

Department of Agricultural Economics & Economics
Montana State University
Bozeman, MT 59717-2920

Office Phone: (406) 994-6637
Email: jschumacher@montana.edu

Education:

- **M.S., Applied Economics**, Montana State University, Bozeman, MT (2006).
 - Thesis: “*Redlining in Montana*”
- **B.S., Business**, Montana State University, Bozeman, MT (2000).
 - Economics Minor

Certifications:

- **Accredited Financial Counselor (AFC[®])**, Association for Financial Counseling and Planning Education (2014).

Current Position:

- **Extension Economics Associate Specialist**, Department of Agricultural Economics and Economics, Montana State University Extension, Bozeman, MT. (2006 to present)

Employment History:

- Extension Economics Associate Specialist, Department of Agricultural Economics and Economics, Montana State University Extension, Bozeman, MT (2006-Present).
- Graduate Teaching/Research Assistant, Department of Agricultural Economics and Economics, Montana State University, Bozeman, MT. (2004-2006)
- Pension Analyst, REPTECH Corp., Englewood, CO. (2003-2004)
- Associate Pension Analyst, REPTECH Corp., Englewood, CO. (2001-2003)
- Assistant Pension Analyst, REPTECH Corp., Englewood, CO. (2001)
- Investor Service Representative, Janus Service Corp., Denver, CO. (2000-2001)

Extension and Outreach Publications:

- Haynes, George, Joel Schumacher “Montana Poverty Report Card” (July, 2016)
Statewide Poverty Report Card and 56 County Report Cards
- Fitzgerald, Tim, Joel Schumacher “Be a Savvy Landowner: Understanding Mineral Rights” Big Sky Small Acres Magazine (Fall 2015)
- Johnson, James, Leigh Ann Spokes, Joel Schumacher, Thomas Bass, “Procedural Issues Relative to CRP Participation in Montana: Considerations Prior to Making an Offer, Offer Formulation and Offer Acceptance” Agricultural Marketing Policy Center Policy Issue Paper #42 (July, 2014)
- Bass, Thomas, Julia Dafeo, Joel Schumacher “Manure Composting for Livestock and Poultry Production” MontGuide (August, 2012).

- Goetting, Marsha, Nancy Clark, Shannon Mykins, Barbara Flamand, Christina Goe, Joel Schumacher “Long-Term Care Partnership Insurance in Montana” MontGuide (May, 2012).
- Schumacher, Joel B. “Series of 5 Biodiesel Fact Sheets.” Exploring Energy Efficiency & Alternatives Project (October, 2011).
- Hamlen, Sarah, Joel B. Schumacher “Key Questions to Ask Regarding Small Wind Turbine Economic Calculations.” MontGuide (January, 2011).
- Schumacher, Joel B., Sarah Hamlen “Interconnecting Renewable Electrical Energy Generators: Net Metering in Montana.” MontGuide (September, 2010).
- Schumacher, Joel B., Marsha A. Goetting “Settling an Estate: What Do I Need to Know?” MontGuide (July, 2010).
- McKee, Gregory, Gary W. Brester, Joel B. Schumacher “Evaluating the effect of state ethanol production subsidies in the upper great plains.” Agricultural Marketing Resource Center Renewable Energy Newsletter (April, 2010).
- McKee, Gregory, Gary W. Brester, Joel B. Schumacher “Ethanol Production in the Upper Great Plains.” Agricultural Marketing Resource Center Renewable Energy Newsletter (April, 2010).
- Schumacher, Joel B., Marsha A. Goetting “Individual Retirement Accounts.” MontGuide (August, 2009).
- Schumacher, Joel B., Marsha A. Goetting “Shopping for an Individual Retirement Account.” MontGuide (July, 2009).
- Arthun, Cole, Joel Schumacher “Net Metering in Montana.” Agricultural Marketing Policy Center Briefing Paper (May, 2009).
- Arthun, Cole, Joel Schumacher “Wind Energy Subsidies and Programs.” Agricultural Marketing Policy Center Briefing Paper (October, 2008).
- Schumacher, Joel B., Marsha A. Goetting “Selecting an Organizational Structure for Your Business.” MontGuide (June, 2008)
- Schumacher, Joel “Feedstock Requirements for a Large Scale 100 Million Gallon Biodiesel Production Facilities in Montana.” Agricultural Marketing Policy Center Briefing Paper (December, 2007).
- Schumacher, Joel, Brennan Patricia, Goetting, Marsha “FAQs on Health Savings Accounts” Lead Article in “The Standard” (October, 2007)
- Schumacher, Joel “Commercial Biodiesel Production in Montana.” Agricultural Marketing Policy Center Briefing Paper (September, 2007).
- Goetting, Marsha A., Joel Schumacher “Developing a Spending Plan.” MontGuide (September, 2007). Updated (June, 2015)
- Schumacher, Joel “Biodiesel: Frequently Asked Questions.” Agricultural Marketing Policy Center Briefing Paper (August, 2007).
- Schumacher, Joel, Patricia Q. Brennan, Marsha A. Goetting. “Health Savings Accounts.” MontGuide (August, 2007).
- Schumacher, Joel “Small Scale Biodiesel Production: An Overview.” Agricultural Marketing Policy Center Policy Paper (May, 2007).
- Schumacher, Joel “Oilseed Processing: An Overview.” Agricultural Marketing Policy Center Briefing Paper (May, 2007).
- Schumacher, Joel “Large Scale Oilseed Processing.” Agricultural Marketing Policy Center Briefing Paper (May, 2007).
- Schumacher, Joel “Small Scale Oilseed Processing.” Agricultural Marketing Policy Center Briefing Paper (May, 2007).

- Goetting, Marsha A., Joel Schumacher “Lending Money to Family Members.” MontGuide (February, 2007).
- Goetting, Marsha A., Nancy Clark, Marcie Tomas, Joel Schumacher “Medicaid and Long-Term Care Costs.” MontGuide (January, 2007).
- Schumacher, Joel “Montana Oilseed Markets: Historical Price and Production Statistics.” Agricultural Marketing Policy Center Policy Paper (November, 2006).
- Hewlett, John, Joel Schumacher, James B. Johnson, and Gary W. Brester “GRP Rangeland Insurance for Wyoming.” Agricultural Marketing Policy Paper (October, 2006).
- Schumacher, Joel, Gary W. Brester, James B. Johnson “GRP Rangeland Insurance for Montana.” Agricultural Marketing Policy Center Policy Paper (October, 2006).
- Schumacher, Joel “Oilseed, Biodiesel and Ethanol Subsidies & Renewable Energy Mandates: US Federal & Selected State Initiatives.” Agricultural Marketing Policy Center Policy Paper (September, 2006).
- Goetting, Marsha A., Joel Schumacher “The Federal Estate Tax.” MontGuide (July, 2006). Updated (January, 2016)
- Goetting, Marsha A., Joel Schumacher “Gifting: A Property Transfer Tool of Estate Planning.” MontGuide (July, 2006). Updated (January, 2016)
- Schumacher, Joel, Marsha A. Goetting “Life Estate: A Useful Estate Planning Tool.” MontGuide (November, 2005). Updated (July 2015)
- Schumacher, Joel, Marsha A. Goetting “Transferring Farm or Ranch Property to the Next Generation Through a QTIP Trust.” MontGuide (November, 2005).
- Schumacher, Joel, Marsha A. Goetting “Using a Bypass Trust to Provide for Children from Prior Marriage.” MontGuide (November, 2005).
- Goetting, Marsha A., Joel Schumacher. “Investing In Certificates.” MontGuide (October, 2005).

Decision Making Software:

- Schumacher, Joel “CRP Decision Software Tool.” Excel Based Program (December 2013).
- Schumacher, Joel, Marsha A. Goetting “Saving to Achieve Goals.” Excel Based Program (October, 2008).
- Schumacher, Joel “Biodiesel Cash Flow Worksheet.” Excel Based Program (November, 2008).
 - Created Web-Based Version (July, 2015)
- Schumacher, Joel “Oilseed Processing Cash Flow Worksheet.” Excel Based Program (November, 2008).
 - Created Web-Based Version (July, 2015)
- Schumacher, Joel “Oilseed & Biodiesel Cash Flow Worksheet.” Excel Based Program (April, 2008).
 - Created Web-Based Version (July, 2015)

Teaching Case Studies:

- Schumacher, Joel, Gary Brester, Mike Boland “The Flathead Electric Cooperative: What is the Price of Green?” (May, 2011).
- Brester, Gary, Joel Schumacher, Cole Arthun “Growing a Career on a Small Family Farm: Supplying biodiesel producers in Montana’s Flathead Valley.” Agricultural Marketing Resource Center (November, 2008).

- Brester, Gary, Joel Schumacher, Cole Arthun “Sustaining a ‘Home’ on the Range: Alternative fuel usage on the Rocking Z Ranch.” Agricultural Marketing Resource Center (November, 2008).
- Brester, Gary, Joel Schumacher, Cole Arthun “Small Farm Profitability Case Study: Is the Answer Blowing in the Wind?” Agricultural Marketing Resource Center (November, 2008).

Conferences Organized:

- Agricultural Production Trends and Changing Food Systems (November, 2016)
 - Lead organizer of the conference
 - 12 speakers
 - Attendance: Approximately 150
- Montana Agriculture: From Global Trade to Local Foods (November, 2015)
 - Lead organizer of the conference
 - 6 speakers & 3 Panelists
 - Attendance: Approximately 160
- Montana Agriculture: Current Issues & the Role of Ag. Research (November, 2014)
 - Lead organizer of the conference
 - 7 speakers
 - Attendance: Approximately 150
- Montana Agriculture in 2014: Prospects for Growth, Future Challenges, and the Role of Cooperatives (October, 2013)
 - Lead organizer of the conference
 - 9 speakers
 - Attendance: Approximately 175
- Agriculture 2012: A Changing Landscape (October, 2012)
 - Lead organizer of the conference which explore various current topics of interest in Montana agriculture
 - 8 speakers
 - Attendance: Approximately 170
- Montana Agriculture in Volatile Times (October 2011)
 - Lead organizer of the conference which examined the role of volatility and Montana agriculture
 - 8 speakers
 - Attendance: Approximately 135
- Agriculture and Energy in Montana (November, 2010)
 - Lead organizer of this conference which examined traditional agriculture issues and interface between agriculture and energy
 - 13 speakers
 - Attendance: Approximately 110
- Tribal Wind Energy Conference (April, 2009)
 - Co-Organized (with Carrie Sue Archdale of Fort Peck Community College)
 - This conference explored the opportunities and challenges of wind energy development on Indian Lands.
 - Speakers from National Renewable Energy Lab, Montana Electric Cooperatives’ Association, Northwest Sustainable Energy for Economic Development, Intertribal Council on Utility Policy, National Center for Appropriate Technology, Fort Peck Energy Department, Fort Peck Tribal Council
 - Attendance: Approximately 30

- Montana’s Rural Economy: The Future of Agriculture and Rural Healthcare (November, 2009)
 - Lead Organizer of this conference which focused on traditional agricultural issues and the implications of rural health care on the agriculture
 - 10 Speakers (including Sen. Max Baucus) & Industry Panel
 - Attendance: Approximately 70
- Agriculture Outlook 2008: Farm Bill, Wind Energy & Climate Change (November, 2008)
 - Lead Organizer of conference focused on developments in Montana Agriculture
 - 10 Speakers & Industry Panel (MT Farm Bureau, MT Farmer’s Union, MT Grain Growers Association, MT Stock Growers Association)
 - Attendance: Approximately 70
- Biofuels: Boom or Bust for Montana Producers (November, 2007)
 - Lead Organizer of this conference to address the impact of biofuels on Montana Agriculture
 - Over 15 speakers from MSU(6), Purdue (1), NCAT (1), Earl-Fisher Biofuels (2), MSU Experiment Station (3), National Carbon Offset Coalition (1), MT Dept. of Agriculture (1), Miles Community College (1), MT Dept. of Environmental Quality (1), MT Dept. of Transportation (1), MSU-Northern (1)
 - Attendance: Approximately 75

Refereed Journal Articles:

- Johnson, Carrie L., Joel Schumacher “Does Webinar-Based Financial Education Impact Knowledge and Behavior?” Journal of Extension (February, 2016)

Poster Sessions:

- AFCPE (Association for Financial Counseling and Planning Education) Annual Conference Poster Session (November, 2016)
 - “Webinar Training: Professional Development for Financial Educators”
- AFCPE (Association for Financial Counseling and Planning Education) Annual Conference Poster Session (November, 2014)
 - “Using Webinar Technology to Reach Rural Audiences”

Selected Presentations:

2016

- Speaker, Serve Montana Symposium (March, 2016)
 - “Montana’s Poverty Report Card”
- Speaker, MSU Family and Consumer Sciences Update (May, 2016)
 - “Youth Financial Education Can Be Fun!”
- Speaker & Co-Organizer, Webinar Best Practices Training (May, 2016)
 - “Best Practices for Delivering Financial Education via Webinar”
- Speaker, Economics of the Presidential Election (October, 2016)
 - “Poverty and the Presidential Election”

2015

- Speaker, 4H Leaders Forum (October, 2015)
 - “Finding Your Path to Financial Success”
- Speaker, Cascade County Conservation District Living on The Land Series (May, 2015)

- “Alternative Energy”
- Speaker, Growing Financial Wellness (April, 2015)
 - “Financial Fads: Do they Really Help”
- Speaker, MSU Financial Literacy Council Annual Meeting (March, 2015)
 - “What is Extension’s Role in Financial Literacy?”

2014

- Speaker, Rancher’s Roundtable (January, 2014)
 - Retirement Planning for Ranchers
- Speaker, Montana Financial Education Coalition Conference (April, 2014)
 - Financial Education with Impact
- Speaker, Montana 4H Congress (July, 2014)
 - “Personal Finance 101”
- Panel Member, Phillips 66 Refinery: Community Advisory Committee (October, 2014)
 - Panel Topic: “Ag & Energy”

2013

- Speaker, FINRA Investor Education Foundation Grantee Training (2013)
 - “Creating Successful Evaluation Tools & Important Things to Know about Human Subject Research”
- Invited Speaker Galaxy IV Conference (September, 2013)
 - Dean Don Felker Award Lecture
- Guest Speaker, Montana Ag Live (October, 2013)
 - PBS Live Call in Television Program
- Speaker, MSU Extension Golden Triangle Winter Cropping Tour (January, 2013)
 - “Cropland Leasing Options”

2012

- Panel Member, MSU Extension Annual Conference (November, 2012)
 - Distance Education Round Table and Electronic Communications Panel
- Speaker (and Co-Organizer), Solid Finances Webinar Series (Fall 2012-Spring 2013)
 - 13 Sessions on Money Management, Investments, Retirement & Estate Planning
- Speaker, Various Venues in Montana
 - “E-Commerce Workshops for Small Businesses”
- Speaker, Association for Financial Counseling, Planning & Education Annual Conference (November, 2012)
 - “Is Web-Based Financial Education for Adults Effective? An Analysis of the Solid Finances Series”

2011

- Speaker, Association for Financial Counseling, Planning & Education Annual Conference (November, 2011)
 - “Building Partnerships and Using Technology to provide workplace Financial Education”
- Panel Member, Young Agriculture Leadership Conference (October, 2011)
 - “Transferring Family Operations to the Next Generation”
- Speaker (and Co-Organizer), Solid Finances Webinar Series (Fall 2011-Spring 2012)
 - 16 Sessions on Money Management, Investments, Retirement & Estate Planning
- Speaker, Montana Council on Economic Education Teacher Workshop (June, 2012)
 - “Ethanol & Petroleum: Substitute or Complementary Goods”

2010

- Speaker, Northern Montana Agricultural Research Center Field Day (June, 2010)
 - “Economics of Composting Manure”

- Speaker, Pacific Northwest Regional Economic Conference (PNREC) (May, 2010)
 - “Estimating the On-Farm Demand for Small Scale Wind Turbines in the Pacific Northwest”
- Speaker, Jim Schumacher Memorial Livestock Day (January, 2010)
 - “Grain and Livestock Outlook”
- Speaker (Co-Organizer), Horizon Alumni Financial Facilitator Workshop (April, 2010)
 - “Investing Basics & Resources Available in your Community”
- Speaker (Co-Organizer), Solid Finances in Shaky Economic Times Series, (2009-2010)
 - 8 Sessions: “Retirement Planning for Younger Workers,” “Mutual Funds 101,” “Mortgages 101,” “What should I do with an extra \$50 each month,” “Introduction to the World of Investments,” “Supplemental Retirement Options at MSU,” “Asset Allocation,” “Researching and Selecting Mutual Funds.”

2009

- Speaker, Montana Wool Growers Association Annual Meeting (December, 2009)
 - “Specialty Marketing: An Economists Point of View”
- Speaker, Bio-Energy Workshop Series hosted by MSU-Northern (September, 2009)
 - “Economics of Oilseed Processing in Montana”
- Speaker, Sugar Symposium (January, 2009)
 - “Biofuels: Where are we going?”
- Speaker, MSU President Gamble’s Advisory Council Meeting (October, 2008)
 - “MSU Extension & Biofuels”
- Speaker, Harvesting Clean Energy Conference (January, 2009)
 - “Economics of Oilseed Processing: What new?”
- Speaker, Advanced Oilseed & Biodiesel Production Workshops, (January, 2009)
 - “Economics of Small Scale Oilseed Processing and Biodiesel Production.”

2008

- Speaker, ECON 480: Economics the 2008 Presidential Election, (October, 2008)
 - “Energy Policy Issues”
- Speaker, Developer & Organizer “Entrepreneurship Education for Successful Biodiesel Workshop.” (2007-2008)
 - 4-hour workshops offered in 15 locations
 - “Energy Overview”, “Montana Agriculture & Oilseeds”, “Oilseed Processing and Biodiesel Production Technologies”, “Economics of Oilseed Processing and Biodiesel Production”
- Speaker, Regional FFA Contest (March, 2008)
 - “Camelina Press Conference”
- Speaker, Sidney Winter Agriculture Days (January, 2008)
 - “US Energy Markets: What Role Will Biofuels Play?”

2007

- Speaker, Forestry and Agriculture Greenhouse Gas Modeling Forum (March, 2007)
 - “Demand for Small Scale Bio-Energy Technology: Opportunities for Agriculture & Energy Policy Integration”
- Speaker, Farmer’s Biodiesel Production Workshop (January, 2007)
 - “Oilseed Processing: An Overview of Available Technologies”
- Speaker, Crop and Pest Management School, (January, 2007)
 - “Small Scale Bio-Fuel Production: Identifying the Major Issues”

2006

- Guest Speaker, ECON 480 (November, 2006)
 - “Oilseed Production, Processing and Biofuels in Montana”
- Speaker, Montana Grain Growers Association Annual Meeting, (November, 2006)

- “Bio-Based Fuels: Financing, Tax Credits, Production and Marketing”

Grants Awarded (PI and Co-Pi Status only):

- Schumacher, Joel “Three State Expansion of the Solid Finances Webinar Series.” Granting Agency: FINRA Investor Education Foundation, 2015-2017, \$170,830.
- Shanks, Carmen, Thomas Bass, Joel Schumacher, “Beef to School.” Granting Agency: Western Sustainable Agricultural Research and Education Program, 2015-2018, \$220,000.
- Schumacher, Joel “Financial Education in Montana and South Dakota.” Granting Agencies: FINRA Investor Education Foundation & United Way Worldwide, 2013-2015, \$126,492.
- Boothe, Janelle, Joel Schumacher, Paul Lachapelle, “E-Commerce in Montana.” Granting Agency: National E-Commerce Extension Initiative (Part of the Southern Regional Economic Development Center), 2011-2012, \$2,984.
- Smith, Vincent, Duane Griffith, Joel Schumacher, “Conservation Reserve Program Enrollment Decision in the American Indian Farm Plan” Granting Agency: Fort Peck Community College 2011-2013, \$77,000.
- Schumacher, Joel “Financial Education in Montana.” Granting Agencies: FINRA Investor Education Foundation & United Way Worldwide, 2011-2012, \$31,125.
- Schumacher, Joel “Analysis of Wind Fin Small Scale Wind Turbine.” Granting Agency: Wind Innovations LLC (sub-contract from USDA SBIR Grant to Wind-Pro), 2009, \$10,000.
- Bass, Thomas, Joel Schumacher, Darrin Boss, “Composting Recommendations and Marketing Evaluation for Livestock Operations in Cold Semi-Arid Environments.” Granting Agency: Western SARE, 2009-2010, \$49,315.
- Smith, Vincent, Duane Griffith, Joel Schumacher, “Sequestration and Carbon Credits in the American Indian Farm Plan” Granting Agency: Fort Peck Community College 2009-2011, \$65,320

Awards Received:

- Excellence in Outreach Award
 - January, 2014
 - Awarded by Montana State University
- Dean Don Felker Financial Management Award
 - 1st Place National and 1st Place Western Region
 - September, 2013
 - Awarded to the Solid Finances Team (8 members)
 - Awarded by National Extension Association of Family and Consumer Sciences
- Anne Wiprud Memorial Award
 - October, 2013
 - Early Career Achievement Award
 - Awarded by Montana Joint Council of Extension Professionals
- Visionary Leadership Award
 - Co-Recipient with Marsha Goetting & Keri Hayes
 - October, 2013
 - Awarded by Epsilon Sigma Phi Alpha Chapter

Other Projects:

- State Coordinator “Montana Saves” project
 - Local campaign of the America Saves Project

- July 2013 to present
- MSU Budget Council Member
 - June 2012 to June 2016
 - Outreach Representative
- Member, Montana Financial Education Coalition
 - January 2012 to present
- Member, National Extension Association of Family and Consumer Sciences, Finance Committee Member
 - 2013 to 2016
- Member, Montana Extension Association of Family and Consumer Science
 - 2010 to Present
 - Treasurer, 2012 to present
- Board Member, National Extension E-Commerce Initiative Advisory Board
 - July 2010 to December 2013
 - Reviewer of NEEI Mini-Grant Program
- Board Member, River Rock Property Owners Association
 - June 2011 to January 2014
 - Vice President January 2012 to January 2014
 - RRPOA is a 1,200 member association, with an annual budget of \$500,000
- Technical Reviewer, North Dakota Industrial Commission's "Renewable Energy Grant Program" (2010, 2014, 2016)
- Reviewer, Federal Reserve Bank of Minneapolis "High School Essay Contest" (2009)
- Panel Member on "Sustainable Agriculture Spotlight" (July, 2009)
 - "Biodiesel---Small Scale Production Economics"
 - Sustainable Agriculture Spotlight is a week program hosted by Jeff Birkby on *The Green Talk Network*
- Committee Member, Freeways to Fuel National Alliance Executive Committee
 - August, 2008 to August, 2010
- Featured Guest "Face the State" TV Program (October, 2008)
 - Topic: "Biofuels and Montana Agriculture"
 - Face the State is a 30 minute current events program that features an interview with one guest each Sunday morning. The program is carried statewide on Montana CBS stations.
- Reviewer, National Center for Appropriate Technology's "Oilseed for Fuel, Feed and Future innovation Grants" (February, 2007)