

*Curriculum Vitae*  
**GEORGE B. FRISVOLD**

Department of Agricultural & Applied Economics  
Room 258 ENR2 Building  
University of Arizona Tucson, AZ 86721  
[frisvold@ag.arizona.edu](mailto:frisvold@ag.arizona.edu)  
<https://cals.arizona.edu/arec/faculty/george-frisvold>

## **Education**

Ph.D., 1989      University of California, Berkeley, Agricultural and Resource Economics  
B.S., 1983      University of California, Berkeley, Political Economy of Natural Resources

## **Professional Experience**

2021-	<b>Bartley P. Cardon Chair of Agribusiness Economics &amp; Policy</b> , Department of Agricultural & Applied Economics, The University of Arizona, Tucson, AZ
2002-	<b>Professor and Extension Specialist</b> , Department of Agricultural & Applied Economics, The University of Arizona, Tucson, AZ
1997-2002	<b>Associate Professor and Extension Specialist</b> , Department of Agricultural & Resource Economics, The University of Arizona, Tucson, AZ
1996-97	<b>Branch Chief</b> , Resource and Environmental Policy Branch, Natural Resources & Environment Division, Economic Research Service, USDA, Washington, DC
1995-96	<b>Senior Economist</b> , President's Council of Economic Advisers, Executive Office of the President, Washington, DC
1994	<b>Lecturer</b> , Department of Geography and Environmental Engineering, G.W.C. Whiting School of Engineering, The Johns Hopkins University, Baltimore, MD
1989-95	<b>Agricultural Economist</b> , Resources and Technology Division, Economic Research Service, USDA, Washington, DC
1986-87	<b>Visiting Research Scholar</b> , Department of Extension and Technology Transfer, National Institute of Rural Development, Hyderabad, India

## **Affiliations**

- Climate Assessment for the Southwest
- University of Arizona, Global Change Interdisciplinary Program
- University of Arizona, Center for Latin American Studies
- University of Arizona, Institute for Energy Solutions

## Honors / Awards

2025 With others, Agricultural and Applied Economics Association Distinguished Extension / Outreach Program Group Award

2025 Arizona Department of Agriculture, Director's Impact Award

2024 The article, Norsworthy, Ward, Shaw, Llewellyn, Nichols, Webster, Bradley, **Frisvold**, Powles, Burgos, Witt, Barrett (2012) "Reducing the risks of herbicide resistance: Best management practices and recommendations" is the most cited article in the 58-year history of the journal *Weed Science*, published by the Weed Science Society of America and Cambridge University Press

2019 Fellow, Udall Center for Studies in Public Policy, University of Arizona

2017 Cactus and Pine Golf Superintendents Association Service Award (with A. Kerna Bickel and D. Duval) for report *Contribution of the Golf Industry to the Arizona Economy*

2015 University of Arizona, College of Agriculture & Life Sciences, Extension Team Award (with A Kerna & D Duval), Economic Impact Assessment Team.

2007 Contributed one chapter to *Regulating Agricultural Biotechnology: Economics and Policy*, R.E. Just, J.M. Alston, and D. Zilberman (eds.), winner of the Quality of Communication Award from the American Agricultural Economics Association

2007 Award presented by the Intergovernmental Panel on Climate Change for contributing to its award of the 2007 Nobel Peace Prize

1997 Society for Technical Communication, Technical Communication Award for Scholarly / Professional Articles for Day, K. and G. Frisvold. Cooperative Research Bolsters War on Cancer. *Forum for Applied Research and Public Policy* 11(1996), 60-64.

1996 Letter of appreciation from President William Jefferson Clinton for economic analysis of Everglades restoration policies

1992 USDA Economic Research Service Administrator's Special Merit Award for Superior Service for Outstanding Publications on Public Research Investment

1992 USDA Certificate of Appreciation for Sustained Superior Performance and Contributions to the Resources and Technology Division

1991 USDA Certificate of Merit Award for Extraordinary and Exemplary Performance in the Program of the Resources and Technology Division

1991 USDA Certificate of Merit Award for Mentoring Minority Employees

1991 USDA Certificate of Merit Award for Staff Analysis

## Service to the Agricultural and Applied Economics Association (AAEA)

- Special Issue Editor (with D. Ervin) on Herbicide Resistance Management, for *Choices*, 2016
- Symposium Organizer (with T. Hurley and P. Mitchell), Herbicide Resistant Weeds and Sustainable Weed Management, AAEA Annual Meeting, 2012
- Co-Editor, *Review of Agricultural Economics*, 2004-9
- AAEA membership committee, 2005-8
- Associate Editor, *American Journal of Agricultural Economics*, 2000-2
- Member AAEA selection committee for Quality of Communications Award, 1999-2001 (recused in 2000 because one of my publications was nominated for award)
- Editorial Board Member, *Choices*, 1998-2000

## Service to Other Professional Organizations

- Member, U.S. EPA Pesticide Program Dialogue Committee, Resistance Management Work Group, 2021-2024
- Special Issue Guest Editor, *Journal of the American Water Resources Association (JAWRA)*, 2021-22
- Editorial Council, *Journal of Agricultural and Resource Economics*, 2015-2018, 2021-24
- Associate Editor, *Pest Management Sciences* 2016-present
- Associate Editor, *Water Economics & Policy* 2015-present
- Advising Editor, *AgBioForum*, 2004-2014
- Weed Science Society of America, Education Committee Member, 2016-present
- President, USDA Multi-State Research Project, NC-1034: Impact Analyses and Decision Strategies for Agricultural Research, 2011-2019
- Conference Organizer, "Alternative Governance Structures for Sustainable Use of Biotechnology." International Consortium for Agricultural Bioeconomy Research Pre-Conference, 2018
- Grant Panel Manager, USDA AFRI CARE Program, 2017
- Chairperson of the Cotton and Economics Marketing Technical Conference of the Beltwide Cotton Conferences, 2010-11
- Vice-Chair of the Cotton and Economics Marketing Technical Conference of the Beltwide Cotton Conferences, 2009-10
- Member, Western Agricultural Economics Association (WAEA) Selection Committee for 2010 "Outstanding Published Graduate Student or MS Thesis" Award
- Co-Editor, *Journal of Agricultural and Resource Economics*, 2001-3
- Chair, WAEA Selection Committee for 2002 "Outstanding Extension Career in Agricultural Economics" and "Outstanding Extension Program in Agricultural Economics" Awards.

## Intramural Service

- Director of Graduate Studies, Department of Agricultural & Applied Economics, University of Arizona (current)
- Member, Committee on Global Change. The Committee administers the University of Arizona's Ph.D. minor on Global Change (current)
- Chair, Advisory Board, The Jimmye S. & Helen F. Hillman Endowment for the Exchange of Scholars, University of Arizona (2010-2021)
- Acting Department Head, Department of Agricultural and Resource Economics, University of Arizona, Fall Semester 2013 and Spring Semester 2024

## Publications

### Books

- [3] NASEM (National Academies of Sciences, Engineering, and Medicine) (2020) *Safeguarding the Bioeconomy*. The National Academies Press: Washington, DC. (Lead author: Chapter 2, Contributing author: Chapters 3 and 4).
- [2] Colby, B & **G Frisvold** (eds.) (2011) *Adaptation and Resilience: The Economics of Climate-Water-Energy Challenges in the Arid Southwest*. Washington, DC: Resources for the Future Press. Volume co-editor and co-author of eight chapters.
- [1] **Frisvold, G** & B Kuhn. (eds.) (1999) *Global Environmental Change and Agriculture*. Northampton, MA: Edward Elgar. 1999.

## Journal Articles

[96] Montaña, C, D Duval, **G Frisvold** (2025). Measuring Arizona agriculture's export contributions and sensitivity to trade policy shifts. *Journal of Regional Analysis & Policy* 55, 91-96.

[95] Ervin, D, **G Frisvold**, J Allen, A Patton, J Brosnan, R Bowling, M Elmore, M Bagavathianan, S Askew, L McCarty (2025) Motivations and barriers to integrated management of annual bluegrass in sports fields: US survey findings. *Urban Forestry & Urban Greening* 112, 128877.

[94] Crimmins, M, C Maxwell, D Ferguson, **G Frisvold** (2024) Burn Period: A use-inspired metric to track wildfire risk across Arizona and New Mexico in the southwest U.S. *Journal of Applied Meteorology & Climatology* 63, 1559-1568.

[93] Duval, D, **G Frisvold**, A Bickel (2024) Differential effects of drought on Arizona state park visits: Implications for visitor spending and local economies. *Journal of Regional Analysis & Policy* 54, 91-114.

[92] Ferguson, D, **G Frisvold**, C Maxwell, M Crimmins (2024) How are weather and climate products and decision support systems used in wildland fire decision making in the US Southwest? *Weather Climate & Society* 16, 789-802.

[91] Sun, H, T Hurley, **G Frisvold**, K Dentzman, D Ervin, W Everman, J Gunsolus, J Norsworthy, M Owen (2024) How does herbicide resistance change farmer's weed management decisions? Evidence from the Roundup Ready experiment. *Agronomy* 14, 2720.

[90] **Frisvold, G**, N Zhang, M Crimmins, D Ferguson, C Maxwell (2024) Demand for information for wildland fire management. *Atmosphere* 15, 1364.

[89] **Frisvold, G** (2024) Arizona policy responses to water shortage: Can they have an impact? *Choices* 39, 1-7.

[88] **Frisvold, G**, J Atla (2024) Agricultural economic water productivity differences across counties in the Colorado River Basin. *Hydrology* 11, 125.

[87] **Frisvold, G**, D Duval (2024) Agricultural water footprints and productivity in the Colorado River Basin. *Hydrology* 11, 5.

[86] **Frisvold, G**, C Agme, D Ervin, J Allen, S Askew, RG Bowling, J Brosnan, M Elmor, T Gannon, J Kaminski, L McCarty, J McCurdy, A. Patton, J Taylor, JB Unruh, M Bagavathiannan (2023) Extension event attendance increases adoption of weed management practices by sports field managers. *Weed Technology* 37, 578-87.

[85] **Frisvold, G**, L Fernandez, F Lehner, S McAfee, S Megdal, E Payton, J Schmidt, J Vano, C Woodhouse (2022) Featured collection introduction: Severe sustained drought revisited: Managing the Colorado River system in times of water shortage 25 years later —Part II. *Journal of the American Water Resources Association* 58, 1049-1052

[84] **Frisvold, G**, L Fernandez, F Lehner, S McAfee, S Megdal, E Payton, J Schmidt, J Vano, C Woodhouse (2022) Featured collection introduction: Severe sustained drought revisited: Managing the Colorado River system in times of water shortage 25 years later—Part I. *Journal of the American Water Resources Association* 58, 597-784.

[83] Allen, J, D Ervin, **G Frisvold**, J Brosnan, J McCurdy, R Bowling, A Patton, M Elmore, T Gannon, L McCarty, P McCullough, J Kaminski, S Askew, A Kowalewski, J Unruh, S McElroy, M Bagavathiannan (2022) Herbicide-resistance in turf systems: Insights and options for managing complexity. *Sustainability* 14, 13399.

[82] Duval, D, A Bickel, **G Frisvold** (2022) Effects of reservoir levels on Arizona national recreation area visitation, visitor spending, and local economies. *Journal of the American Water Resources Association* 58, 622-638.

[81] Jussaume, R, K Dentzman, **G Frisvold**, D Ervin, M Owen (2022) Factors that influence on-farm decision-making: Evidence from weed management. *Society & Natural Resources* 35, 527-546.

[80] **Frisvold, G**, S Moss, A Hodgson, M Maxon (2021) Understanding the U.S. bioeconomy: a new definition and landscape. *Sustainability* 13, 1627.

[79] **Frisvold, G** (2020) The U.S. dairy industry in the 20th & 21st century. *Journal of Food Law & Policy* 16, 197-226.

[78] Jørgensen; P, C Folke, P Henriksson, K Malmros, M Troell, A Zorzet, A Aktipis, Z Brown, Y Carrière, S Downes, R Dunn, G Epstein, **G Frisvold**, Y Gröhn, G Gujar, D Hawthorne, D Jasovsky, E Klein, F Klein, G Lhermie, D Mota-Sanchez, C Omoto, H Scott, D Wernli, S Carroll (2020) Coevolutionary governance of antibiotic and pesticide resistance. *Trends in Ecology & Evolution* 35, 484-494.

[77] **Frisvold, G**, J Albright, D Ervin, M Owen, J Norsworthy, K Dentzman, T Hurley, R Jussaume, J Gunsolus, W Everman (2020) Do farmers manage weeds on owned and rented land differently? Evidence from US corn and soybean farms. *Pest Management Science* 76, 2030-2039.

[76] Bickel, AK, D Duval, **G Frisvold** (2019) Simple approaches to examine economic impacts of water reallocations from agriculture. *Journal of Contemporary Water Research & Education* 168, 29-48.

[75] **Frisvold G** (2019) How low can you go? Measuring impacts of reduced pesticide use. *Pest Management Science* 75, 1223-1233.

[74] Ervin, D, E Breshears, **G Frisvold**, T Hurley, K Dentzman, J. Gunsolus, R Jussaume, M Owen, J Norsworthy, M Al Mamun, W Everman (2019) Farmer attitudes toward cooperative approaches to herbicide resistance management: A common pool ecosystem service challenge. *Ecological Economics* 157, 237-245.

[73] Jørgensen, P, A Aktipis, Z Brown, Y Carrière, Sharon Downes, R Dunn, G Epstein, **G Frisvold**, D Hawthorne, Y Gröhn, G Gujar, D Jasovský, E Klein, F Klein, G Lhermie, D Mota-Sanchez, C Omoto, M Schlüter, H Scott, D Wernli, S Carroll (2018) Dynamics of antibiotic and pesticide susceptibility and the Anthropocene operating space. *Nature Sustainability* 1, 632-641.

[72] Duval, D, A Bickel, **G Frisvold** (2018) Farm to school programs' local foods activity in Southern Arizona: A case study. *Journal of Agriculture, Food Systems, and Community Development* 8, 53-72.

[71] **Frisvold, G**, C Sanchez, N Gollehon, S Megdal, P Brown (2018) Evaluating gravity flow irrigation, with lessons from Yuma, Arizona, USA. *Sustainability* 10, 1548.

[70] **Frisvold, G** (2018) A weed management game: A teaching tool. *Pest Management Science* 74, 2376-2382.

[69] Davis, A & **G Frisvold** (2017) Are herbicides a once in a century method of weed control? *Pest Management Science* 73, 2209-2220.

[68] Duval, D, A Kerna, **G Frisvold**, K Umeda (2017) Water conservation and Cooperative Extension turfgrass programs in the Desert Southwest. *Golf Course Management*, August 2017, 74-77.

[67] Barrett, M, D Ervin, **G Frisvold**, R Jussaume, D Shaw, S Ward (2017). A wicked view. *Weed Science* 65, 441-443.

[66] **Frisvold, G**, M Bagavathiannan, J Norsworthy (2017) Positive and normative modeling for Palmer amaranth control and herbicide resistance management. *Pest Management Science* 73, 1110-1120.

[65] Ervin, D, **G Frisvold** (2016) Are community-based approaches to manage herbicide resistance wisdom or folly? *Choices* 4<sup>th</sup> Quarter, 31, 1- 4.

[64] Ervin, D, G Frisvold, G, D Ervin (2016) Theme overview: Herbicide resistance management. *Choices* 4<sup>th</sup> Quarter, 31, 1- 8.

[63] Ervin, D, **G Frisvold** (2016) Community-based approaches to herbicide resistant weed management: Lessons from science and practice. *Weed Science* 64, 609-626.

[62] **Frisvold, G**, T Bai (2016) Irrigation technology choice as adaptation to climate change in the western U.S. *Journal of Contemporary Water Research & Education* 158, 62-77.

[61] Hurley, T, **G Frisvold** (2016) Economic barriers to herbicide resistance management. *Weed Science* 64, 585-594.

[60] Livingston, M, J Fernandez-Cornejo, **G Frisvold** (2016) Economic returns to herbicide resistance management in the short and long run: The role of neighbor effects. *Weed Science* 64, 595-608.

[59] Pannell, D, P Tillie, E Rodriguez-Cerezo, D Ervin, **G Frisvold** (2016) Herbicide resistance: Economic and environmental challenges *AgBioForum* 19, 136-155.

[58] Dong, F, P Mitchell, T Hurley, **G Frisvold** (2016) Quantifying adoption intensity for weed resistance management practices and its determinants among U.S. soybean, corn, and cotton farmers. *Journal of Agricultural and Resource Economics* 41, 42-61.

[57] **Frisvold, G** (2015) Water, agriculture, and drought in the West under changing climate and policy regimes. *Natural Resources Journal* 55, 293-328.

[56] **Frisvold, G**, J Reeves (2015) Genetically modified crops: International trade and trade policy effects. *International Journal of Food and Agricultural Economics* 3, 1-13.

[55] Kerna, A, **G Frisvold**, L Jacobs, V Farrell, L Houtkooper, S Misner (2015) Application of IMPLAN to extension programs: Economic impacts of the University of Arizona Cooperative Extension SNAP-Ed spending. *Journal of Extension* 53, 1-4, Article # 6TOT4.

[54] Naranjo, S, P Ellsworth, **G Frisvold** (2015) Economic value of biological control in integrated pest management of managed plant systems. *Annual Review of Entomology* 60, 621-645.

[53] Bark, R, **G Frisvold**, K Flessa (2014) The role of economics in transboundary restoration water management in the Colorado River Delta. *Water Resources and Economics* 8, 43-56.

[52] **Frisvold, G** (2014) Overview of the special issue in honor of Jimmie S. Hillman. *AgBioForum* 17, 1-3.

[51] Büyüctahtakin, İE, Z Feng, AD Olsson, **G Frisvold**, Ferenc Szidarovszky (2014) Invasive species control optimization as a dynamic spatial process: An application to buffelgrass (*Pennisetum ciliare*) in Arizona. *Invasive Plant Science and Management* 7, 132–146.

[50] Büyüctahtakin, İE, Z Feng, **G Frisvold**, F Szidarovszky (2013) Invasive species control based on a cooperative game. *Applied Mathematics* 4, 54–59.

[49] **Frisvold, G**, S Deva (2013) Climate and choice of irrigation technology: implications for climate adaptation. *Journal of Natural Resources Policy Research* 5, 107–127.

[48] **Frisvold, G**, K Konyar (2013) Climate change mitigation policies: Implications for agriculture and water resources. *Journal of Contemporary Water Research and Education* 150, 27–42.

[47] **Frisvold, G**, T Marquez (2013) Water requirements for large-scale solar energy projects in the West. *Journal of Contemporary Water Research and Education* 150, 106–116.

[46] **Frisvold, G**, A Murugesan (2013) Use of weather information for agricultural decision making. *Weather, Climate & Society* 5, 55–69.

[45] Norman, L, M Villarreal, R Niraula, T Meixner, **G Frisvold**, W Labiosa (2013) Framing scenarios of binational water policy with a tool to visualize, quantify and valuate changes in ecosystem services. *Water* 5, 852–874.

[44] **Frisvold, G**, S Deva (2012) Farm size, irrigation practices, and conservation program participation in the US Southwest. *Irrigation and Drainage* 61, 569–582.

[43] **Frisvold, G**, K Konyar (2012) Less water: How will agriculture in southern Mountain states adapt? *Water Resources Research* 48, W05534, doi:10.1029/2011WR011057.

[42] Norsworthy, J, S Ward, D Shaw, R Llewellyn, R Nichols, T Webster, K Bradley, **G Frisvold**, S. Powles, N Burgos, W Witt, M Barrett (2012) Reducing the risks of herbicide resistance: Best management practices and recommendations. *Weed Science* 60, 31–62.

[41] Büyüctahtakin, İE, Z Feng, **G Frisvold**, F Szidarovszky, A Olsson (2011) A dynamic model of controlling invasive species. *Computers & Mathematics with Applications* 62, 326–3333.

[40] **Frisvold, G**, J Reeves (2010) Resistance management and sustainable use of agricultural biotechnology. *AgBioForum* 13, 343–359.

[39] Thompson, G, S Aradhyula, **G Frisvold**, R Tronstad (2010) Does paying referees expedite reviews? Results of a natural experiment. *Southern Economic Journal* 76, 678–692.

[38] **Frisvold, G**, A. Boor, J Reeves (2009) Simultaneous diffusion of herbicide resistant cotton and conservation tillage. *AgBioForum* 12, 249-257.

[37] **Frisvold, G**, T Hurley, P Mitchell (2009) Adoption of best management practices to control weed resistance by corn, cotton, and soybean growers. *AgBioForum* 12, 370-381.

[36] **Frisvold, G**, T Hurley, P Mitchell (2009). Overview: Herbicide resistant crops—diffusion, benefits, pricing, and resistance management. *AgBioForum* 12, 244-248.

[35] Hurley, T, P Mitchell, **G Frisvold** (2009) Characteristics of herbicides and weed-management programs most important to corn, cotton, and soybean growers. *AgBioForum* 12, 269-280.

[34] Hurley, T, P Mitchell, **G Frisvold** (2009) Effects of weed resistance concerns and resistance management practices on the value of Roundup Ready® crops. *AgBioForum* 12, 291-302.

[33] Innes, R, **G Frisvold** (2009) The economics of endangered species. *Annual Review of Resource Economics* 1, 485-512.

[32] **Frisvold, G**, K Day-Rubenstein (2008) Bioprospecting and biodiversity conservation: What happens when discoveries are made? *Arizona Law Review* 50, 545-576.

[31] **Frisvold, G**, J Reeves (2008) The costs and benefits of refuge requirements: The case of Bt cotton. *Ecological Economics* 65, 87-97.

[30] **Frisvold, G**, J Reeves, R Tronstad (2006) Bt cotton adoption in the United States and China: International trade and welfare effects. *AgBioForum* 9, 69-78.

[29] Huffman, W, G Norton, G. Traxler, **G. Frisvold**, J Foltz (2006) Winners and losers: Formula versus competitive funding of agricultural research. *Choices* 24, 269-274.

[28] **Frisvold, G**, J Reeves, R Tronstad (2006) Bt Cotton Adoption in the United States and China: International Trade and Welfare Effects. *AgBioForum* 9, 69-78.

[27] **Frisvold G** (2004) How federal farm programs affect water use, quality, and allocation among sectors. *Water Resources Research* 40, W12S05.

[26] Day-Rubenstein, K, P Heisey, C Klotz-Ingram, **G Frisvold** (2003) Competitive grants and the funding of agricultural research in the U.S. *Review of Agricultural Economics* 25, 352-368.

[25] **Frisvold, G**, J Sullivan, A Raneses (2003) Genetic improvements in major U.S. crops: The size and distribution of benefits. *Agricultural Economics* 28, 109-199.

[24] **Frisvold, G**, D Osgood (2002) Ambos Nogales: A tale of two cities and water management on the U.S.-Mexico Border. *Journal of Law and Border Studies* 2, 7-36.

[23] Day-Rubenstein, K & **G Frisvold** (2001) Genetic prospecting and biodiversity development agreements. *Land Use Policy* 18, 205-219.

[22] **Frisvold, G**, K Fornicola, M Langworthy (2001) Market returns, infrastructure and the supply and demand for extension services. *American Journal of Agricultural Economics* 83, 758-763.

[21] **Frisvold, G**, D Osgood (2001) Financing wastewater collection and treatment on the U.S.-Mexico border. *Water Resources Update* 121, 40-49.

[20] Day-Rubenstein, K, M Stuart, **G Frisvold** (2000) Agricultural land use in tropical countries: Patterns, determinants, and implications for biodiversity loss. *World Resources Review* 12, 621-650.

- [19] **Frisvold, G** (2000) Data, information, and rural environmental policy: What will the next ten years bring? *Review of Agricultural Economics* 22, 238-45.
- [18] **Frisvold, G**, M Caswell (2000) Transboundary water management: Game-theoretic lessons for projects on the U.S.-Mexico border. *Agricultural Economics* 24, 101-111.
- [17] **Frisvold, G**, J Sullivan, A Raneses (1999) Who benefits from genetic improvements in U.S. crops? *AgBioForum* 2, 226-35.
- [16] **Frisvold, G**, P Condon (1998) The Convention on Biological Diversity and agriculture: Implications and unresolved debates. *World Development* 26, 551-70.
- [15] Winters, P, R Murgai, A de Janvry, E Sadoulet, **G Frisvold** (1998) Economic and welfare impacts of climate change on developing countries. *Environmental and Resource Economics* 12, 1-12.
- [14] **Frisvold, G**, K Fuglie, C Klotz-Ingram (1998) Growth of private agricultural research. *Choices* 13, 22-3.
- [13] Day, K, **G Frisvold** (1996) Cooperative research bolsters war on cancer. *Forum for Applied Research & Public Policy* 11, 60-64.
- [12] Larson, B, **G Frisvold** (1996) Fertilizer use in Sub-Saharan Africa: What is needed and why. *Food Policy* 21, 509-525.
- [11] Larson, B, **G Frisvold** (1996) Uncertainty over future environmental taxes: Impacts on current investment in resource conservation. *Environmental & Resource Economics* 8, 461-471.
- [10] **Frisvold, G**, P Condon (1995) The Convention on Biological Diversity: Implications for agriculture. *Technological Forecasting & Social Change* 50, 41-54.
- [9] **Frisvold, G**, K Ingram (1995) Sources of agricultural productivity growth and stagnation in Sub-Saharan Africa. *Agricultural Economics* 13, 51-61.
- [8] Westenbarger, D, **G Frisvold** (1995) Air pollution and farm-level crop yields: An empirical analysis of corn and soybeans. *Agricultural & Resource Economics Review* 24, 156-165.
- [7] **Frisvold, G** (1994) Does supervision matter? Some hypothesis tests using Indian farm-level data. *Journal of Development Economics* 43, 217-238.
- [6] **Frisvold, G**, P Condon (1994) Biodiversity conservation and biotechnology development agreements. *Contemporary Economic Policy* 12, 1-9.
- [5] Westenbarger, D, G Frisvold (1994) Agricultural exposure to ozone and acid precipitation. *Atmospheric Environment* 28, 2895-2907.
- [4] Day, K, **G Frisvold** (1993) Medical research and genetic resources management: The case of Taxol. *Contemporary Policy Issues* 11, 1-11.
- [3] Day, **G Frisvold** (1993) What happened to natural resources and environmental research in the US? *Evolutionary Trends in Plants* 1, 1-4.
- [2] **Frisvold, G** (1991) Emerging issues in the allocation of public agricultural research funds. *American Journal of Agricultural Economics* 73, 876-881.
- [1] **Frisvold, G**, R Mines, J Perloff (1988) Effects of job site sanitation and living conditions on the health and welfare of agricultural workers. *American Journal of Agricultural Economics* 70, 873-885.

## Chapters in Books and Monographs

[38] Cingiz, K, H Chavarria, J Ecuru, **G Frisvold**, M Kardung, J Wesseler (2025). Perspectives on bioeconomy policies. In *Encyclopedia of Energy, Natural Resource, and Environmental Economics*, 2<sup>nd</sup> Edition. Volume 2: Resources. T Ancev (ed.) Elsevier.

[37] **Frisvold, G** (2023) Bioprospecting and incentives for biodiversity conservation: Lessons from the history of paclitaxel. In *Sustainable Resource Development in the 21st Century - Essays in Memory of Peter Berck*. D Zilberman, JM Perloff, C Berck (eds.) New York: Springer Nature.

[36] Bickel, AK, D Duval, **G Frisvold** (2020) Paying for prevention: Evaluating Arizona rancher spending to avoid or reduce livestock conflicts with the Mexican gray wolf. In *Proceedings of the Vertebrate Pest Conference*. DM Woods (ed.) Paper No. 11, Volume 29.

[35] **Frisvold, G** (2019) Economic assessment of IPM implementation. In *Integrated Management of Insect Pests: Current and Future Developments*. M Kogan, EA Heinrichs (eds.) Cambridge: Burley Dodds.

[34] Naranjo, S, **G Frisvold**, P Ellsworth (2019) Economic value of arthropod biological control. In *The Economics of Integrated Pest Management of Insects*. D Onstad, P Crain (eds.) Wallingford, UK: CABI.

[33] Konyar, K, **G Frisvold** (2019). Climate policies as water policies. In *Applied Methods for Agriculture and Natural Resource Management: A Festschrift in Honor of Richard Howitt*. S Msangi, D MacEwan (eds.) New York: Springer Verlag.

[32] **Frisvold, G**, M Caswell (2018). Transboundary water management: Game-theoretic lessons for projects on the U.S- Mexico border. In *Economics of Water Resources: Institutions, Instruments and Policies for Managing Scarcity*. M Renwick (ed.) London: Routledge.

[31] **Frisvold, G**, S Deva (2016) Climate and choice of irrigation technology: implications for climate adaptation. In *Climate Variability and Water Dependent Sectors: Impacts and Potential Adaptations*. D Peck, J Peterson (eds.) London: Routledge.

[30] Colby, B, **G Frisvold**, M Mealy (2015) Reallocating climate risks through water trading. In *Routledge Handbook of Water Economics and Institutions*. K Burnett, R Howitt, J Roumasset, C Wada (eds.) London: Routledge.

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