

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:

- Schumacher, Joel, George Haynes “Montana Poverty Report Card Reservations” (August, 2017) Poverty Report Card for Montana’s Seven Reservations
- 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:

- Managing Land Resources in the Context of Variable Weather (November, 2017)
 - Lead organizer of the conference
 - 9 speakers & 4 panelists
 - Attendance: Approximately 165
- 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.
 - 7 Speakers
 - 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
 - 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
 - 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
 - 15 speakers
 - 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:

2017

- Speaker, Montana Library Association, Pre-Conference (March, 2017)
 - “Solid Finances Webinar Series & Useful Financial Literacy Resources”
- Speaker, National Urban Extension Conference (May, 2017)
 - “Solid Finances Partnerships”
- Speaker & Co-Organizer, South Eastern Montana Extension and Librarian Training (May, 2017)
 - “Promoting Financial Wellness in your Community”
- Speaker, MSU Extension Annual Conference (October, 2017)
 - “Establishing Local MT Beef to Schools Programs”

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:

- Distinguished Service Award
 - October, 2017
 - Awarded by Epsilon Sigma Phi Alpha Chapter
- Outstanding Extension Programming Award
 - July, 2017
 - Awarded by Western Agricultural Economics Association
 - Team members; Anton Bekkerman, Eric Belasco, Diane Charlton, Kate Fuller, Joe Janzen, Brock Smith and Joel Schumacher
- 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 my 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:

- Contributing Writer “AgEconMT.com” blog website
 - Fall 2016 to present
- 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
- Technical Reviewer, North Dakota Industrial Commission’s “Renewable Energy Grant Program” (2010, 2014, 2016, 2017)
- 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)