

Chapter 6 - Social and Economic Effects of Genetically Engineered Crops

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Reference	Year	Title	Publication	Primary Author	Primary Author Affiliation	Funding Source	Funders
Afidchao, M. et al.	2014	Analysing the farm level economic impact of GM corn in the Philippines	NJAS – Wageningen Journal of Life Sciences 70–71:113–121.	Afidchao, M.	Leiden University Isabela State University	Academia	Louwes scholarship program of Leiden University in the Netherlands
Alfranca, O. and W.E. Huffman	2001	Impact of institutions and public research on private agricultural research	Agricultural Economics 25:191–198.	Alfranca, O.	Polytechnic University of Catalonia Iowa State University	Government (U.S.)	Iowa agriculture and Home Economics Experiment Station
Almedia, C., et al.	2015	Perceptions of Brazilian small-scale farmers about GM crops	Ambiente & Sociedade 18:193–210.	Almedia, C.	Life and Science Museum	Not Reported	
Alston, J.M., et al.	2010	Persistence Pays: US Agricultural Productivity Growth and the Benefits from Public R&D Spending	New York, NY: Springer Science and Business Media.	Alston, J.M.	University of California Davis	Academia	University of California University of Minnesota University of Wyoming California Polytechnic and State University
						Government (U.S.)	U.S. Department of Agriculture
						Foundation	The Farm Foundation
						Government (Non-U.S.)	Department of Primary Industries in Victoria, Australia

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Andow, D.A.	2010	Bt Brinjal: The Scope and Adequacy of the GEAC Environmental Risk Assessment	Available at http://www.researchgate.net/publication/228549051_Bt_Brinjal_The_scope_and_adequacy_of_the_GEAC_environmental_risk_assessment . Accessed October 23, 2015.	Andow, D.A.	University of Minnesota	Not Reported	
Ansink, E.J.H. and J.H.H. Wesseler	2009	Quantifying type I and type II errors in decision-making under uncertainty: The case of GM crops	Letters in Spatial and Resource Sciences 2:61–66.	Ansink, E.J.H.	Wagenigen University	Not Reported	
Anthony, V.M. and M. Ferroni	2012	Agricultural biotechnology and smallholder farmers in developing countries	Current Opinion in Biotechnology 23:273–285.	Anthony, V.M.	Syngenta	Foundation	Syngenta Foundation for Sustainable Agriculture

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Arbuckle, J.R., Jr.	2014	Farmer Perspective and Pesticide Resistance	Ames: Iowa State University Extension and Outreach. Available online at http://www.soc.iastate.edu/extension/ifrlp/PDF/PM3070.pdf . Accessed February 22, 2016.	Arbuckle, J.R., Jr.	Iowa State University	Not Reported	
Areal, F.J. et al.	2013	Economic and agronomic impact of commercialized GM crops: A meta-analysis	Journal of Agricultural Science 151:7–33	Areal, F.J.	European Commission Joint Research Centre	Not Reported	
Bayer, J.C., et al.	2010	Cost of compliance with biotechnology regulation in the Philippines: Implications for developing countries	AgBioForum 13:53–56.	Bayer, J.C.	Budget Office in the City of Norfolk	Government (U.S.)	
Beckie, H.J et al.	2006	A decade of herbicide-resistant crops in Canada	Canadian Journal of Plant Science 86:1243–1264	Beckie, H.J.	Agriculture & Agri Food Canada	Not Reported	
Beckmann, V., et al.	2006	Governing the Co-existence of GM Crops—Ex-ante Regulation and Ex-post Liability under Uncertainty and Irreversibility	. Berlin: Humboldt University Berlin	Beckmann, V.		Not Reported	

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Bell, S.E., et al.	2015	Manipulated masculinities: Agribusiness, deskilling, and the rise of the businessman-farmer in the United States	Rural Sociology 80:285–313	Bell, S.E.	University of Kentucky	Academia	Rural Sociological Society
Bennett, R., et al.	2003	<i>Bt</i> cotton, pesticides, labour and health: A case study of smallholder farmers in the Makhatini Flats, Republic of South Africa	Outlook on Agriculture 32:123–128.	Bennett, R.	University of Reading	Academia	University of Reading
Bentley, J. and G. Thiele	1999	Bibliography: Farmer knowledge and management of crop disease	Agriculture and Human Values 16:75–81.	Bentley, J.		Foundation	The PROINPA Foundation in Bolivia
Bock, B.B.	2006	Rurality and gender identity: An overview.	Rural Gender Relations: Issues and Case Studies, B.B. Bock and S. Shortall, eds. Wallingford, UK: CABI Publishing	Bock, B.B.		Not Reported	
Bonfini, L. P, et al	2002	Review of GMO Detection and Quantification Techniques	Ispra, Italy: European Commission Joint Research Center, Institute for Health and Consumer Protection.	Bonfini, L.P.		Government (Non-U.S.)	European Comission

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Bonte, W.	2011	What do scientists think about commercialization activities?	Pp. 337–353 in Handbook of Research on Innovation and Entrepreneurship, D.B. Audretsch, O. Falck, S. Heblich, and A. Lederer, eds. Northampton, MA: Edward Elgar Publishing.	Bonte, W.		Not Reported	
Borlaug, N.E	2000	Ending world hunger: The promise of biotechnology and the threat of antiscience zealotry	Plant Physiology 124:487–490.	Borlaug, N.E.	International Maize and Wheat Improvement Center	Not Reported	
Bozeman, B.	2002	. Public value failure: When efficient markets may not do	Public Administration Review 62:145–161	Bozeman, B.	Georgia Institute of Technology	Not Reported	
Brandth, B.	2006	Agricultural body-building: Incorporations of gender, body and work	Journal of Rural Studies 22:17–27.	Brandth, B.	Norwegian University of Science & Technology	Not Reported	
Breimyer, H.F.	1965	On classifying our kind	Journal of Farm Economics 47:464–465	Breimyer, H.F.		Not Reported	

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Bruneel, J. et al.	2010	Investigating the factors that diminish barriers to university-Industry collaboration	Research Policy 39:858–868	Bruneel, J.P.	Imperial College London Consejo Superior de Investigaciones Cientificas (CSIC) Universitat Politecnica de Valencia	Government (Non-U.S.)	The UK's Economic and Social Research Council and Engineering and Physical Sciences Research Council The UK Innovation Research Centre, BIS, TSB, ESRC and NESTA Generalitat Valenciana
Buccola, et al.	2009	Research choice and finance in university bioscience	Southern Economic Journal 75:1238–1255.	Buccola, S.	Oregon State University	Not Reported	
Busch, L. et al.	1991	Plants, Power, and Profits: Social, Economic, and Ethical Consequences of the New Biotechnologies	Oxford, UK: Basil Blackwell.	Busch, L.	Michigan State University	N/A	
Byerlee, D. and K. Deininger	2013	The rise of large farms in land abundant countries: Do they have a future?	Chapter 14 in Land Tenure Reform in Asia and Africa: Assessing Impacts on Poverty and Natural Resource Management	Byerlee, D.	International Food Policy Research Institute	Government (Non-U.S.)	Norwegian ESSD Trust Fund
						Nonprofit	Program on Forests (PROFOR)
						Foundation	Hewlett Foundation

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CAC (Codex Alimentarius Commission)	2011	Compilation of Codex Texts Relevant to Labelling of Food Derived from Modern Biotechnology.	Doc CAC/GL 76-2011. Rome: World Health Organization and Food and Agriculture Organization.	CAC (Codex Alimentarius Commission)		N/A	
Cahoy, D.R. and Glenna, L.	2009	Private ordering and public energy innovation policy	Florida State University Law Review 36:415–458	Cahoy, D.R.	Pennsylvania State University	Not Reported	
Carolan, M.	2012	The Sociology of Food and Agriculture	Abingdon, UK: Routledge.	Carolan, M.	Colorado State University	Not Reported	
Carpenter, D. and M.M. Ting	2005	The political logic of regulatory error	Nature Reviews Drug Discovery 4:819–823.	Carpenter, D.	Harvard University	Academia	Harvard University
						Foundation	National Science Foundation
Carpenter, D. and M.M. Ting	2007	Regulatory errors with endogenous agendas	American Journal of Political Science 51:835–852.	Carpenter, D.	Harvard University	Not Reported	

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Carter, N.	2015	Nonbrowning Arctic® Apples: Examining One of the First Biotech Crops with a Consumer-Oriented Trait	Webinar presentation to the National Academy of Sciences' Committee on Genetically Engineered Crops: Past Experience and Future Prospects, April 21.	Carter, N.		N/A	
Carter, C.A. and G.P. Grùère	2012	. New and existing GM crops: In search of effective stewardship and coexistence.	Northeastern University Law Journal 4:169–207.	Carter, C.A.	Univeristy of California, Davis	Not Reported	
CBAN (Canadian Biotechnology Action Network)	2015	2015 consumer poll	Available at http://www.cbancan.ca/GMO-Inquiry-2015/2015-Consumer-Poll . Accessed November 4, 2015.	CBAN (Canadian Biotechnology Action Network)		N/A	

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Center for Food Safety, et al.	2013	Opinion. 2013. United States Court of Appeals for the Ninth Circuit. No. 12-15052, Case #: 3:11-cv-01310-SC. Decided May 17, 2013	Available at http://cdn.ca9.uscourts.gov/datastore/opinions/2013/05/17/12-15052.pdf . Accessed November 6, 2015	Judge Schroeder		N/A	
Chambers, J.A. et al.	2014	GM Agricultural Technologies for Africa: A State of Affairs	Washington, DC: IFPRI.	Chambers, J.A.	International Food Policy Research Institute	Industry	The African Development Bank
Chiappe, M.B. and C.B. Flora	1998	Gendered elements of the alternative agriculture paradigm	Rural Sociology 63:372–393.	Chiappe, M.B.	Iowa State University	Not Reported	
Choudhary, B. et al.	2014	The Status of Commercialized Bt Brinjal in Bangladesh.	Ithaca, NY: International Service for the Acquisition of Agri-biotech Applications.	Choudhary, B.	ISAAA South Asia Office	Not Reported	
Cochrane, W.W.	1958	Farm Prices: Myth and Reality	St. Paul: University of Minnesota Press	Cochrane, W.W.	Cornell University	Not Reported	
Colson, G. & Huffman, W.E.	2011	Consumers' willingness to pay for genetically modified foods with product-enhancing nutritional attributes	American Journal of Agricultural Economics 93:358–363	Colson, G.	University of Georgia	Industry	J.R. Simplot Corporation
						Academia	BIGMAP program Iowa Agriculture Experiment Station

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Colson, G. and M.C. Rousu	2013	What do consumer survey sand experiments reveal and conceal about consumer preferences for genetically modified foods?	GM Crops & Food 3:158–165	Colson, G.	University of Georgia	Not Reported	
Connor, J.M., et al.	1985	The Food Manufacturing Industries: Structure, Strategies, Performance, and Policies	Lexington, MA: Lexington Books	Connor, J.M.	Purdue University	Not Reported	
Costa-Font, M., et al.	2008	Consumer acceptance, valuation of and attitudes towards genetically modified food: Review and implications for food policy	Food Policy 33:99–111	Costa-Font, M.	IRTA	Government (Non-U.S.)	European Commission
Cotter, J.	2014	GE Crops – Necessary?	Presentation to the National Academy of Sciences’ Committee on Genetically Engineered Crops: Past Experience and Future Prospects, September 16, Washington, DC	Cotter, J.	N/A	N/A	
Cowan, T.	2013	Unapproved Genetically Modified Wheat Discovered in Oregon: Status and Implications	Washington, DC: Congressional Research Service	Cowan, T.	Congressional Research Service	Government (U.S.)	Congressional Research Service

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Crowder, D.W. and Reganold, J.P.	2015	Financial competitiveness of organic agriculture on a global scale	Proceedings of the National Academy of Sciences of the United States of America 112:7611–7616.	Crowder, D.W.	Washington State University	Not Reported	
Dannenber, A.	2009	The dispersion and development of consumer preferences for genetically modified food—a meta-analysis	Ecological Economics 68:2182–2192	Dannenber, A.	Centre for European Economic Research	Not Reported	
Davidson, S.N.	2008	Forbidden fruit: Transgenic papaya in Thailand.	Plant Physiology 147:487–493	Davidson, S.N.	Cornell University	Not Reported	
Demont, M., et al.	2004	Biodiversity versus transgenic sugar beets—The one Euro question	European Review of Agricultural Economics 31:1–18.	Demont, M.	University of Leuven	Academia	The VIP-Flanders Interuniversity Institute for Biotechnology
						Government (Non-U.S.)	European Union under the EUWAB and ECOGEN projects
Deodhar, S.Y et al.	2007	Emerging markets for GM foods: An Indian perspective on consumer understanding and willingness to pay	International Journal of Biotechnology 10:570–587.	Deodhar, S.Y.	Indian Institute of Management	Not Reported	

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Dhar, T. and J. Foltz	2007	The impact of intellectual property rights in the plant and seed Industry	Pp. 161–171 in J.P. Kesan, ed. Agricultural Biotechnology and Intellectual Property: Seeds of Change. Cambridge, MA: CABI International.	Dhar, T.	University of British Columbia	N/A	
DiMasi, J.A., et al.	2003	The price of innovation: New estimates of drug development costs	Journal of Health Economics 22:151–185.	DiMasi, J.A.	Tufts University	Not Reported	
Dowd-Uribe, B.	2014	Engineering yields and inequality? How institutions and agro-ecology shape Bt cotton outcomes in Burkina Faso	Geoforum 53:161–171	Dowd-Uribe, B.	University for Peace, Costa Rica	N/A	
Dowd-Uribe, B.	2015	Agricultural Development, Donors and Transgenetics in Sub-Saharan Africa	Webinar presentation to the National Academy of Sciences' Committee on Genetically Engineered Crops: Past Experience and Future Prospects, April 30.	Dowd-Uribe, B.	University for Peace, Costa Rica	N/A	

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Dowd-Uribe, B.	2016	Burkina Faso's reversal on genetically modified cotton and the implications for Africa	African Affairs 115:161–172	Dowd-Uribe, B.	University of San Francisco	Government (Non-U.S.)	Social Sciences and Humanities Research Council of Canada
Eaton, D., et al.	2006	'The effects of strengthened IPR regimes on the plant breeding sector in developing countries'	Contributed paper prepared for presentation at the International Association of Agricultural Economists' 2006 conference, August 12-18, Queensland, Australia.	Eaton, D.	Agricultural Economics Research Institute	N/A	
EC (European Commission)	2009	Report from the Commission to the Council and the European Parliament on the Coexistence of Genetically Modified Crops with Conventional Organic Farming.	Available at http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=COM:2009:0153:FIN:en:PDF . Accessed November 5, 2015.	EC (European Commission)		N/A	
Endicott, S.	2014		Presentation to the Committee	Endicott, S.	DuPont Pioneer	N/A	
Endres, A.B.	2008	Coexistence strategies, the common law of biotechnology and economic liability risks	Drake Journal of Agricultural Law 13:115.	Endres, A.B.	University of Illinois	N/A	

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Endres, A.B.	2012	An evolutionary approach to agricultural biotechnology: Litigation challenges to the regulatory and common law regimes for genetically engineered plants	Northeastern University Law Journal 4:59–87	Endres, A.B.	University of Illinois	N/A	
Ervin, D. and R. Jussaume	2014	Integrating social science into managing herbicide-resistant weeds and associated environmental impacts	Weed Science. 62:403-414	Ervin, D.	Portland State University	Not Reported	
Ervin, D.E., et al.	2000	Transgenic Crops: An Environmental Assessment	Washington, DC: Henry A. Wallace Center for Agricultural & Environmental Policy at Winrock International	Ervin, D.	Portland State University	Not Reported	
Etzkowitz, H.	2001	Beyond the endless frontier: From the land grant to the entrepreneurial university	Pp. 3–26 in Knowledge Generation and Technical Change: Institutional Innovation in Agriculture, S. Wolf and D. Zilberman, eds. Boston: Kluwer Academic Publishers.	Etzkowitz, H.		N/A	

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EUROSTAT	2014	Farm structure: Historical data	Available at http://ec.europa.eu/eurostat/web/agriculture/data/main-tables . Accessed August 6, 2015.	EUROSTAT		N/A	
Evans, B. and M. Lupescu	2012	Canada: Agricultural Biotechnology Annual – 2012.	U.S. Department of Agriculture–Foreign Agricultural Service. Available at http://gain.fas.usda.gov/Recent%20GAIN%20Publications/Agricultural%20Biotechnology%20Annual_Ottawa_Canada_07-20-2012.pdf . Accessed November 10, 2015.	Evans, B.		Government (U.S.)	U.S. Department of Agriculture–Foreign Agricultural Service
Evenson, R and Gollin, D	2003	Assessing the Impact of the Green Revolution, 1960 to 2000	Science 300(5620):758–62.	Evenson, R.	Yale University	Not Reported	

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Excellence Through Stewardship	2008	Guide for Maintaining Plant Product Integrity of Biotechnology-Derive Plant Products	Available at http://excellencethroughstewardship.org/wp-content/uploads/MPPI-Final-Board-Approved-6.12.14.pdf . Accessed June 17, 2015	Excellence Through Stewardship		N/A	
Falck-Zepeda, J.	2006	Coexistence, genetically modified biotechnologies and biosafety: implications for developing countries	American Journal of Agricultural Economics 88:1200–1208	Falck-Zepeda, J.	International Food Policy Research Institute	Not Reported	
Falck-Zepeda, J.B., et al.	2000	Rent creation and distribution from biotechnology innovations: The case of Bt cotton and herbicide-tolerant soybeans in 1997	Agribusiness 16:21–32	Falck-Zepeda, J.B.	International Food Policy Research Institute	Not Reported	
Falck-Zepeda, J. B, et al.	2009	La biotecnología agropecuaria en América Latina: Una visión cuantitativa	Washington, D.C. International Food Policy Research Institute.	Falck-Zepeda, J.B.	International Food Policy Research Institute	Not Reported	

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Falck-Zepeda, J.B., et al.	2012	Estimates and implications of the costs of compliance with biosafety regulations in developing countries: The case of the Philippines and Indonesia.	GM Crops & Food: Biotechnology and Agriculture in the Food Chain 3:52–59.	Falck-Zepeda, J.B.	International Food Policy Research Institute	Not Reported	
FAO (Food and Agriculture Organization)	2011	The State of the World's Land and Water Resources for Food and Agriculture: Managing Systems at Risk.	Rome and London: FAO and Earthscan	FAO (Food and Agriculture Organization)		N/A	
FAO (Food and Agriculture Organization)	2013	FAO Statistical Yearbook 2013: World Food and Agriculture.	Rome:FAO	FAO (Food and Agriculture Organization)		N/A	
FAO (Food and Agriculture Organization)	2014	Technical Consultation on Low Levels of Genetically Modified (GM) Crops in International Food and Feed Trade.	Available at: http://www.fao.org/fileadmin/user_upload/agns/topics/LLP/AGD803_6_Report_En.pdf	FAO (Food and Agriculture Organization)		N/A	
FAO (Food and Agriculture Organization)	2015	The State of Food Insecurity in the World 2015, Meeting the 2015 international hunger targets: taking stock of uneven progress	Rome, Italy: FAO	FAO (Food and Agriculture Organization)		N/A	
FAOSTAT	2015	World total economically active population in agriculture	Available at http://faostat3.fao.org/browse/Q/QC/E . Accessed November 11, 2015.	FAO (Food and Agriculture Organization)		N/A	

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Feder, G. and G. O'Mara	1981	Farm size and the diffusion of green revolution technology	Economic Development and Cultural Change 30:59–76	Feder, G.	World Bank	Not Reported	
Feder, G, et al.	1982	Adoption of agricultural innovation in development countries.	Washington, DC: World Bank.	Feder, G.	World Bank	Not Reported	
Feder, G, et al.	1985	Adoption of agricultural innovation in development countries.	Economic Development and Cultural Change 33:255–298	Feder, G.	World Bank	Not Reported	
Federoff, N.V.	2011	Engineering Food for All Online. The New York Times. Engineering Food for All. Online. The New York Times	Available at http://www.nytimes.com/2011/08/19/opinion/genetically-engineered-food-for-all.html?_r=0 . Accessed December 21, 2015	Federoff, N.V.	New York Times	N/A	
Feldman, S. and R. Welsh	1995	Feminist knowledge claims, local knowledge, and gender divisions of agricultural labor – constructing a successor science	Rural Sociology 60:23–43	Feldman, S.	Cornell University	Government (U.S.)	U.S. Department of Agriculture-Economic Research Service

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Fermin, G. and P. Tennant	2011	Opportunities and constraints to biotechnological applications in the Caribbean: Transgenic papayas in Jamaica and Venezuela	Plant Cell Reports 30:681–687	Fermin, G.	University of Los Andes Venezuela	Not Reported	
Fernandez-Cornejo, J.	2004	The Seed Industry in U.S. Agriculture: An Exploration of Data and Information on Crop Seed Markets, Regulation, Industry Structure, and Research and Development	Washington, DC: U.S. Department of Agriculture–Economic Research Service	Fernandez-Cornejo, J.	U.S. Department of Agriculture	Not Reported	
Fernandez-Cornejo, J., and R.E. Just	2007	Researchability of modern agricultural input markets and growing concentration	American Journal of Agricultural Economics 89:1269–1275.	Fernandez-Cornejo, J.	U.S. Department of Agriculture	Government (U.S.)	U.S. Department of Agriculture
Fernandez-Cornejo, J., and S. Wechsler	2012	Revisiting the Impact of Bt Corn Adoption by U.S. Farmers	Agricultural and Resource Economics Review 41/3 (December 2012) 377–390	Fernandez-Cornejo, J.	U.S. Department of Agriculture	Government (U.S.)	U.S. Department of Agriculture
Fernandez-Cornejo, J., et al.	2005	“Technology Adoption and Off-Farm Household Income: The Case of Herbicide-Tolerant Soybeans.”	Journal of Agricultural and Applied Economics 37(2): 549–563	Fernandez-Cornejo, J.	U.S. Department of Agriculture	Government (U.S.)	U.S. Department of Agriculture

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Fernandez-Cornejo, J., et al.	2014	Genetically Engineered Crops in the United States	Washington, DC: United States Department of Agriculture–Economic Research Service	Fernandez-Conejo, J.	U.S. Department of Agriculture	Not Reported	
Finger, R. et al.	2011	A meta-analysis on farm-level costs and benefits of GM crops	Sustainability 3:743–762	Finger, R.	Swiss Federal Institute of Technology Zurich	Government (Non-U.S.)	European Commission
Fischer, K., et al.	2015	Social impacts of GM crops in agriculture: A systematic literature review	. Sustainability 7:8598–8620	Fischer, K.	Swedish University of Agricultural Sciences	Foundation	Mistra-The Swedish Foundation for Strategic Environmental Research under Grant Mistra Biotech
Fitzgerald, D.	1993	Farmers deskilled: Hybrid corn and farmers' work	Technology and Culture 34:324–343	Fitzgerald, D.	Massachusetts Institute of Technology (MIT)	Not Reported	
Fok, M., et al.	2005	Diffusion du coton génétique- ment modifié en Chine: Leçons sur les facteurs et limites d'un succès	Economie Rurale 285:5–32	Fok, M.	CIRAD et UMR Moïsa, Montpellier, France	Not Reported	
Fok, M., et al.	2007	Contextual appraisal of GM cotton diffusion in South Africa	Life Science International Journal 1:468–482	Fok, M.	CIRAD et UMR Moïsa, Montpellier, France	Not Reported	
Fraley, R.	2014	Committee discussion with presenters at the National Academy of Sciences' Committee on Genetically Engineered Crops: Past Experience and Future Prospects,	December 10, Washington, DC.	Fraley, R.	N/A	N/A	

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Francisco, S.R, et al.	2012	Potential poverty reducing impacts of Bt eggplant adoption in the Philippines	Philippine Journal of Crop Science 37:30–39.	Francisco, S.R.	Philippine Rice Research Institute	Government (U.S.)	U.S. Agency for International Development
Frewer L.J., et al.	2011	Consumer response to novel agri-food technologies: Implications for predicting consumer acceptance of emerging food technologies	Trends in Food Science & Technology 22:442-456.	Frewer, L.J.	Newcastle University - UK Wageningen University & Research Center	Government (Non-U.S.)	European branch of the International Life Sciences Institute
Fuglie, K.O. and A.A. Toole	2014	The evolving institutional structure of public and private agricultural research	American Journal of Agricultural Economics 96:862–883	Fuglie, K.O.	U.S. Department of Agriculture	Government (U.S.)	U.S. Department of Agriculture
Fuglie, K, et al.	2012	The contribution of private Industry to agricultural innovation	Science 338:1031–1032.	Fuglie, K.O.	U.S. Department of Agriculture	Government (U.S.)	U.S. Department of Agriculture
Ganiere, P.	2004	Consumer attitudes towards genetically modified foods in emerging markets: The impact of labeling in Taiwan	International Food and Agribusiness Management Review 7:1–20.	Ganiere, P.	Ohio State University	Not Reported	
Garcia-Yi, J., et al.	2014	What are the socio-economic impacts of genetically modified crops worldwide? A systematic map protocol	Environmental Evidence 3:1–17	Garcia-Yi, J.	Technische Universitaet Muenchen	Nonprofit	GRACE
Gardner, J.G., et al.	2009	Genetically modified crops and household labor savings in US crop production	AgBioForum 12:303–312	Gardner, J.G.	Middle Tennessee State University	Not Reported	

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Geertson Farms Inc., et al.	2007	U.S. District Court for the Northern District of California. C 06-01075 CRB, Case #: 3:06-cv-01075-CRB. Decided May 3, 2007	Available at http://www.centerforfoodsafety.org/files/199_permanent_injunction_order.pdf . Accessed September 23, 2015.	Judge Breyer		N/A	
Gering, T. and U. Schmoch	2003	Management of intellectual assets by German public research organizations	Pp. 169–188 in Turning Science into Business: Patenting and Licensing at Public Research Organisations . Paris, France: OECD Publishing	Gering, T.	Fraunhofer	Not Reported	
Gerpacio, R.V. and A.P. Aquino	2014	Socioeconomic Impacts of <i>Bt</i> Eggplant: <i>Ex-ante</i> case studies in the Philippines. Ithaca, NY and Los Baños, Philippines	International Service for the Acquisition of Agri-biotech Applications and SEAMEO Southeast AsiRegional Center for Graduate Study and Research in Agriculture	Gerpacio, T.V.		Not Reported	

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Giller, K.E., et al.	2011	Communicating complexity: Integrated assessment of trade-offs concerning soil fertility management within African farming systems to support innovation and development	Agricultural Systems 104:191–203	Giller, K.E.	Wageningen University & Research Center	Government (Non-U.S.)	European Union IRDC Canada Dutch International Development Cooperation
						Foundation	Rockefeller Foundation
Glenna, L.L. and D.R. Cahoy	2009	Agribusiness concentration, intellectual property, and the prospects for rural economic benefits from the emerging biofuel economy	Southern Rural Sociology 24:111–129.	Glenna, L.L.	Pennsylvania State University	Not Reported	
Glenna, L.L. et al.	2007	University administrators, agricultural biotechnology, and academic capitalism: Defining the public good to promote university-Industry relationships	Sociological Quarterly 48:141–164	Glenna, L.L.	Pennsylvania State University	Government (Non-U.S.)	Cooperative State Research, Education, and Extension Service
Glenna, L.L. et al.	2015	Intellectual property, scientific independence, and the efficacy and environmental impacts of genetically engineered crops	Rural Sociology 80:147–172	Glenna, L.L.	Pennsylvania State University	Not Reported	
Glover, D.	2010	Exploring the resilience of Bt cotton's 'pro-poor success story.'	Development and Change 41:955–981.	Glover, D.	Wageningen University & Research Center	Academia	CERES–Wageningen research school
						Government (Non-U.S.)	ESRC STEPS Centre
Golan, E., et al.	2000	Economics of Food Labeling	Washington, DC: USDA–Economic Research Service.	Golan, E.	U.S. Department of Agriculture	Not Reported	

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Gonsalves, D.	2014	Hawaii Transgenic Papaya Story: A Public Sector Effort	Webinar presentation to the National Academy of Sciences' Committee on Genetically Engineered Crops: Past Experience and Future Prospects, November 6	Gonsalves, D.	N/A	Not Reported	
Gonsalves, C., et al	2007	The adoption of genetically modified papaya in Hawaii and its implications for developing countries	Journal of Development Studies 43:177–191	Gonsalves, C.	Cornell University	Not Reported	
Gonzales, L.A.	2009	Modern Biotechnology and Agriculture: A History of the Commercialization of Biotech Maize in the Philippines	Los Baños, Philippines: STRIVE Foundation	Gonzales, L.A.	STRIVE Foundation	N/A	

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Gouse, M.	2009	Ten years of Bt cotton in South Africa: Putting the smallholder experience into context.	Pp. 200–224 in Biotechnology and Agricultural Development : Transgenic Cotton, Rural Institutions and Resource-Poor Farmers, R. Tripp. New York: Routledge.	Gouse, M.	University of Pretoria	Not Reported	
Gouse, M.	2012	Farm-level and socio-economic impacts of a genetically modified subsistence crop: The case of smallholder farmers in KwaZulu-Natal, South Africa	Ph.D. dissertation. University of Pretoria	Gouse, M.	University of Pretoria	Not Reported	
Gouse, M., et al.	2005	Bt cotton in KwaZulu Natal: technology triumph but institutional failure	AgBiotechNet 7:1–7	Gouse, M .	University of Pretoria	Not Reported	
Gouse, M., et al.	2006	Three seasons of subsistence insect-resistant maize in South Africa: have smallholders benefited?	AgBioForum 9:15–22.	Gouse, M.	University of Pretoria	Not Reported	
Goven, J. and C.M. Morris	2012	Regulating biopharming: The prism of farmer knowledge	Science as Culture, 21:497–527	Goven, J.	University of Canterbury	Government (Non-U.S.)	Foundation for Research, Science, and Technology/MSI
Graff, G. and D. Zilberman	2001	An intellectual property clearinghouse for agricultural biotechnology	Nature Biotechnology 19:1179–1180.	Graff, G.	University of California Berkeley	Not Reported	

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Graff, G.D., et al.	2003	The public-private structure of intellectual property ownership in agricultural biotechnology	Nature Biotechnology 21:989–995	Graff, G.D.	University of California Berkeley	Not Reported	
Graff, G.D., et al.	2010	The commercialization of biotechnology traits	Plant Science 179:635–644	Graff, G.D.	Colorado State University	Not Reported	
Graff, G. and D. Zilberman.	2016	How the IP-Regulatory Complex affects incentives to develop socially beneficial products from agricultural genomics.	Pp. 68-101 in The Intellectual Property-Regulatory Complex: Overcoming Barriers to Innovation in Agricultural Genomics, E. Marden, R.N. Godfrey, and R. Manion, eds. Vancouver: UBC Press.	Graff, G.	University of California Berkeley	N/A	

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GRAIN	2007	The End of Farm-saved Seed? Industry's Wish List for the Next Revision of UPOV	Available at https://www.grain.org/article/entries/58-the-end-of-farm-saved-seed-Industry-s-wish-list-for-the-next-revision-of-upov . Accessed November 8, 2015.	GRAIN	GRAIN	N/A	
Greene, C. et al.	2016	Economic Issues in the Coexistence of Organic, Genetically Engineered (GE), and Non-GE Crops	Washington, DC: U.S. Department of Agriculture–Economic Research Service	Greene, C.	U.S. Department of Agriculture	N/A	
Grossman, J.M.	2003	Exploring farmer knowledge of soil processes in organic coffee systems of Chiapas, Mexico	Geoderma, 111:267–287	Grossman, J.M.	University of Minnesota	Academia	University of Minnesota
Gruère, G.P.	2011	Asynchronous Approvals of GM Products and the Codex Annex: What Low Level Presence Policy for Vietnam?	Washington, DC: International Food & Agricultural Trade Policy Council	Gruère, G.P.	International Food Policy Research Institute	Industry	Croplife International
						Government (U.S.)	U.S. Agency for International Development

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Gruère, G.P. and D. Sengupta	2010	Reviewing South Africa's marketing and trade policies for genetically modified products	Development Southern Africa 27:333–352	Gruère, G.P.	International Food Policy Research Institute	Not Reported	
Gruère, G.P, et al.	2008	What labelling policy for consumer choice? The case of genetically modified food in Canada and Europe	What labelling policy for consumer choice? The case of genetically modified food in Canada and Europe	Gruère, G.P.	International Food Policy Research Institute	Not Reported	
Gurian-Sherman, D.	2014	Remarks to the National Academy of Sciences' Committee on Genetically Engineered Crops: Past Experience and Future Prospects, September 16, Washington, DC.	Presentation to the committee	Gurian-Sherman, D.	Center for Food Safety	N/A	
Gusta, M., et al	2011	Economic benefits of genetically-modified herbicide-tolerant canola for producers	AgBioForum 14:1–13	Gusta, M.	University of Saskatchewan	Nonprofit	GenomeCanada
						Government (Non-U.S.)	Network of Centres of Excellence for Advanced Foods and Materials (AFMNet)
Halewood, M.	2013	What kinds of goods are plant genetic resources for food and agriculture? Towards the identification and development of a new global commons	International Journal of the Commons 7:278–312	Halewood, M.	Bioversity International, IT	Nonprofit	Genetic Resources Policy Initiative (GRPI 2) Consortium Research Programme on Policies, Institutions and Markets (led by IFPRI)

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Heinenmann, J.A., et al.	2014	Sustainability and innovation in staple crop production in the US Midwest.	International Journal of Agricultural Sustainability 12:71-312.	Heinenmann, J.A.	University of Canterbury	Not Reported	
Heisey, P.W. et al.	2002	Privatization of Plant Breeding in Industrialized Countries: Causes, Consequences and the Public Sector Response	Washington, DC: U.S. Department of Agriculture–Economic Research Service.	Heisey, P.W.	U.S. Department of Agriculture	Not Reported	
Hendrickson, M.	2015	GE Technology, Farming Systems and the Structure of the Agrifood System. Can Genetically Modified Crops Help African Farmers?	Webinar presentation to the National Academy of Sciences’ Committee on Genetically Engineered Crops: Past Experience and Future Prospects, February 4.	Hendrickson, M.	N/A	N/A	
Hennessy, D.A. and G. Moschini	2006	Regulatory actions under adjustment costs and the resolution of scientific uncertainty	American Journal of Agricultural Economics 88:308–323.	Hennessy, D.A.	Iowa State University	Not Reported	

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Henseler, M., et al.	2013	On the asynchronous approvals of GM crops: Potential market impacts of a trade disruption of EU soy imports	Food Policy 41:166–176.	Henseler, M.	Thunen Inst Rural Studies EC JRC Institute for Prospective Technological Studies (IPTS)	Not Reported	
Herring, R.J.	2016	Stealth seeds: Bioproperty, biosafety, and biopolitics. Pp. 102–139 in The Intellectual Property–Regulatory Complex: Overcoming Barriers to Innovation in Agricultural Genomics	E. Marden, R.N. Godfrey, and R. Manion, eds. Vancouver: UBC Press.	Herring, R.J.		N/A	
HLPE	2013	Investing in smallholder agriculture for food security	A report by the High Level Panel of Experts on Food Security and Nutrition of the Committee on World Food Security, Rome	HLPE		Not Reported	
Hofs, J.-L., et al	2006	Impact of Bt cotton adoption on pesticide use by smallholders: A 2-year survey in Makhatini Flats (South Africa)	Crop Protection 25:984–988	Hofs, L.-L	CIRAD	Not Reported	

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<p>Høiby, M. and J. Zenteno Hopp</p>	<p>2014</p>	<p>Bolivia: Emerging and traditional elite dynamics and its consequences for environmental governance</p>	<p>Pp. 51–70 in Environmental Politics in Latin America: Elite Dynamics, the Left Tide and Sustainable Development , B. Bull and M. Aguilar-Støen, eds. New York: Routledge.</p>	<p>Høiby, M</p>		<p>N/A</p>	
<p>Hoppe. R.A. and P. Korb</p>	<p>2013</p>	<p>Characteristics of Women Farm Operators and Their Farms</p>	<p>Washington, DC: U.S Department of Agriculture– Economic Research Service</p>	<p>Hoppe, R.A.</p>	<p>U.S. Department of Agriculture</p>	<p>Government (U.S.)</p>	<p>U.S. Department of Agriculture</p>

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Horsch, R.	2015	Why Innovation in Agriculture Matters	Webinar presentation to the National Academy of Sciences' Committee on Genetically Engineered Crops: Past Experience and Future Prospects, April 30	Horsch, R.	N/A	N/A	
Horvath, D.	2015	Intellectual Property Rights: A Useful Tool to Enable Broad Benefits for Agriculture.	Webinar presentation to the National Academy of Sciences' Committee on Genetically Engineered Crops: Past Experience and Future Prospects, May 6.	Horvath, D.	N/A	N/A	
Howard, P.H.	2009	Visualizing consolidation in the global seed Industry: 1996–2008	Sustainability 1:1266–1287	Howard, P.H.	Michigan State University	Not Reported	

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Hu, R., et al.	2011	Privatization, public R&D policy, and private R&D investment in China's agriculture	Journal of Agricultural and Resource Economics 36:416–432	Hu, R.	Chinese Academy of Sciences	Government (Non-U.S.)	Chinese Academy of Sciences National Science Foundation of China
Huang, J., R. , et al.	2002	Bt cotton benefits, costs, and impacts in China	AgBioForum 5:153–166	Huang, J.R.	Chinese Academy of Sciences	Academia	Institute of Development Studies of the University of Sussex
						Nonprofit	International Service for national Agricultural Research
						Foundation	Rockefeller Foundation
						Government (Non-U.S.)	National Science Foundation of China
Huang, J., R. , et al.	2002	Transgenic varieties and productivity of smallholder cotton farmers in China	Australian Journal of Agricultural and Resource Economics 46:367–387	Huang, J.R.	Chinese Academy of Sciences	Government (Non-U.S.)	National Natural Science Foundation of China
						Foundation	Rockefeller Foundation
Huang, J., R. , et al.	2002	Agricultural biotechnology development, policy and impact in China	Economic and Political Weekly 37:2756–2761	Huang, J.R.	Chinese Academy of Sciences	Not Reported	
Huang, J., R. , et al.	2003	Biotechnology as an alternative to chemical pesticides: A case study of Bt cotton in China	Agricultural Economics 29:55–67	Huang, J.R.	Chinese Academy of Sciences	Government (Non-U.S.)	National Natural Science Foundation of China
						Foundation	Rockefeller Foundation
Huang, J., R. , et al.	2004	Biotechnology boosts to crop productivity in China: Trade and welfare implications	Journal of Development Economics 75:27–54	Huang, J.R.	Chinese Academy of Sciences	Government (Non-U.S.)	Dutch Ministry of Agriculture, Nature and Fisheries National Science Foundation of China

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Huang, J., R. , et al.	2010	A decade of <i>Bt</i> cotton in Chinese fields: Assessing the direct effects and indirect externalities of Bt cotton adoption in China	Science China Life Sciences 53:981–991.	Huang, J.R.	Chinese Academy of Sciences	Government (Non-U.S.)	National Natural Science Foundation of China Ministry of Agriculture International Development Research Center Chinese Academy of Sciences
Hubbell, B.J. and R. Welsh	1998	Transgenic crops: Engineering a more sustainable agriculture?	Agriculture and Human Values 15:43–56.	Hubbell, B.J.	University of Georgia	Not Reported	
Huffman, W.E. and R.E. Evenson.	2006	Science for Agriculture: A Long-Term Perspective.	Ames, IA: Blackwell Publishing Professional.	Huffman, W.E.	Iowa State University	Not Reported	
Ingram, J.	2008	Agronomist–farmer knowledge encounters: An analysis of knowledge exchange in the context of best management practices in England	Agriculture and Human Values 25:405–418.	Ingram, J.	University of Gloucestershire	Government (Non-U.S.)	Economic and Social Research Council (UK)
IPCC (Intergovernmental Panel on Climate Change)	2014	Climate Change 2014: Synthesis Report. Contribution of Working Groups I, II and III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change	Geneva: IPCC	IPCC (Intergovernmental Panel on Climate Change)	N/A	N/A	

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Islam, S.M.F. and G.W. Norton	2007	Bt eggplant for fruit and shoot borer resistant in Bangladesh	Pp. 91–106 in Economic and Environmental Benefits and Costs of Transgenic Crops: Ex-Ante Assessment, C. Ramasamy, K.N. Selvaraj, G.W. Norton, and K. Vijayaraghavan, eds. Coimbatore, India: Tamil Nadu Agricultural University.	Islam, S.M.F.	Bangabandhu Sheikh Mujibur Rahman Agricultural University	Not Reported	
James, C.	2012	Global Status of Commercialized Biotech/GM Crops: 2012	Ithaca, NY: International Service for the Acquisition of Agri-biotech Applications.	James, C.	International Service for the Acquisition of Agri-biotech Applications (ISAAA)	Not Reported	
Janis, M.D. and J.P. Kesan	2002	Intellectual property protection for plant innovation: Unresolved issues after J.E.M. v. Pioneer	Nature Biotechnology 20:1161–1164	Janis, M.D.	University of Iowa	Not Reported	
Jayne, T.S, et al	2010	Principal challenges confronting smallholder agriculture in Sub-Saharan	World Development 38:1384–	Jayne, T.S.	Michigan State University	Government (U.S.)	U.S. Agency for International Development

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		Africa. Part of a special issue: The future of small farms	1398			Foundation	Rockefeller Foundation
Jefferson, R.	2006	Science as social enterprise: The CAMBIA BIOS initiative	Innovations 1:13–44	Jefferson, R	CAMBIA-BIOS	Not Reported	
Jefferson, D.J., et al.	2015	The emergence of agbiogenetics.	Nature Biotechnology 33:819-823.	Jefferson, D.J.	University of California, Davis	Not Reported	
Johnson, W.G., et al	2009	U.S. farmer awareness of glyphosate-resistant weeds and resistance management strategies.	Weed Technology 23:308–312.	Johnson, W.G.	Purdue University	Not Reported	
Juma, C.	2011	Science meets farming in Africa	Science 334:1323	Juma, C.	Harvard University	Not Reported	
Kalaitzandonakes, N.	2011	The Economic Impacts of Asynchronous Authorizations and Low Level Presence: An Overview.	Washington, DC: International Food & Agricultural Trade Policy Council.	Kalaitzandonakes, N.	University of Missouri	Industry	Croplife International
						Academia	University of Missouri
Kalaitzandonakes, N., et al.	2007	Compliance costs for regulatory approval of new biotech crops.	Nature Biotechnology 25:509–511	Kalaitzandonakes, N.	University of Missouri	Not Reported	
Kalaitzandonakes, N., et al	2010	“A Worrisome Crop? Is there Market Power in the Seed Industry?”	Regulation. Winter: 20-26	Kalaitzandonakes, N.	University of Missouri	Not Reported	
Kathage, J. and M. Qaim	2012	Economic impacts and impact dynamics of Bt (Bacillus thuringiensis) cotton in India	Proceedings of the National Academy of Sciences of the United States of America 109:11652–11656.	Kathage, J.	University of Gottingen	Government (Non-U.S.)	German Research Foundation
						Nonprofit	German Agricultural Society

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Kershen, D.L.	2003	Of straying crops and patent rights	Washburn Law Journal 43:575	Kershen, D.L.	University of Oklahoma, College of Law	Not Reported	
Key, N. and J. MacDonald	2006	Agricultural contracting: Trading autonomy for risk reduction	Amber Waves 4:26–31.	Key, N.	U.S. Department of Agriculture - Economic Research Service	Not Reported	
Kikulwe, E., et al	2008	GM banana in Uganda: Social benefits, costs, and consumer perceptions	Washington, DC: International Food Policy Research Institute	Kikulwe, E.	International Food Policy Research Institute	Not Reported	
Kinchy, A.	2012	Seeds, Science, and Struggle: The Global Politics of Transgenic Crops	Cambridge: MIT Press.	Kinchy, A.	Rensselaer Polytechnic Institute	N/A	
King, J.L. and P.W. Heisey	2007	Public provision of knowledge for policy research: The agricultural biotechnology intellectual property database	Pp. 132-140 in Agricultural Biotechnology and Intellectual Property: Seeds of Change, J.P. Kesan, ed. Cambridge, MA: CABI International.	King, J.L.	U.S. Department of Agriculture	Not Reported	
Kloppenborg, J.R., Jr.	2004	First the Seed: The Political Economy of Plant Biotechnology: 1942 to 2000.	Madison: University of Wisconsin Press.	Kloppenborg, J.R., Jr.		Not Reported	
Kloppenborg, J.R., Jr.	2010	Impeding dispossession, enabling repossession: Biological open source and the recovery of seed sovereignty.	Journal of Agrarian Change 10:367–388.	Kloppenborg, J.R., Jr.	University of Wisconsin Madison	Not Reported	

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Klümper, W. and M. Qaim	2014	A meta-analysis of the impacts of genetically modified crops	PLoS One 9:e111629.	Klumper, W.	University of Gottingen	Government (Non-U.S.)	German Federal Ministry of Economic Cooperation and Development (BMZ) European Union's Seventh Framework Programme (FP7)
Kniss, A.R.	2010	Comparison of conventional and glyphosate-resistant sugarbeet the year of commercial introduction in Wyoming	Journal of Sugar Beet Research 47:127–134	Kniss, A.R.	University of Wyoming	Not Reported	
Kolady, D.E. and W. Lesser	2006	Who adopts what kind of technologies? The case of Bt eggplant in India	AgBioForum 9:94–103	Kolady, D.E.	Cornell University	Foundation	Ford Foundation Fellowships Program International
						Government (U.S.)	Agricultural Biotechnology Support Program (ABSP II) of Unites States Agency for International Development (USAID)
Kolady, D.E. and Lesser, W.	2009	‘But are they meritorious? Genetic productivity gains under plant intellectual property rights’	Agricultural Economics, Vol. 60, (2009) pp. 62–79.	Kolady, D.E.	Cornell University	Not Reported	
Kolady, D., and W. Lesser	2012	Genetically-engineered crops and their effects on varietal diversity: A case of Bt eggplant in India	Agriculture and Human Values 29:3–15	Kolady, D.E.	International Food Policy Research Institute	Government (U.S.)	U.S. Agency for International Development
Kolady, D.E., et al.	2012	The impact of seed policy reforms and intellectual property rights on crop productivity in India.	Journal of Agricultural Economics 63:361-384.	Kolady, D.E.	Cornell University	Government (U.S.)	U.S. Agency for International Development
						Foundation	Bill and Melinda Gates Foundation

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Krishna, V.V. and M. Qaim	2008	Potential impacts of Bt eggplant on economic surplus and farmers' health in India	Agricultural Economics 38:167–180	Krishna, V.V.	University Hohenheim	Government (U.S.)	U.S. Agency for International Development
						Government (Non-U.S.)	German Research Foundation
Krishna, V.V., et al.	2016	Transgenic crops, production risk, and agrobiodiversity.	European Review of Agricultural Economics 38:167-180.	Krishna, V.V.	University Hohenheim	Government (Non-U.S.)	German Research Foundation German Federal Ministry of Economic Cooperation and Development
Kumar, S., et al	2010	Economic Benefits of Bt Brinjal—An Ex-ante Assessment	New Delhi: National Centre for Agricultural Economics and Policy Research			Not Reported	
Lang, J.T.	2013	Elements of public trust in the American food system: Experts, organizations, and genetically modified food	Food Policy 41:145–154	Lang, J.T.	Occidental College	Government (U.S.)	U.S. Department of Agriculture
Lang, J.T. and W.K. Hallman	2005	Who does the public trust? The case of genetically modified food in the United States	Risk Analysis 25:1241–1252	Lang, J.T.	Rutgers University	Government (U.S.)	U.S. Department of Agriculture
Langyintuo, A.S. and P. Setimela	2007	Assessment of the Effectiveness of Maize Seed Assistance to Vulnerable Farm Households in Zimbabwe	Mexico, D.F.: CIMMYT	Langyintuo, A.S.		Not Reported	

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Le Buanec, B.	2005	Enforcement of plant breeders' rights: Opinion of the International Seed Federation.	Paper presented at the Meeting on Enforcement of Plant Breeders' Rights, UPOV/ENFORCEMENT/05/3 (Geneva, Switzerland, October 25).	Le Buanec, B.	Academy of Agriculture of France	Not Reported	
Le Buanec, B. and A. Ricroch	2014	Intellectual property protection of plant innovation	Pp. 59–73 in Plant Biotechnology: Experience and Future Prospects, A. Ricroch, S. Chopra, and S.J. Fleischer, eds. New York, NY: Springer.	Le Buanec, B.	Academy of Agriculture of France	Not Reported	
Leckie, G.J.	1993	Female farmers in Canada and the gender relations of a restructuring agricultural system	Canadian Geographer 37:212–230.	Leckie, G.J.	Western University (University of Western Ontario)	Government (Non-U.S.)	Social Sciences and Humanities Research Council
Lei, Z., R. Juneja, and B.D. Wright	2009	Patents versus patenting: Implications of intellectual property protection for biological research.	Nature Biotechnology 27: 36–40	Lei, Z.	University of California Berkeley	Foundation	Giannini Foundation

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LEI, et al.	2010	Study on the Implications of Asynchronous GMO Approvals for EU Imports of Animal Feed Products: Executive Summary	Available at http://ec.europa.eu/agriculture/analysis/external/asynchronous-gmo-approvals/summary_en.pdf . Accessed November 6, 2015.	LEI		Not Reported	
Levins, R.A. and W.W. Cochrane	1996	The treadmill revisited	Land Economics 72:550–553	Levins, R.A.	University of Minnesota Twin Cities	Not Reported	
Livingston, M, J., et al.	2015	Economics of Glyphosate Resistance Management in Corn and Soybean Production	Washington, DC: U.S. Department of Agriculture–Economic Research Service.	Livingston, M.J.	U.S. Department of Agriculture	Not Reported	
Llewellyn, R.S. and D.J. Pannell	2009	Managing the herbicide resource: An evaluation of extension on management of herbicide-resistant weeds	AgBioForum 12:358–369	Llewellyn, R.S.	CSIRO Sustainable Ecosystems, Adelaide	Academia	Grains Research and Development Corporation through funding of the Western Australian Herbicide Resistance Initiative at the University of Western Australia
						Government (Non-U.S.)	CRC for Australian Weed management

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Lobao, L. and C. Stofferahn	2008	The community effects of industrialized farming: Social science research and challenges to corporate farming laws	Agriculture and Human Values 25:219–240	Lobao, L.	Ohio State University	Not Reported	
Lopez, R. and G. I. Galinato	2007	Should governments stop subsidies to private goods? Evidence from rural Latin America	Journal of Public Economics 91:1071–1094	Lopez, R.	University of Maryland	Not Reported	
Lowder, S.K., et al.	2014	What do we really know about the number and distribution of farms and family farms worldwide?	Background paper for The State of Food and Agriculture 2014. Rome: FAO.	Lowder, S.K.	Food and Agriculture Organization	N/A	
Lueck, S, et al.	2000	“Corn Recall Cost Could Reach Into the Hundreds of Millions.”	<u>The Wall Street Journal</u> . <u>November 3</u> . <u>(Accessed: 3/4/16</u> . <u>http://www.wsj.com/articles/SB973211373330867246#articleTabs%3Darticle</u>)	Lueck, S.	Wall Street Journal	N/A	

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Lusk, J.L.	2011	Consumer preferences for genetically modified food	Pp. 243–262 in Genetically Modified Food and Global Welfare, C.A. Carter, G.C. Moschini, and I. Sheldon, eds. Bingley, UK: Emerald Group Publishing.	Lusk, J.L.	Oklahoma State University - Stillwater	Not Reported	
Lusk, J.L., et al.	2005	A meta-analysis of genetically modified food valuation studies	Journal of Agricultural and Resource Economics 30:28–44.	Lusk, J.L.	Purdue University	Not Reported	
Luttrell, R.G. and R.E. Jackson	2012	<i>Helicoverpa zea</i> and Bt cotton in the United States.	GM Crops and Food: Biotechnology in Agriculture and the Food Chain 3:213–227.	Luttrell, R.G.	U.S. Department of Agriculture	Not Reported	
Lyson, T.A.T., et al.	2001	Lyson, T.A.T.,	Social Forces 80:311–327.	Lyson, T.A.T.	Cornell University	Not Reported	
MacDonald, J.M., et al	2013	Farm Size and the Organization of U.S. Crop Farming, ERR-152	Washington, DC: U.S. Department of Agriculture–Economic Research Service	MacDonald, J.M.	U.S. Department of Agriculture	Government (U.S.)	U.S. Department of Agriculture

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Macnaghten P. and S. Carro-Ripalda	2015	Governing Agricultural Sustainability: Global Lessons from GM Crops	New York: Routledge	Macnaghten P.		Not Reported	
Manalo, A.J., and G.P. Ramon	2007	The cost of product development of Bt corn event MON810 in the Philippines	AgBioForum 10:19–32.	Manalo, A.J.	Biotechnology Coalition of the Philippines (BCP)	Nonprofit	Program for Biosafety Systems International Food Policy Research Institute
Mandryk, M., et al.	2012	Scenarios of long-term farm structural change for application in climate change impact assessment	Landscape Ecology 27:509–527	Mandryk, M.	Wageningen University & Research Center	Academia	Wageningen University AgriADAPT
Mannion, A.M., and S. Morse	2013	GM Crops 1996-2012: A Review of Agronomic, Environmental and Socioeconomic Impacts	Working Paper 04/13. Center for Environmental Strategy, University of Surrey. Available at https://www.surrey.ac.uk/ces/files/pdf/04-13%20Morse_Mannion_GM%20Crops.pdf . Accessed May 9, 2016.	Mannion, A.M.	University of Reading	Not Reported	

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Marra, M. and N. Piggott	2006	The value of non-pecuniary characteristics of crop biotechnologies: A new look at the evidence	Pp. 145–178 in Regulating Agricultural Biotechnology: Economics and Policy, Natural Resource Management and Policy, Vol. 30, R.E. Just and J.M. Alston, eds. New York: Springer.	Marra, M.	North Carolina State University	Not Reported	
Massarani, L., et al.	2013	O que pensam os pequenos agricultores da argentina sobre os cultivos geneticamente modificados?	Ambiente & Sociedade 16:1–22.	Massarani, L.	Pontifical Catholic University of Rio de Janeiro	Not Reported	
Mauro, I.J. and S.M. McLachlan.	2008	Farmer knowledge and risk analysis: Postrelease evaluation of herbicide-tolerant canola in western Canada	Risk Analysis 28:463–476	Mauro, I.J.	University of Manitoba	Not Reported	

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McCaslin, M.	2015	GE Traits in Alfalfa	Webinar presentation to the National Academy of Sciences' Committee on Genetically Engineered Crops: Past Experience and Future Prospects, April 21.	McCaslin, M.		N/A	
McMichael, P.	2009	Contemporary contradictions of the Global Development Project: Geopolitics, global ecology and the 'development climate.'	Third World Quarterly 30:247-262	McMichael, P.	Cornell University	Not Reported	
McMillan, G.S, et al.	2000	An analysis of the critical role of public science in innovation: The case of biotechnology	Research Policy 29:1-8.	McMillan, G.S.	Penn State Abington	Not Reported	

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McMurdy, J.	2015	GE Crops in USAID/Feed the Future Portfolio	Webinar presentation to the National Academy of Sciences' Committee on Genetically Engineered Crops: Past Experience and Future Prospects, April 30	McMurdy, J.	U.S. Agency for International Development	N/A	
Millar, J. and A. Curtis	1997	Moving farmer knowledge beyond the farm gate: An Australian study of farmer knowledge in group learning	European Journal of Agricultural Education and Extension 4:133–142	Millar, J.	Charles Sturt University	Not Reported	
Millstone, E., et al.	2015	Regulating genetic engineering: The Limits and Politics of Knowledge	Issues in Science and Technology 31:23–26.	Millstone, E.	University of Sussex	Not Reported	
Miraglia, M., et al.	2004	Detection and traceability of genetically modified organisms in the food production chain.	Food and Chemical Toxicology 42:1157–1180.	Miraglia, M.	Istituto Superiore di Sanita	Not Reported	

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Mohan, K.S., et al.	2016	Field resistance to the <i>Bacillus thuringiensis</i> protein CryIAc expressed in Bollgard hybrid cotton in pink bollworm, <i>Pectinophora gossypiella</i> (Saunders), populations in India.	Pest Management Science 72:738-746.	Mohan, K.S.	Monsanto Research Centre	Not Reported	
Monsanto	2015	Farmers to plant largest GM canola crop yet	Available at http://www.monsanto.com/global/au/newsviews/pages/farmers-to-plant-largest-gm-canola-crop-yet.aspx . Accessed November 10, 2015.	Monsanto		Industry	Monsanto Company

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Morse, S.	2009	IPM, ideals and realities in developing countries.	P.p 458–470 in Integrated Pest Management : Concepts, Tactics, Strategies and Case Studies, E.B. Radcliffe, W.D. Hutchison WD, and R.E. Cancelado, eds. Cambridge, UK: Cambridge University Press.	Morse, S.	University of Reading	Not Reported	
Mortensen, D.A, et al.	2012	Navigating a critical juncture for sustainable weed management	Bioscience 62:75–84	Mortensen, D.A.	Penn State University	Not Reported	
Muth, M.K., et al	2012	Model to Estimate Costs of Using Labeling as a Risk Reduction Strategy for Consumer Products Regulated by the Food and Drug Administration	Research Triangle Park, NC: RTI International.	Muth, M.K.		Not Reported	
Mutuc, M., et al	2011	Yields, insecticide productivity, and Bt corn: Evidence from damage abatement models in the Philippines	AgBioForum 14:35–46.	Mutuc, M.	Texas Tech University	Not Reported	

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Mutuc, M., et al.	2013	Which farmers benefit the most from Bt corn adoption? Estimating heterogeneity effects in the Philippines	Agricultural Economics 44:231–239.	Mutuc, M.	Texas Tech University	Not Reported	
Naseem, A, et al.	2005	'Does plant variety intellectual property protection improve farm productivity? Evidence from cotton varieties'. AgBioForum	AgBioForum, Vol. 8, (2005) pp. 100–107	Naseem, A.	International Food Policy Research Institute	Not Reported	
NIH (National Institutes of Health)	1999	Principles and Guidelines for Recipients of NIH Research Grants and Contracts on Obtaining and Disseminating Biomedical Research Resources	Federal Register 64:72090–72096.	NIH (National Institutes of Health)		Government (U.S.)	
NRC (National Research Council)	1997	Intellectual Property Rights and Plant Biotechnology	Washington, DC: National Academy Press	NRC (National Research Council)		National Research Council	
NRC (National Research Council)	2004	A Patent System for the 21st Century	Washington, DC: National Academy Press	NRC (National Research Council)		National Research Council	
NRC (National Research Council)	2010	The Impact of Genetically Engineered Crops on Farm Sustainability in the United States	Washington, DC: National Academy Press	NRC (National Research Council)		National Research Council	
NRC (National Research Council)	2010	Toward Sustainable Agricultural Systems in the 21st Century	Washington, DC: National Academy Press	NRC (National Research Council)		National Research Council	
NRC (National Research Council)	2014	Spurring Innovation in Food and Agriculture: A Review of the USDA Agriculture and Food Research Initiative	Washington, DC: National Academy Press	NRC (National Research Council)		National Research Council	

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OECD (Organisation for Economic Co-operation and Development)	2003	Developing and accessing agricultural biotechnology in emerging countries: Policy options in different country contexts	Part II in Accessing Agricultural Biotechnology in Emerging Economies: Proceedings of the OECD Global Forum on Knowledge Economy. Paris: OECD	OECD (Organisation for Economic Co-operation and Development)		N/A	
Oliver, D.M., et al.	2012	Valuing local knowledge as a source of expert data: Farmer engagement and the design of decision support systems	Environmental Modelling & Software 36:76–85.	Oliver, D.M.	University of Exeter	Academia	Rural Economy and Land Use Program Biotechnology and Biological Sciences Research council Economic and Social Research Council
						Government (Non-U.S.)	Natural Environment Research Council
Paarlberg, R. L.	2008	Starved for Science: How Biotechnology is being Kept Out of Africa	Cambridge, MA: Harvard University Press.	Paarlberg, R.L.	Wellesley College	Not Reported	
Paarlberg, R. and C. Pray	2007	Political actors on the landscape	AgBioForum 10:144–153	Paarlberg, R.L.	Wellesley College	Not Reported	
Pallotini, L., et al.	2004	The genetic anatomy of a patented yellow bean	Crop Science 44:968–977	Pallotini, L.	University of California Davis	Not Reported	

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Pardey, P.G. and N.M. Beintema	2001	Magic Agricultural R&D a Century After Mendel	Washington, DC: International Food Policy Research Institute.	Pardey, P.G.	International Food Policy Research Institute	Not Reported	
Parentoni, S.N., et al.	2013	Implications on the introductions of transgenic in Brazilian maize breeding programs.	Crop Breeding and Applied Biotechnology 13:9-22.	Parentoni, S.N.	Empresa Brasileira de Pesquisa Agropecuaria	Not Reported	
Parisi, C., et al.,	2016	The global pipeline of GM crops out to 2020	Nature Biotechnology 34:31-36.	Parisi, C.	European Commission	Not Reported	
Parsa, S., et al.	2014	Obstacles to integrated pest management adoption in developing countries	Proceedings of the National Academy of Sciences of the United States of America 111:3889-3894.	Parsa, S.	International Center for Tropical Agriculture	Foundation	McKnight Foundation Collaborative Crop Research Program
						Government (Non-U.S.)	French regional cooperation for Andean countries French Institute for Research and Development
							PUCE
Pearce, J.M.	2012	The case for open source appropriate technology	Environment, Development, and Sustainability 14:425-432.	Pearce, J.M.		Not Reported	
Pechlaner, G.	2010	Biotech on the farm: Mississippi agriculture in an age of propriety biotechnologies	Anthropologica 52:291-304	Pechlaner, G.		Not Reported	

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Pechlaner, G.	2012	Corporate Crops: Biotechnology, Agriculture, and the Struggle for Control	Austin, TX: University of Texas Press	Pechlaner, G.		Not Reported	
Pemsl, D., et al.	2005	Why do some Bt-cotton farmers in China continue to use high levels of pesticides?	International Journal of Agricultural Sustainability 3:44–56	Pemsl, D.	University of Hannover	Not Reported	
Peter, G., et al.	2000	Coming back across the fence: Masculinity and the transition to sustainable agriculture	Rural Sociology 65:215–233	Peter, G.,	Iowa State University	Not Reported	
Phillips, D.M. and W.K. Hallman	2013	Consumer risk perceptions and marketing strategy: The case of genetically modified food	Psychology & Marketing 30:739–748	Phillips, D.M.	St. Joseph's University	Not Reported	
Phillips, P.W.B.	2003	The economic impact of herbicide tolerant canola in Canada	Pp. 119–139 in The Economic and Environmental Impacts of Agbiotech SE - 7, N. Kalaitzandonakes, ed. New York: Springer.	Phillips, P.W.B.	University of Saskatchewan	Not Reported	
Philips McDougall	2011	The Cost and Time Involved in the Discovery, Development and Authorization of a New Plant Biotechnology Derived Trait: A Consultancy Study for CropLife International.	Milothian, UK: Philips McDougall.	Philips McDougall		Not Reported	

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Piesse, J. and C. Thirtle	2010	Agricultural R&D, technology and productivity	Philosophical Transactions of the Royal Society of London B: Biological Sciences 365:3035–3047	Piesse, J.	Stellenbosch University	Academia	University of Stellenbosch
PIFB (Pew Initiative on Food and Biotechnology)	2005	U.S. vs. EU: An Examination of the Trade Issues Surrounding Genetically Modified Foods	Available at http://www.pewtrusts.org/~media/legacy/uploadedfiles/wwwpewtrustsorg/reports/food_and_biotechnology/biotechuseu1205pdf.pdf . Accessed December 22, 2015.	PIFB (Pew Initiative on Food and Biotechnology)		Not Reported	
Pixley, K.	2006	Hybrid and open-pollinated varieties in modern agriculture	Pp. 234–250 in Plant Breeding: The Arnel R. Hallauer International Symposium, K.R. Lamkey and M. Lee, eds. Ames, IA: Blackwell Publishing.	Pixley, K.		Not Reported	

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Pray, C.E., et al.	2001	Impact of Bt cotton in China	World Development 29:813–825	Pray, C.E.	Rutgers University	Not Reported	
Pray, C.E. and Nagarajan, L.	2009	Improving crops for arid lands: Pearl millet and sorghum in India	Pp. 83–88 in Millions Fed: Proven Successes in Agricultural development, D.J. Spielman and R. Pandya-Lorch, eds. Washington, DC: International Food Policy Research Institute	Pray, C.E.	Rutgers University	Not Reported	
Pray, C.E., et al.	2006	Benefits and costs of biosafety regulations in India and China	Pp. 481–508 in Regulating Agricultural Biotechnology: Economics and Policy, R.E. Just, J.M. Alston, and D. Zilberman, eds. New York: Springer.	Pray, C.E.	Rutgers University	Not Reported	

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Pray, C.E., et al.	2011	Impact of Bt cotton, the potential future benefits from biotechnology in China and India.	Pp. 83–114 in Genetically Modified Food and Global Welfare, C.A. Carter, G. Moschini, and I. Sheldon, eds. Bingley, UK: Emerald Group Publishing.	Pray, C.E.	Rutgers University	Not Reported	
Prugl, E.	2004	Gender orders in German agriculture: From the patriarchal welfare state to liberal environmentalism	Sociologia Ruralis 44:349–372	Prugl, E.	Florida International University	Not Reported	
Qaim, M.	2003	Bt cotton in India: Field trial results and economic projections	World Development 31:2115–2127	Qaim, M.	University of Bonn	Government (Non-U.S.)	German Research Foundation
Qaim, M.	2009	The economics of genetically modified crops	Annual Review of Resource Economics 1:665–693	Qaim, M.	University of Bonn	Not Reported	
Qaim M. and Kouser S.	2013	Genetically Modified Crops and Food Security	PLoS ONE 8(6): e64879. doi:10.1371/journal.pone.0064879 Accessed March 3, 2016	Qaim, M.	University of Bonn	Government (Non-U.S.)	German Research Foundation
Qiao, F.	2015	Fifteen years of Bt cotton in China: The economic impact and its dynamics	World Development 70:177–185.	Qiao, F.	Central University of Finance & Economics	Government (Non-U.S.)	National Natural Science Foundation of China

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Quisumbing, A.R., et al.	2014	Gender in Agriculture: Closing the Knowledge Gap	New York: Springer	Quisumbing, A.R.	International Food Policy Research Institute	Not Reported	
Racovita, M.	2015	What are the non-food impacts of GM crop cultivation on farmers' health.	Environmental Evidence 3:1	Racovita, M.	International Centre for Genetic Engineering and Biotechnology (ICGEB)	Not Reported	
Raney, T.	2006	Economic impact of transgenic crops in developing countries	Current Opinion in Biotechnology 17:174–178	Raney, T.	Food & Agriculture Organization of the United Nations		
Ransom, E. and C. Bain	2011	Gendering agricultural aid: An analysis of whether international development assistance targets women and gender	Gender & Society 25:48–74.	Ransom, E.	University Richmond	Not Reported	

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Reichman, U., et al.	2010	Research Tools Policies and Practices: Perspective of a Public Institution	Association of University Technology Managers Technology Transfer Practice Manual. Available at https://www.ott.nih.gov/sites/default/files/documents/pdfs/Ferguson-AUTM-TTPM-3rd-ed-vol-4-Research-Tools.pdf . Accessed February 22, 2016.	Reichman, U.	National Institutes of Health	Not Reported	
Richael, C.	2015	Innate™ Potatoes: An Introduction of Simplot Plant Sciences, a Division of the JR Simplot Company	Presentation to Committee	Richael, C.	Simplot Plant Sciences	N/A	

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Rickson, S.T.	2006	Women and sustainable agriculture	Pp. 119–135 in Rural Gender Relations: Issues and Case Studies, B.B. Bock and S. Shortall, eds. Wallingford, UK: CABI Publishing	Rickson, S.T.		Not Reported	
Rissing, A.L.	2012	Iowan women farmers' perspectives on alternative agriculture and gender	Journal of Agriculture, Food Systems & Community Development 3:127–136.	Rissing, A.L.		Not Reported	
Rollin, F., et al.	2011	Consumers and new food technologies	Trends in Food Science & Technology 22:99–111.	Rollin, F.	European Food Information Council	Not Reported	
Romeu-Dalmau, C. et al.	2015	Asiatic cotton can generate similar economic benefits to Bt cotton under rainfed conditions.	Nature Plants 1:15072.	Romeu-Dalmau, C.	University of Oxford	Foundation	John Templeton Foundation

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Runge, K., et al.	2015	Opinion Report: Public Opinion & Biotechnology	Madison, WI: University of Wisconsin-Madison, Department of Life Sciences Communication. Available from http://scimep.wisc.edu/projects/reports/ . Accessed December 1, 2015.	Runge, K.		Not Reported	
Ryan, B. and N.C. Gross	1943	The diffusion of hybrid seed corn in two Iowa communities	Rural Sociology 8:15	Ryan, B.		Not Reported	
Schafer, R.	2002	Transformations of Ovambo society and changes in agricultural systems in northern Namibia – Gender relations and tradition farming and ecological knowledge	Anthropos 97:73–87	Schafer, R.		Not Reported	
Schenkelaars, P.	2011	Drivers of Consolidation in the Seed Industry and its Consequences for Innovation.	Bilthoven, The Netherlands: Commission on Genetic Modification (COGEM).	Schenkelaars, P.		Not Reported	
Schnurr, M.	2012	Inventing Makhathini: Creating a prototype for the	Geoforum 43:784–792.	Schnurr, M.	Dalhousie University	Nonprofit	UKNZ Center for Civil Society

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		dissemination of genetically modified crops into Africa				Government (Non-U.S.)	Social Sciences and Humanities Research Council
Schnurr, M.	2013	Biotechnology and bio-hegemony in Uganda: unraveling the social relations underpinning the promotion of genetically modified crops into new African markets'	Journal of Peasant Studies 40(4), 639—658.	Schnurr, M.	Dalhousie University	Academia	Dalhousie University Research Development Fund
Schnurr, M.	2015	Can Genetically Modified Crops Help African Farmers?	Webinar presentation to the National Academy of Sciences' Committee on Genetically Engineered Crops: Past Experience and Future Prospects, February 4.	Schnurr, M.	Dalhousie University	N/A	
Schurman, R. and W.A. Munro	2010	Fighting for the Future of Food: Activists Versus Agribusiness in the Struggle over Biotechnology	Minneapolis: University of Minnesota Press	Schurman, R.		Not Reported	
Schweizer, E.	2015	Whole Foods: Organic and Non GMO Market Growth 2015	Presentation at the USDA Stakeholder Workshop on Coexistence, March 12, Raleigh, NC.	Schweizer, E.		Not Reported	

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Scoones, I. and Glover, D.	2009	'Africa's biotechnology battle'	Nature 460(7257), 797—798	Scoones, I.	Nature	Not Reported	
Scorza, R.	2014	Development and Regulatory Approval of Plum Pox Virus Resistant 'Honeysweet' Plum	Presentation to the Committee	Scorza, R.	U.S. Department of Agriculture Appalachian Fruit Research Station	N/A	
Sease, E.J.	2007	History and trends in agricultural biotechnology patent law from a litigator's perspective	Pp. 38–44 in Agricultural Biotechnology and Intellectual Property: Seeds of Change, J.P. Kesan, ed. Cambridge, MA: CAB International.	Sease, E.J.	McKee, Voorhees & Sease, P.L.C.	N/A	
Settle, W. et al.	2014	Reducing pesticide risks to farming communities: Cotton farming field schools in Mali	Philosophical Transactions of the Royal Society B—Biological Sciences 369:20120277	Settle, W.	Food & Agriculture Organization of the United Nations	Government (Non-U.S.)	United Nations Environment Programme European Union

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Sexton, S. and D. Zilberman	2012	Land for food and fuel production: The role of agricultural biotechnology	Pp. 269–288 in The Intended and Unintended Effects of U.S. Agricultural and Biotechnology Policies, J.S. Graff Zivin and J.M. Perloff, eds. Chicago, IL: University of Chicago Press	Sexton, S.	University of California	N/A	
Shepherd-Bailey, J.	2013	Economic Assessment of Washington Initiative 522	Prepared for the Alliance for Natural Health USA	Shepherd-Bailey, J.	Emerory University School of Law	N/A	
Shi, G. et al.	2008	An analysis of bundle pricing: The case of the corn seed market	Madison, WI: University of Wisconsin-Madison	Shi, G.	University of Wisconsin Madison	Not Reported	
Shi, G. et al.	2009	Pricing of herbicide-tolerant seeds: A market structure approach	AgBioForum 12:326–333	Shi, G.	University of Wisconsin Madison	Not Reported	
Shi, G. et al.	2010	An analysis of the pricing of traits in the U.S. corn seed market	American Journal of Agricultural Economics 92:1324–1338	Shi, G.	University of Wisconsin Madison	Government (U.S.)	U.S. Department of Agriculture
						Academia	Food System Research Group (FSRG) Graduate School Research Grant of Wisconsin Alumni Research Foundation (WARF)

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Shillito, R.	2014		Presentation to the Committee	Shillito, R.	Bayer CropScience	N/A	
Shillito, R.	2014		Committee discussion with presenters	Shillito, R.	Bayer CropScience	N/A	
Smale, M.	2012	Rough terrain for research: Studying early adopters of biotech crops	AgBioForum 15:114–124	Smale, M.	Michigan State University	Not Reported	
Smale, M. and J. Falck-Zepeda	2012	Farmers and researchers discovering biotech crops: Experiences measuring economic impacts among new adopters.	A Special Issue of AgBioForum 15.	Smale, M.	Oxfam America	Not Reported	
Smale, M. et al.	2009	Measuring the Economic Impacts of Transgenic Crops in Developing Agriculture during the First Decade: Approaches, Findings, and Future Directions	Washington, DC: International Food Policy Research Institute	Smale, M.	Oxfam America	N/A	
Smale, M. et al.	2012	A case of resistance: Herbicide-tolerant soybeans in Bolivia	AgBioForum 15:191–205	Smale, M.	Oxfam America	Not Reported	
Smyth, S. et al.	2014	Benefits of genetically modified herbicide tolerant canola in Western Canada	International Journal of Biotechnology, 13(4), 181–197	Smyth, S.	University of Saskatchewan	Not Reported	
Smyth, S. et al.	2014	Investment, regulation, and uncertainty: Managing new plant breeding techniques	GM Crops and Food: Biotechnology in Agriculture and the Food Chain 5:44–57	Smyth, S.	University of Saskatchewan	Not Reported	

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Smyth, S. et al.	2014	Handbook on Agriculture	Biotechnology and Development Northampton, MA: Edward Elgar Publishing	Smyth, S.	University of Saskatchewan	Not Reported	
SOFA Team and C. Doss	2011	The role of women in agriculture (ESA Working Paper, No. 11-02)	Available at http://www.fao.org/docrep/013/am307e/am307e00.pdf . Accessed November 27, 2015.	SOFA Team		Not Reported	
Soleri, D. et al.	2008	Testing assumptions underlying economic research on transgenic food crops for Third World farmers: Evidence from Cuba, Guatemala and Mexico	Ecological Economics 67:667-682	Soleri, D.	University of California Santa Barbara	Academia	University of California Santa Barbara
						Government (U.S.)	U.S. National Science Foundation
Stein, A.J. and E. Rodríguez-Cerezo	2009	The Global Pipeline of New GM Crops: Implications of Asynchronous Approval for International Trade	Seville, Spain: European Commission	Stein, A.J.	European Commission	Not Reported	
Stiegert, K. et al.	2010	Innovation, integration, and biotech revolution: The case of U.S. seed markets	Choices 25	Stiegert, K.	University of Wisconsin, Madison	Not Reported	
Stirling, A.	2008	Science, precaution, and the politics of technological risk: Converging implications in evolutionary and social scientific perspectives	Annals of the New York Academy of Sciences 1128:95-110	Stirling, A.	University of Sussex	Not Reported	

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Stone, G.D.	2007	Deskilling and the spread of genetically modified cotton in Warangal	Current Anthropology 48:67–103	Stone, G.D.	Washington University	Not Reported	
Stone, G.D.	2011	Field versus farm in Warangal: Bt cotton, higher yields, and larger questions	World Development 39:387–398	Stone, G.D.	Washington University	Government (U.S.)	National Science Foundation
						Foundation	Wenner-Gren Foundation
Stone, G.D. et al.	2014	Rhythms of the herd: Long term dynamics in seed choice by Indian farmers	Technology in Society 35:26–38	Stone, G.D.	Washington University	Not Reported	
Strauss, D.M.	2009	The application of TRIPS to GMOs: International intellectual property rights and biotechnology	Stanford Journal of International Law 45:287–320	Strauss, D.M.	Fairfield University	Not Reported	
Strom, S.	2015	Chipotle to stop using genetically altered ingredients	Online. New York Times. Available at http://www.nytimes.com/2015/04/27/business/chipotle-to-stop-serving-genetically-altered-food.html . Accessed November 5, 2015	Strom, S.	New York Times	N/A	
Subramanian, A. and M. Qaim	2010	The impact of Bt cotton on poor household in rural India	Journal of Development Studies 46:295–311	Subramanian, A.	University of Warwick	Government (Non-U.S.)	German Research Foundation

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Sundari, S. and V. Gowri	2002	New agricultural technology: A gender analysis	Indian Journal of Social Work 63:517–539	Sundari, S.	Indira Gandhi Centre for Atomic Research	Not Reported	
Takeshima, H.	2010	Prospects for development of genetically modified cassava in Sub-Saharan Africa	AgBioForum 13:63–75	Takeshima, H.	International Food Policy Research Institute, Nigeria	Academia	University of Illinois
						Nonprofit	International Food Policy Research Institute
Teisl, M.F. and J.A. Caswell	2003	Information Policy and Genetically Modified Food: Weighing the Benefits and Costs	Amherst, MA: University of Massachusetts Amherst	Teisl, M.F.	University of Maine	Not Reported	
Thomison, P.R. and M.M. Loux	2001	Commonly used methods for detecting GMOs in grain crops	Available at http://ohioline.osu.edu/agfact/0149.html . Accessed November 6, 2015	Thomison, P.R.	Ohio State University	Not Reported	
Tittonell, P. and K. Giller	2013	When yield gaps are poverty traps: The paradigm of ecological intensification in African smallholder agriculture	Field Crops Research 143:76–90	Tittonell, P.	Wageningen University & Research Center	Government (Non-U.S.)	European Union
Toole, A.A. and J.L. King	2011	Industry-science connections in agriculture: Do public science collaborations and knowledge flows contribute to firm-level agricultural research productivity?	Discussion Paper No. 11-064. Centre for European Economic Research.	Toole, A.A.	U.S. Patent and Trademark Office	Not Reported	
Tripp, R.	2006	Self-Sufficient Agriculture: Labour and Knowledge in Small-Scale Farming	Sterling, VA: Earthscan	Tripp, R.		N/A	

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Tripp, R., ed.	2009	Biotechnology and Agricultural Development: Transgenic Cotton, Rural Institutions and Resource-Poor Farmers	London: Routledge	Tripp, R.		N/A	
Tripp, R.	2009	Ten years of Bt cotton in South Africa: Putting the smallholder experience into context	New York: Routledge	Tripp, R.		N/A	
USDA Advisory Committee	2012	Enhancing Coexistence: A Report of the AC21 to the Secretary of Agriculture	Available at http://www.usda.gov/documents/ac21_report-enhancing-coexistence.pdf . Accessed June 16, 2015.	USDA Advisory Committee		N/A	
USDA-AMS (U.S. Department of Agriculture-Agricultural Marketing Service)	2011	Policy Memorandum 11-13: Clarification of Existing Regulations Regarding the Use of Genetically Modified Organisms in Organic Agriculture.	Available at http://www.ams.usda.gov/sites/default/files/media/NO-PM-11-13-GMOClarification.pdf . Accessed November 6, 2015.	USDA-AMS (U.S. Department of Agriculture-Agricultural Marketing Service)		N/A	

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USDA–NASS (U.S. Department of AGriculture– National Agricultural Statistics Service)	2009	Hawaii Papayas	Available at http://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Fruits_and_Nuts/papaya.pdf . Accessed November 11, 2015.	USDA–NASS (U.S. Department of AGriculture– National Agricultural Statistics Service)		N/A	
USPTO (United States Patent and Trademark Office).	2014	General Information Concerning Patents	Available at http://www.uspto.gov/patents-getting-started/general-information-concerning-patents#heading-2 . Accessed November 8, 2015.	USPTO (United States Patent and Trademark Office).		N/A	
Van Brunt, J.	1985	Ex parte Hibberd: Another landmark decision.	Nature Biotechnology 3:1059-1060.	Van Brunt, J.		Not Reported	
van Vliet, J.A. et al.	2015	De-mystifying family farming: Features, diversity and trends across the globe.	Global Food Security 5:11–18	van Vliet, J.A.	Wageningen University & Research Center	Not Reported	

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Vanloqueren, G. and P.V. Baret	2009	How agricultural research systems shape a technological regime that develops genetic engineering but locks out agroecological innovations	Research Policy 38:971–983	Vanloqueren, G.	Universite Catholique Louvain	Government (Non-U.S.)	Belgian National Fund for Scientific Research
VIB (Vlaams Instituut voor Biotechnologie)	2014	Virus Resistant Papaya in Hawaii: The Local Papaya Industry's Life Raft	Ghent, Belgium: VIB	VIB (Vlaams Instituut voor Biotechnologie)		Not Reported	
Vitale, J.D. et al.	2010	The commercial application of GMO crops in Africa: Burkina Faso's decade of experience with Bt cotton	AgBioForum, 13(4), 320-332. Available on the World Wide Web: http://www.agbioforum.org .	Vitale, J.D.	Oklahoma State University	Not Reported	
Vitale, J. et al.	2008	Second-generation Bt cotton field trials in Burkina Faso: Analyzing the potential benefits to West African farmers	Crop Science, 48, 1958-1966	Vitale, J.	Oklahoma State University - Stillwater	Not Reported	
Waltz, E.	2009	Under wraps	Nature Biotechnology 27:880–882	Waltz, E.		Not Reported	
Webb, S.	2014	EXZACT™ Precision Technology: Scientific and Regulatory Advancements in Plant Genome Editing	Presentation to the Committee	Webb, S.	Dow AgroSciences	N/A	
Welsh, R. and L. Glenna	2006	Considering the role of the university in conducting research on agri-biotechnologies	Social Studies of Science 36:929–942	Welsh, R.	Clarkson University	Not Reported	
Wesseler, J.	2009	The Santaniello theorem of irreversible benefits	AgBioForum 12:8–13	Wesseler, J.	Wageningen University	Not Reported	

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Wesseler, J.	2014	Biotechnologies and agrifood strategies: Opportunities, threats and economic implications	Bio-based and Applied Economics 3:187–204	Wesseler, J.	Wageningen University	Not Reported	
Wesseler, J. et al.	2007	The maximum incremental social tolerable irreversible costs (MISTICs) and other benefits and costs of introducing transgenic maize in the EU-15	Pedobiologia 51:261–269	Wesseler, J.	Wageningen University	Not Reported	
Wittman, H.	2011	Food sovereignty: A new rights framework for food and nature?	Environment and Society: Advances in Research 2:87–105	Wittman, H.	University of British Columbia	Not Reported	
World Bank	2005	Sustainable Pest Management: Achievements and Challenges	Washington, DC: World Bank	World Bank		Not Reported	
Wright, B.D.	2007	Agricultural innovation after the diffusion of intellectual property protection	Pp. 1–18 in Agricultural Biotechnology and Intellectual Property: Seeds of Change, J.P. Kesan, ed. Cambridge, MA: CABI International	Wright, B.D.	University of California-Berkeley	N/A	
Xia, Y. and S. Buccola	2005	University life science programs and agricultural biotechnology	American Journal of Agricultural Economics 81:229–243	Xia, Y.	University of Missouri Columbia	Government (U.S.)	U.S. Department of Agriculture

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Xu, N. et al.	2008	Effectiveness and chemical pest control of Bt-cotton in the Yangtze River Valley, China	Crop Protection 27:1269–1276	Xu, N.	Nanjing Agricultural University	Not Reported	
Yang, P. M. et al.	2005	Farmers' knowledge, perceptions and practices in transgenic Bt cotton in small producer systems in Northern China	Crop Protection 24:229–239	Yang, P. M.	National Agro-Tech Extension and Service Center	Not Reported	
Yorobe, J.M., Jr., and M. Smale	2012	Impacts of Bt maize on smallholder income in the Phillipines	AgBioForum 15:152–162	Yorobe, J.M.	University of the Phillipines-Los Baños	Not Reported	
Zambrano, P. et al.	2012	Unweaving the threads: The experiences of female farmers with biotech cotton in Colombia	AgBioForum 15:125–137	Zambrano, P.	International Food Policy Research Institute (IFPRI)	Not Reported	
Zambrano, P. et al.	2013	Hiding in the plain sight: Women and GM crop adoption	Paper presented at the 17th ICABR Conference: Innovation and Policy for the Bioeconomy (Ravello, Italy, June 18–21).	Zambrano, P.	International Food Policy Research Institute (IFPRI)	N/A	