

CURRICULUM VITAE

PHILIP GORDON PARDEY

PERSONAL

Contact Address: University of Minnesota
Department of Applied Economics
College of Agricultural, Food and Environmental Sciences
1994 Buford Avenue
218J Classroom Office Building
St Paul, MN 55108-6040

Tel: (612) 625-2766
Fax: (612) 625-3186
Email: ppardey@umn.edu

UNIVERSITY DEGREES

PhD (Major in agricultural economics and minor in economics) University of Minnesota, 1986
M.Agr.Sc. (Agricultural economics) University of Adelaide, 1979
B.Econ. University of Adelaide, 1979
B.Agr.Sc. University of Adelaide, 1975

WORK EXPERIENCE

January 2002-present University of Minnesota, St Paul
Department of Applied Economics, Professor
Director, International Science and Technology Practice and Policy (InSTePP) center

October 1994 - January 2002 International Food Policy Research Institute (IFPRI), Washington D.C.
January 1999 to January 2002, Senior Research Fellow (Leader, IFPRI Science and Technology Policy Program)
October 1994 to December 1998, Research Fellow

August 1984 - December 2001 University of Minnesota
June 1997 to December 2001, Adjunct Professor
July 1994 to May 1997, Adjunct Associate Professor
July 1990 to June 1994, Adjunct Assistant Professor
January 1985 to June 1990, Research Associate

August 1984 - September 1994 International Service for National Agricultural Research (ISNAR), The Hague
January 1990 to September 1994, Senior Research Officer
June 1986 to December 1989, Research Officer
January 1985 to May 1986, Research Fellow
August 1984 to December 1984, Consultant

March - May 1986 Virginia Polytechnic Institute and State University, Blacksburg, Virginia
 Visiting Assistant Professor, Department of Agricultural Economics,
 September 1979 - University of Minnesota, St Paul
 August 1984 Graduate Research Assistant Department of Agricultural and Applied
 Economics
 July 1979 - University of Adelaide, South Australia, Department of Economics
 January 1976 February 1978 to July 1979, Research Assistant
 January 1976 to December 1978, Part-time tutor

PROFESSIONAL MEMBERSHIPS

American Agricultural Economics Association
 Australian Agricultural and Resource Economics Society
 American Economics Association
 International Association of Agricultural Economists

AWARDS AND PROFESSIONAL RECOGNITION

- Fellow, Australian Agricultural and Resource Economics Society (awarded 2007)
- Quality of Communication award (with Julian Alston and Roley Piggott) Australian Agricultural and Resource Economics Society (awarded 2007)
- Fellow, American Agricultural Economics Association (awarded 2006)
- Quality of Communication award (with C.F. Runge, B. Senauer, and M.W. Rosegrant), American Agricultural Economics Association (awarded 2004)
- Outstanding paper on plant genetic resources (with B. Koo, B.D. Wright, M.E. van Dusen, B. Skovmand, and S. Taba), Crop Science Society of America 2001 (awarded 2002)
- Distinguished Policy Contribution (with J Alston), American Agricultural Economics Association (awarded 2001)
- Outstanding Published Research award (with J. Alston, C. Chan-Kang, M. Marra, and TJ Wyatt) Western Agricultural Economics Association, 2000 (awarded 2001)
- Honorable mention for Quality of Research Discovery (with J Alston and G Norton), American Agricultural Economics Association, 1995 (awarded 1996)
- Honorable mention for Quality of Communication (with J. Alston and other authors in the AEI project), American Agricultural Economics Association, 1995 (awarded 1996)
- Outstanding Service award, International Service for National Agricultural Research, The Hague (awarded 1992)
- George Murray overseas travel grant, University of Adelaide (awarded 1979)
- Australian Wool Corporation research studentship, 1976-1978

BOARDS, COMMITTEES AND ADVISORY PANELS

2005-present Member, Faculty Editorial Advisory Board for the *Minnesota Journal of Law, Science & Technology (MJLST)*

2005-present	Member, American Agricultural Economics Association Centennial Committee and Nominating Committee (Distinguished Policy Award Committee, 2007)
2004-2007	Co-chair, Australian Organizing Committee for the <i>International Agricultural Economics Association</i> triennial meetings, Queensland Australia, August 2006
2003-present	Member, Editorial Board, <i>Australian Journal of Agricultural and Resource Economics</i>
2002-present	Senior Affiliate, Center for International Economic Studies, University of Adelaide
2002-2005	Member, U.S. National Research Council Standing Committee on Agricultural Biotechnology, Health and the Environment
2000-2002	Member, Federal Council of the Australian Agricultural and Resource Economics Society
1996-2002	Member, Systemwide Genetic Resource Programme of the CGIAR
Sept. 1997	Guest editor (with J.M. Alston) <i>Australian Journal of Agricultural and Resource Economics</i> , September 1997
1995-2001	Member, American Agricultural Economics Association, Economic Statistics, and Information Resources Committee
1992-present	Participant in the regional research project NC-208, "Impact Analysis and Decision Strategies for Agricultural Research."
1995-1997	Associate editor, <i>American Journal of Agricultural Economics</i>
1994	Member, internally managed external review panel, CIMMYT economics program, Mexico
1988-present	Affiliate, Center for International Food and Agricultural Policy, University of Minnesota
1986-1991	Member of the technical committee for the USDA interregional research project IR-6, "National Agricultural Research Planning and Analysis"

INTERNATIONAL EXPERIENCE

Led regional projects in Asia, Latin America and the Caribbean, and sub-Saharan Africa and country projects in Argentina, Australia, Brazil, China, Indonesia, Kenya, Niger, and the United States.

PUBLICATIONS

1. Books and Monographs

Pardey, P.G., J. James, J. Alston, S. Wood, B. Koo, E. Binenbaum, T. Hurley and P. Glewwe. *Science, Technology and Skills*. Background Paper to the World Bank World Development Report 2008. St. Paul, Rome and Washington D.C.: University of Minnesota, CGIAR Science Council and World Bank, 2007, pp. 95.

Pardey, P.G., S. Dehmer and J. Beddow. *Long Gone Lake Wobegon?: The State of Investments in University of Minnesota Research*, InStePP Report, St. Paul: University of Minnesota, 2007, pp. v + 46.

- Pardey, P.G., J.M. Alston, and R.R. Piggott, eds. *Agricultural R&D in the Developing World: Too Little, Too Late?* Washington D.C.: International Food Policy Research Institute, 2006, pp. xx + 398.
- Pardey, P.G. J.M. Alston, C. Chan-Kang, E. Castello Magalhães, and S.A. Vosti. *Assessing and Attributing the Benefits from Varietal Improvement Research in Brazil*. IFPRI Research Report No 136. Washington D.C.: International Food Policy Research Institute, 2004, pp. xii + 90.
- Koo. B., P.G. Pardey, B.D. Wright, and others. *Saving Seeds: The Economics of Conserving Crop Genetic Resources Ex Situ in the Future Harvest Centers of the CGIAR*. Wallingford U.K.: CAB International, 2004, pp. xxiii + 207.
- Pardey, P.G. and V.H. Smith, eds. *What's Economics Worth? Valuing Policy Research*. Baltimore: John Hopkins University Press, 2004, pp. xviii + 318.
- Runge, F.C., B. Senauer, P.G. Pardey, and M.W. Rosegrant. *Ending Hunger in our Lifetime: Food Security and Globalization*. Baltimore: John Hopkins University Press, 2003, pp. xxi + 288.
- Pardey, P.G., J. M. Alston, C. Chan-Kang, E.C. Magalhães, and S.A. Vosti. *Calculado e Atribuindo os Benefícios da Pesquisa de Melhoramento de Variedades: O Casa da Embrapa* (E. Alves, M. Magalhães, and P. Guedes, Editores Técnicos). Brasília: Embrapa Informação Tecnológica, 2002, pp. xvi + 248.
- Pardey, P.G., ed. *The Future of Food: Biotechnology Markets and Policies in an International Setting*. Washington D.C.: International Food Policy Research Institute, 2001, pp. xii + 316. (Chinese edition translated by Simen Wen and Liangyun Sun, China Agricultural Publishing House, October 2002).
- Alston, J.M., P.G. Pardey, and M. J. Taylor. eds. *Agricultural Science Policy: Changing Global Agendas*. Baltimore: Johns Hopkins University Press, 2001, pp. xvi + 285.
- Alston, J.M., M. C. Marra, P.G. Pardey, and T.J. Wyatt. *A Meta Analysis of Rates of Return to Agricultural R&D: Ex Pede Herculem?* Washington D.C.: IFPRI Research Report No 113, 2000, pp. x +148.
- Alston, J.M., P.G. Pardey, and V.H. Smith. eds. *Paying for Agricultural Productivity*, Baltimore: Johns Hopkins University Press, 1999, pp. xix + 315.
- Alston, J.M., and P.G. Pardey. *Making Science Pay: The Economics of Agricultural R&D Policy*. Washington D.C.: American Enterprise Institute Press, 1996, pp. xxiv + 375.
- Alston, J.M., G.W. Norton, and P.G. Pardey. *Science Under Scarcity: Principles and Practice for Agricultural Research Evaluation and Priority Setting*. Ithaca: Cornell University Press, 1995, pp. xxxi + 551. (reprinted in soft cover by CAB International 1998).
- Alston, J.M., P.G. Pardey, and H.O. Carter, eds. *Valuing UC Agricultural Research and Extension*. Davis: University of California, Agricultural Issues Center, March 1994, pp. vi + 117.
- Fan, S. and P.G. Pardey. *Agricultural Research in China: Its Institutional Development and Impact*. The Hague: International Service for National Agricultural Research, 1992, pp. xxii + 96 (Chinese edition, 1994, pp. xxii + 80).

Pardey, P.G., J. Roseboom, and J.R. Anderson, eds. *Agricultural Research Policy: International Quantitative Perspectives* Cambridge: Cambridge University Press, 1991, pp. xxii + 462.

Pardey, P.G. and J. Roseboom. *ISNAR Agricultural Research Indicator Series: A Global Data Base on National Agricultural Research Systems*. Cambridge: Cambridge University Press, 1989, pp. xxii + 547.

2. Dissertations

Pardey, P.G. "Public Sector Production of Agricultural Knowledge." Ph.D. dissertation, University of Minnesota, St. Paul/Minneapolis, Minnesota, 1986, pp. vi + 153.

Pardey, P.G. "The Diffusion of Trace Element Technology: An Economic Analysis." Master of Agricultural Science dissertation, University of Adelaide, South Australia, 1978, pp. iii + 152.

3. Refereed Journal Articles (published and in press)

Nagarajan, L., P.G. Pardey and M. Smale. "Seed Systems and Millet Crops in Marginal Environments of India: Industry and Policy Perspectives." *Quarterly Journal of International Agriculture* 3(2007): 263-288.

Pardey, P.G. "Agricultural Globalization: Is it Good or Bad for Developing Economies?—Discussant Comments" *American Journal of Agricultural Economics* 88(5)(December 2006): 1235-1236.

Koo, B., P.G. Pardey, K. Qian, and Y. Zhang. "An Option Perspective on Generating and Maintaining Plant Variety Rights in China." *Agricultural Economics* 35(2006): 35-48.

Pardey, P.G., J.M. Alston, C. Chan-Kang, E. Magalhães, and S. Vosti. "International and Institutional R&D Spillovers: Attribution of Benefits Among Sources for Brazil's New Crop Varieties." *American Journal of Agricultural Economics* 88(1)(February 2006): 104-123.

Wright, B.D. and P.G. Pardey. "The Evolving Rights to Intellectual Property Protection in the Agricultural Biosciences." *International Journal for Technology and Globalization* 2 (1/2)(2006): 12-29.

Wright, B.D. and P.G. Pardey. "Changing Intellectual Property Regimes: Implications for Developing Country Agriculture." *International Journal for Technology and Globalization* 1(1/2)(2006): 93-114.

Pardey, P.G., B. Koo and C. Nottenburg. "Creating, Protecting, and Using Crop Biotechnologies Worldwide in an Era of Intellectual Property." *Minnesota Journal of Law, Science & Technology* 6(1)(December 2004): 213-252.

Koo, B., C. Nottenburg, and P.G. Pardey. "Plants and Intellectual Property: An International Appraisal." *Science* 306 (November 2004): 1295-1297.

Koo, B., P.G. Pardey and B.D. Wright "The Economic Costs of Conserving Genetic Resources at the CGIAR Centers." *Agricultural Economics* 29 (2003): 287-297.

- Marra, M.C., P.G. Pardey, and J.M. Alston. "The Payoffs to Transgenic Field Crops: An Assessment of the Evidence." *AgBioForum* online 5(2)(2003), <<http://www.agbioforum.org/v5n2/v5n2a02-marra.htm>>.
- Acquaye, A.K.A., J.M. Alston, and P.G. Pardey. "Post-War Productivity Patterns in U.S. Agriculture: Influences of Aggregation Procedures in a State-Level Analysis." *American Journal of Agricultural Economics* 85(1)(February 2003): 59-80.
- Binenbaum, E., C. Nottenburg, P.G. Pardey, B.D. Wright, and P. Zambrano. "South-North Trade, Intellectual Property Jurisdictions, and Freedom to Operate in Agricultural Research on Staple Crops." *Economic Development and Cultural Change* 51 (2) (January 2003): 309-336.
- Nottenburg, C., P.G. Pardey, and B.D. Wright. "Accessing Other People's Technology for Non-profit Research." *Australian Journal of Agricultural and Resource Economics* 48(3) (September 2002): 389-416.
- Alston, J.M. and P.G. Pardey. "Attribution and Other Problems in Assessing the Returns to Agricultural R&D." *Agricultural Economics* 25(2-3) (September 2001): 141-152.
- Binenbaum, E., P.G. Pardey, and B.D. Wright. "Public-Private R&D Relationships: The Consultative Group on International Agricultural Research." *American Journal of Agricultural Economics* 83(3)(August 2001): 748-753.
- Pardey, P.G., B. Koo, B.D. Wright, M.E. Van Dusen, B. Skovmand, and S. Taba. "Costing the Conservation of Genetic Resources: CIMMYT's Ex Situ Maize and Wheat Collection." *Crop Science* 41(4) (2001): 1286-1299.
- Alston, J.M., M.C. Marra, P.G. Pardey, and T.J. Wyatt. "Research Returns Redux: A Meta-Analysis of the Returns to Agricultural R&D." *Australian Journal of Agricultural and Resource Economics* 44(2)(June 2000): 185-215.
- Wood, S. and P.G. Pardey. "Agroecological Aspects of Evaluating Agricultural R&D." *Agricultural Systems* 57(1)(1998): 13-41.
- Alston, J.M. P.G. Pardey, and J. Roseboom. "Financing Agricultural Research: International Investment Patterns and Policies." *World Development* Vol. 26, No.6 (1998): 1057-1071.
- Alston, J.M., P.G. Pardey, and V.H. Smith. "Financing Agricultural Research in Rich Countries: What's Happening and Why?" *Australian Journal of Agricultural and Resource Economics* 41(1)(March 1998): 51-82.
- Smith, V.H. and P.G. Pardey. "Sizing up Social Science Research." *American Journal of Agricultural Economics* 79(5)(December 1997): 1530-1533.
- Craig, B.J., P.G. Pardey, and J. Roseboom. "International Productivity Patterns: Accounting for Input Quality, Infrastructure and Research." *American Journal of Agricultural Economics* 79(4)(November 1997): 1064-1076.
- Fan, S. and P.G. Pardey. "Research, Productivity and Output Growth in Chinese Agriculture." *Journal of Development Economics* 53 (June 1997): 115-137.

- Pardey, P.G., J. Roseboom and N. Beintema. "Investments in African Agricultural Research." *World Development* 25(3)(March 1997): 409-423.
- Craig, B.J. and P.G. Pardey. "Productivity Measurement in the Presence of Quality Change." *American Journal of Agricultural Economics* 78(5) (December 1996): 1349-1354.
- Anderson, J.R., P.G. Pardey and J. Roseboom. "Sustaining Growth in Agriculture: A Quantitative Review of Agricultural Research Investments." *Agricultural Economics* 10(2)(April 1994): 107-123.
- Alston, J.M. and P.G. Pardey. "Market Distortions and Technological Progress in Agriculture." *Technological Forecasting and Social Change* 43(3/4) (May/June 1993): 301-319.
- Norton, G.W., P.G. Pardey, and J.M. Alston. "Economic Issues in Agricultural Research Priority Setting." *American Journal of Agricultural Economics* 74(5)(December 1992): 1089-1094.
- Norton, G.W., J. Ortiz, and P.G. Pardey. "The Impact of Foreign Assistance on Agricultural Growth." *Economic Development and Cultural Change* 40(4) (July 1992): 775-786.
- Pardey, P.G., J. Roseboom, and B.J. Craig. "A Yardstick for International Comparisons: An Application to National Agricultural Research Expenditures." *Economic Development and Cultural Change* 40(2)(January 1992): 333-349.
- Roseboom, J. and P.G. Pardey. "Measuring the Development of National Agricultural Research Systems." *Scientometrics* 23(1)(1992): 169-190.
- Thorpe, P. and P.G. Pardey. "The Generation and Transfer of Agricultural Knowledge: A Bibliometric Study of a Research Network." *Journal of Information Science* 16(3)(1990): 183-194.
- Pardey, P.G., M.S. Kang, and H. Elliott. "The Structure of Public Support for National Agricultural Research Systems: A Political Economy Perspective." *Agricultural Economics* 3(4)(December 1989): 261-278.
- Pardey, P.G., B.J. Craig, and M.L. Hallaway. "U.S. Agricultural Research Deflators: 1890-1985." *Research Policy* 18(5)(October, 1989): 289-296.
- Pardey, P.G. "The Agricultural Knowledge Production Function: An Empirical Look." *Review of Economics and Statistics* 71(33)(August, 1989): 453-461.
- Pardey, P.G. and B.J. Craig. "Causal Relationships between Public Sector Agricultural Research Expenditures and Output." *American Journal of Agricultural Economics* 71(1)(February, 1989): 9-19.
- Menz, K.M. and P.G. Pardey. "Technology and U.S. Corn Yields: Plateaus and Price Responsiveness." *American Journal of Agricultural Economics* 65(3)(August, 1983): 558-562.
- Lindner, R.K., P.G. Pardey, and F.G. Jarrett. "Distance to Information Source and the Time Lag to Early Adoption of Trace Element Fertilizers." *Australian Journal of Agricultural Economics* 26(2)(1982): 98-113.
- Lindner, R.K., A. Fisher, and P.G. Pardey. "The Time to Early Adoption." *Economics Letters* 2(1979): 187-190.

4. Book Chapters (published and forthcoming)

Koo, B., P.G. Pardey, and K. Qian. "Reforming the Agricultural Research and Intellectual Property Rights Systems of China", Chapter in A. Gulati and S. Fan, eds. *The Dragon and the Elephant: Agricultural and Rural Reforms in China and India*. Baltimore: The Johns Hopkins University Press, 2007.

Wright, B.D., P.G. Pardey, C. Nottenburg and B. Koo. "Agricultural Innovation: Economic Incentives and Institutions." Chapter in R.E. Evenson and P. Pingali, eds. *Handbook of Agricultural Economics: Volume 3* Amsterdam: Elsevier, 2007.

Pardey, P.G., J.M. Alston and N. Beintema. "Agricultural R&D Spending at a Crossroads." Chapter in I. Serageldin, E. Masood, M. El-Faham and A. Massoud, eds. *Changing Lives: BioVision Alexandria 2006*. Alexandria: Bibliotheca Alexandrina, 2007.

Piggott, R.R., P.G. Pardey and J.M. Alston. "Introduction and Overview" Chapter 1 in P.G. Pardey, J.M. Alston, and R.R. Piggott, eds. *Agricultural R&D in the Developing World: Too Little, Too Late?* Washington D.C.: International Food Policy Research Institute, 2006.

Alston, J.M. and P.G. Pardey. "Developing-Country Perspectives on Agricultural R&D: New Pressures for Self-Reliance?" Chapter 2 in P.G. Pardey, J.M. Alston, and R.R. Piggott, eds. *Agricultural R&D in the Developing World: Too Little, Too Late?* Washington D.C.: International Food Policy Research Institute, 2006.

Beintema, N.M. P.G. Pardey and F. Avila. "Brazil: Maintaining the Momentum." Chapter 10 in P.G. Pardey, J.M. Alston, and R.R. Piggott, eds. *Agricultural R&D in the Developing World: Too Little, Too Late?* Washington D.C.: International Food Policy Research Institute, 2006.

Beintema, N.M., L. Romano, and P.G. Pardey. "Colombia: A Public–Private Partnership." Chapter 11 in P.G. Pardey, J.M. Alston, and R.R. Piggott, eds. *Agricultural R&D in the Developing World: Too Little, Too Late?* Washington D.C.: International Food Policy Research Institute, 2006.

Alston, J.M., S. Dehmer and P.G. Pardey. "International Initiatives in Agricultural R&D: The Changing Fortunes of the CGIAR." Chapter 12 in P.G. Pardey, J.M. Alston, and R.R. Piggott, eds. *Agricultural R&D in the Developing World: Too Little, Too Late?* Washington D.C.: International Food Policy Research Institute, 2006.

Alston, J.M., P.G. Pardey and R.R. Piggott. "Synthesis of Themes and Policy Issues." Chapter 13 in P.G. Pardey, J.M. Alston, and R.R. Piggott, eds. *Agricultural R&D in the Developing World: Too Little, Too Late?* Washington D.C.: International Food Policy Research Institute, 2006.

Olmstead, A.L., J.M. Alston, B.L. Gardner, P.G. Pardey, P.W. Rhode and D.A. Sumner. "Agriculture." Sub-chapter in S.B. Carter, S.S. Gartner, M.R. Haines, A.L. Olmstead, R. Sutch, and G. Wright, eds., *Historical Statistics of the United States, Earliest Times to the*

Present—Millennial Edition, Volume 4, Part D, Economic Sectors Cambridge: Cambridge University Press, 2006, pp. 4-7—4-15.

Alston, J.M., and P.G. Pardey. "Agricultural Productivity." Sub-chapter in S.B. Carter, S.S. Gartner, M.R. Haines, A.L. Olmstead, R. Sutch, and G. Wright, eds., *Historical Statistics of the United States, Earliest Times to the Present—Millennial Edition, Volume 4, Part D, Economic Sectors* Cambridge: Cambridge University Press, 2006, pp. 4-19—4-27.

Alston, J.M., and P.G. Pardey. "Productivity and Investments." Section comprising data tables in S.B. Carter, S.S. Gartner, M.R. Haines, A.L. Olmstead, R. Sutch, and G. Wright, eds., *Historical Statistics of the United States, Earliest Times to the Present—Millennial Edition, Volume 4, Part D, Economic Sectors* Cambridge: Cambridge University Press, 2006, pp. 4-193—4-225.

Hertford, R., P.G. Pardey and S.R. Wood. "Prospects for Research and Development in the Agricultural Sector." Chapter in Special Report No. 6. *Documents of the Round Table on Rural Competitiveness* held on March 25, 2004 in Lima, Peru. Washington D.C.: FONTAGRO/IDB, December 2004.

Koo, B., P.G. Pardey and B.D. Wright. "Introduction." Chapter 1 in B. Koo, P.G. Pardey, B.D. Wright, and others. *Saving Seeds: The Economics of Conserving Crop Genetic Resources Ex Situ in the Future Harvest Centers of the CGIAR*. Wallingford U.K.: CAB International, 2004.

Koo, B., P.G. Pardey and B.D. Wright. "The Economics of Genebank Costing." Chapter 2 in B. Koo, P.G. Pardey, B.D. Wright, and others. *Saving Seeds: The Economics of Conserving Crop Genetic Resources Ex Situ in the Future Harvest Centers of the CGIAR*. Wallingford U.K.: CAB International, 2004.

Pardey, P.G., B. Koo, M.E. van Dusen, B. Skovmand, A. Taba and B.D. Wright. "CIMMYT Genebank." Chapter 3 in B. Koo, P.G. Pardey, B.D. Wright, and others. *Saving Seeds: The Economics of Conserving Crop Genetic Resources Ex Situ in the Future Harvest Centers of the CGIAR*. Wallingford U.K.: CAB International, 2004.

Koo, B., P.G. Pardey, J. Valkoun and B.D. Wright. "ICARDA Genebank." Chapter 4 in B. Koo, P.G. Pardey, B.D. Wright, and others. *Saving Seeds: The Economics of Conserving Crop Genetic Resources Ex Situ in the Future Harvest Centers of the CGIAR*. Wallingford U.K.: CAB International, 2004.

Koo, B., P.G. Pardey, N.K. Rao and P.J. Cox. "ICRISAT Genebank." Chapter 5 in B. Koo, P.G. Pardey, B.D. Wright, and others. *Saving Seeds: The Economics of Conserving Crop Genetic Resources Ex Situ in the Future Harvest Centers of the CGIAR*. Wallingford U.K.: CAB International, 2004.

Koo, B., P.G. Pardey and M.T. Jackson. "IRRI Genebank." Chapter 6 in B. Koo, P.G. Pardey, B.D. Wright, and others. *Saving Seeds: The Economics of Conserving Crop Genetic Resources Ex Situ in the Future Harvest Centers of the CGIAR*. Wallingford U.K.: CAB International, 2004.

Koo, B., P.G. Pardey and D. Debouck. "CIAT Genebank." Chapter 7 in B. Koo, P.G. Pardey, B.D. Wright, and others. *Saving Seeds: The Economics of Conserving Crop Genetic Resources Ex Situ in the Future Harvest Centers of the CGIAR*. Wallingford U.K.: CAB International, 2004.

Koo, B., P.G. Pardey and B.D. Wright. "Policy and Management Implications." Chapter 8 in B. Koo, P.G. Pardey, B.D. Wright, and others. *Saving Seeds: The Economics of Conserving Crop Genetic Resources Ex Situ in the Future Harvest Centers of the CGIAR*. Wallingford U.K.: CAB International, 2004.

Pardey P.G. and V.H. Smith. "Overview." Chapter 1 in P.G. Pardey and V.H. Smith, eds. *What's Economics Worth? Valuing Policy Research*. Baltimore: John Hopkins University Press, 2004.

Smith, V.H., P.G. Pardey and C. Chan-Kang. "The Economics Research Industry." Chapter 2 in P.G. Pardey and V.H. Smith, eds. *What's Economics Worth? Valuing Policy Research*. Baltimore: John Hopkins University Press, 2004.

Pardey P.G. and V.H. Smith "What's Economics Worth?: A Summing Up." Chapter 13 in P.G. Pardey and V.H. Smith, eds. *What's Economics Worth? Valuing Policy Research*. Baltimore: John Hopkins University Press, 2004.

Binenbaum, E. and P. G. Pardey. "Intellectual Property Strategy in the Context of Inter-Organizational Relations: The Case of International Agricultural Research." Chapter in R.E. Evenson and V. Santaniello, eds., *The Regulation of Agricultural Biotechnology*, Wallingford: CAB International, 2004.

Boettiger, S., G. Graff, P.G. Pardey, E. van Dusen, and B.D. Wright. "Intellectual Property Rights for Plant Biotechnology: International Aspects." chapter in P. Christou and H. Klee, eds. *Handbook of Plant Biotechnology* Chichester: John Wiley and Sons, 2004.

Koo, B, P.G. Pardey, and B.D. Wright. "Costing the Conservation of Genetic Resources: A Comparison of the CIMMYT and ICARDA Genebanks" Chapter 6 in D. Virchow ed. *Efficient Conservation of Crop Genetic Diversity*. Berlin: Springer-Verlag, 2003.

Pardey, P.G. and B.D. Wright. "Agricultural R&D, Productivity and Global Food Prospects." Chapter 2 in M.J. Chrispeels and D.E. Sadava, eds. *Plants, Genes, and Crop Biotechnology*, 2nd ed. Sudbury: Jones and Bartlett, 2003.

Koo, B, P. G. Pardey, J. Valkoun, and B. D. Wright. "Costs of Conserving Genetic Resources in Ex Situ Genebanks: An Example of the ICARDA Genebank." Chapter in R.E. Evenson, V. Santaniello, and D. Zilberman, eds. *Economic and Social Issues in Agricultural Biotechnology*. Wallingford: CAB International, 2002.

Acquaye, A.K.A., J.M. Alston, and P.G. Pardey. "A Disaggregated Perspective on Post-War Productivity Growth in U.S. Agriculture: Isn't that Spatial?" Chapter 3 in V.E. Ball and G.W. Norton, eds. *Agricultural Productivity: Measurement and Sources of Growth*, Boston: Kluwer Academic Publishers, 2002.

Pardey, P.G., "Biotechnology Markets and Policies—Overview," Chapter 1 in P.G. Pardey, ed. *The Future of Food: Biotechnology Markets and Policies in an International Setting*. Washington D.C.: International Food Policy Research Institute, 2001.

Nottenburg, C., P.G. Pardey, and B.D. Wright, "Addressing Freedom-to-Operate Questions for International Agricultural R&D," Chapter 6 in P.G. Pardey ed. *The Future of Food: Biotechnology Markets and Policies in an International Setting*. Washington D.C.: International Food Policy Research Institute, 2001.

Alston, J.M. and P.G. Pardey. "Reassessing Research Returns: Attribution and Related Problems." in G. Peters and P. Pingali, eds. *Tomorrow's Agriculture: Incentives, Institutions, Infrastructure, and Innovations*. Proceedings of the twenty fourth International Conference of Agricultural Economists, Aldershot, U.K.: Ashgate Publishing, 2001.

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