Economics Association. (1989 - 2011).

ABA Spring Break Industry Tour. (2010).

Member, Stephan Kroll mentor committee. (2010).

Member, Craig Bond mentor committee. (2009 - 2010).

AgriBusiness Association (ABA). (2008 - 2010).

Ag Council. (2008 - 2009).

FFA State Farm Management CDE. (2006 - 2009).

Member, University Curriculum Committee. (2005 - 2009).

AgriBusiness Association (ABA). (2005 - 2007).

Strategic Planning Committee. (2004 - 2006).

Committee Chair, Undergraduate Curriculum Committee. (2000 - 2006).

Member, Executive Committee. (2002 - 2004).

Member, Search Committee, Vice Provost/Dean CAS. (2002 - 2003).

Committee Chair, Academic Affairs. (2001 - 2003).

Committee Chair, Gamma Sigma Delta. (1998 - 2003).

Ag Council. (1999 - 2001).

ABA Spring Break Industry Tour. (1998).

AgriBusiness Association (ABA). (1994 - 1998).

ABA Spring Break Industry Tour. (1995).
