The Giannini Foundation of Agricultural Economics was founded in 1930 from a grant made by Bancitaly Corporation to the University of California in tribute to its organizer and past president, Amadeo Peter Giannini of San Francisco. Members and associate members of the Giannini Foundation are University of California faculty and Cooperative Extension specialists in agricultural, resource, and environmental economics on the Berkeley, Davis, and Riverside campuses. The broad mission of the Foundation is to promote and support research and outreach activities in agricultural economics and rural development relevant to California. For more information on the Giannini Foundation, please visit our Web site at http://giannini.ucop.edu.

The Giannini Reporter is a biennial summary of the activities of the Foundation and its members. Many of the publications in the Foundation’s Monograph, Research Report, and Information Series are available for downloading in PDF format from the Web site.

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Members and Associate Members of the Giannini Foundation 2005–2007

Berkeley

Michael Anderson, assistant professor. Environmental economics, health economics, and applied econometrics.

Maximilian Auffhammer, assistant professor. Environmental economics and econometrics.

Peter Berck, professor. Environment, renewable resources, water economics, portfolio choice, risk and futures.

Alain de Janvry, professor. Agricultural policy and rural development in the Third World, including price policy, technological change, land reform, and integrated rural development projects.

Anthony C. Fisher, professor. Environmental and resource economics, climate change, decisions under uncertainty.

J. Keith Gilless, professor. Forest economics, management, wildland fire management, regional economics, forest industries and trade.

W. Michael Hanemann, professor. Economics of the environment, nonmarket valuation, economics of water, economics of climate change, economics of irreversibility, disaggregate choice modeling.

Ann Harrison, professor. Trade policy, foreign investment, globalization, developing countries.

Guido W. Imbens, professor. Econometric theory, applied econometrics, program evaluation.

Larry S. Karp, professor. International trade policy, industrial organization, environmental and resource economics, dynamic games.

Jeffrey T. LaFrance, professor. Agricultural policy, econometrics, microeconomic behavior and natural resources.

Ethan Ligon, associate professor. Growth and development, agricultural contracts, applied econometrics, information and uncertainty.

Richard B. Norgaard, professor. Ecological, energy, environmental, and development economics; sociology and epistemology of collectively understanding complex systems.

Jeffrey M. Perloff, professor and chair, Department of Agricultural and Resource Economics and Policy.

Industrial organization, labor, international trade, law and economics, information and marketing.

Gordon C. Rausser, Robert Gordon Sproul Distinguished Professor. Agricultural economics, collective decision-making, futures and options markets, industrial organization, law and economics, natural resource and environmental economics, public policy and economic regulation, quantitative models, statistical decision theory.

David Roland-Holst, adjunct professor. International trade, policy modeling, environment and natural resources, economic growth and development.

Jeffrey M. Romm, professor. Resource and environmental policy; distribution, economic growth, and environment; forest, river basin, and water institutions.


Elisabeth Sadoulet, professor. Economic development, agricultural policy, rural institutions, contract theory.

Leo Simon, adjunct professor. Game theory with applications to agricultural and resource problems, multilateral negotiations, water, private-public partnerships.

David L. Sunding, professor and Cooperative Extension economist. Water resources, land use, wetlands and endangered species, environmental and natural resource policy, law and economics.

Sofia B. Villas-Boas, assistant professor. Applied econometrics, empirical industrial organization.

Brian D. Wright, professor. Agricultural policy; economics of markets for storable commodities, research incentives, conservation of biodiversity, and intellectual property rights; dynamic analysis of patenting of research inputs; theory of commodity price behavior and speculation; crop insurance.

David Zilberman, George and Elsie Robinson Professor. Agricultural, water, and environmental policy design; economics of technological change; pest control and biotechnology; marketing and risk.
Arnold Zellner, adjunct professor. *Econometrics, decision theories.*
Alix Peterson Zwane, Cooperative Extension economist. *Trade and environment, causes of land-use change, incentives for agricultural R&D, climate change policy.*

**Davis**

Julian M. Alston, professor. *Economics of government policy affecting agriculture, natural resources, and economic development.*
Steven C. Blank, Cooperative Extension economist. *Financial and risk management, management decision-making.*
Stephen R. Boucher, assistant professor. *Development economics, economics of agrarian contracts.*
L. J. (Bees) Butler, Cooperative Extension economist. *Dairy and poultry marketing, food and agricultural policy, market structure and technological change, intellectual property rights.*
Hoy F. Carman, professor. *Agricultural marketing, impacts of taxes on agriculture.*
Colin A. Carter, professor. *International trade, futures markets, commodity markets.*
Y. Hossein Farzin, professor. *Environmental and natural resource economics, development economics, energy economics, microeconomics.*
Rachael E. Goodhue, associate professor. *Agricultural marketing, industrial organization, contracting, agricultural policy and regulation.*
Richard D. Green, professor. *Econometrics, demand analysis, price analysis.*
Shermain Hardesty, Cooperative Extension economist. *Cooperatives, value-added marketing, food distribution.*

Lovell S. Jarvis, professor and associate dean, College of Agricultural and Environmental Sciences. *Agricultural and economic development, food and nutrition policy, livestock economics, agricultural research policy, international trade.*
Karen M. Klonsky, Cooperative Extension economist. *Farm management, pest management, sustainable agriculture, cost of production, organic agriculture.*
Hyunok Lee, researcher. *California agriculture, risk management, trade, agricultural policy.*
C.-Y. Cynthia Lin, assistant professor. *Environmental and natural resource economics, energy economics, industrial organization, applied microeconomics.*
Travis J. Lybbert, assistant professor. *Economic development, poverty dynamics, risk and uncertainty, technology transfer and adoption, intellectual property, environment and biodiversity.*
Philip L. Martin, professor. *Immigration policy, farm and rural labor markets, rural development.*
Alan L. Olmstead, professor. *Agricultural history, causes and consequences of technological change, sources of productivity growth, induced innovation, international trade and international diffusion of new technologies.*
Scott D. Rozelle, professor. *Development economics, economics of transition.*
Aaron D. Smith, assistant professor. *Econometrics, finance.*
Daniel A. Sumner, Frank H. Buck, Jr. Professor. *Economics of agriculture, agricultural policy analysis, international trade, wine economics.*
J. Edward Taylor, professor. *Agriculture in economic development, population and human resources, applied econometrics.*
Stephen A. Vosti, associate adjunct professor.
Tropical deforestation; poverty and environment links; climate change; trade-offs among environmental sustainability, growth, and poverty alleviation.

James E. Wilen, professor. Natural resource economics, environmental economics, microeconomics.

Jeffrey C. Williams, Daniel Barton DeLoach Professor. Commodity markets, financial markets, resource economics, mathematical programming, econometrics, economic history.

Riverside

Kenneth Baerenklau, assistant professor.
Environmental and natural resource economics, nonpoint source pollution control, conservation technology adoption, nonmarket valuation.

Bowman (Bo) W. Cutter, assistant professor and Cooperative Extension assistant specialist. Public economics, environmental economics, applied econometrics, water resource economics and federalism.

Linda M. Fernandez, associate professor.
Environmental and natural resource economics, international trade and transboundary pollution, environmental policy analysis.

Keith C. Knapp, professor. Water resource economics, natural resource and environmental aspects of agricultural production, economic growth, natural resources and sustainability.

Kurt A. Schwabe, associate professor. Economics of nonpoint source pollution, nonmarket valuation, deforestation in developing countries, alternative regulatory instruments for pollution control, applied econometrics.

New Appointment – Berkeley
Jeremy Magruder, assistant professor

New Appointment – Davis
Pierre Mérel, assistant professor

Division of Agricultural and Natural Resources
W.R. (Reg) Gomes, vice-president.

Emeriti

Irma Adelman
Lee C. Benson
Oscar R. Burt
Harold O. Carter
Lawrence S. Davis
Kenneth Farrell
Ben C. French
B. Delworth Gardner
Leon Garoyan
George E. Goldman
Dale M. Heien
Warren E. Johnston
Desmond A. Jolly
George G. Judge
Gordon A. King
Sylvia Lane
Elmer W. Learn
Samuel H. Logan
Alex F. McCalla
Chester O. McCorkle
William McKillop
Kirby S. Moulton
Refugio I. Rochin
Robert O. Rock
Gordon A. Rowe
Andrew Schmitz
Lawrence E. Shepard
Jerome B. Siebert
Stephen Sosnick
Dennis E. Teeguarden
Henry J. Vaux, Jr.
L. Tim Wallace
William W. Wood, Jr.
Edward A. Yeary

In Memorium

George B. Alcorn
Jerry Foytik
Jean Lanjouw
John W. Mamer
Doyle A. Reed
John A. Zivnuska
Awards and Honors Received by Giannini Foundation Members, 2005–2007


Maximilian Auffhammer, University of California, Berkeley, College of Natural Resources, Young Faculty/Cooperative Extension Specialist Award, 2007.

Maximilian Auffhammer, University of California, Berkeley, Sarlo Distinguished Graduate Student Mentoring Award, 2007.

Steven C. Blank, Gamma Sigma Delta Honor Society for Agriculture, Member, 2005.


J. Keith Gilless, University of California, Berkeley, Department of Environmental Science, Policy, and Management, Award for Undergraduate Teaching Excellence, 2006.


Desmond A. Jolly, Gamma Sigma Delta Honor Society for Agriculture, Member, 2005.

Desmond A. Jolly, American Agricultural Economics Association, Outstanding Black Agricultural Economist Award, 2005.

George G. Judge, University of California, Berkeley, Distinguished Emeritus of the Year, 2005–2006.

Karen M. Klonsky, Gamma Sigma Delta Honor Society for Agriculture, Member, 2006.


Jeffrey T. LaFrance, Western Agricultural Economics Association, Distinguished Scholar Award, 2006.


Travis J. Lybbert, Florida Atlantic University, Wilkes Honor College, Distinguished Teacher of the Year, 2005–2006.


Jeffrey M. Perloff, University of California, Berkeley, Unsung Hero Teaching Award, 2005.
Howard R. Rosenberg, American Agricultural Economics Association, Outstanding Extension Agricultural Economics Web Site Award, 2005.
Scott D. Rozelle, American Agricultural Economics Association, Quality of Research Discovery Award for “Success and Failure of Reform: Insights from the Transition of Agriculture” in the Journal of Economic Literature, 2005.
Sofía B. Villas-Boas, University of California, Berkeley, Sarlo Distinguished Graduate Student Mentoring Award, 2007.

James E. Wilen, Institute for Transportation Studies, Supervisor for Outstanding Thesis for “Cars and the City: An Investigation of Transportation and Residential Location Choices in New York City” by Deborah Salon, 2005.
James E. Wilen, Duke University Marine Lab, Distinguished Conservation Scholar, 2005.
Arnold Zellner, Erasmus University, Rotterdam, Honorary Degree, 2006.
David Zilberman, University of California, Berkeley, College of Natural Resources, Citation, 2007.
Giannini-Sponsored Research Projects

Projects Funded for 2006–2007

Does the USDA Make Us Fat? Julian M. Alston.
The Causes and Consequences of Rural to Urban Migration in Mexico and China and the Implications for the U.S. (California), Steven R. Boucher, J. Edward Taylor, and Scott D. Rozelle.
A Preliminary Investigation of Demand Determinants for California Nursery and Floral Products, Hoy F. Carman.
The California Strawberry Industry’s Response to State Regulation of Methyl Bromide, James A. Chalfant and Colin A. Carter.
Environmental Quality in California: The Role of Economic, Social, and Political Factors, Y. Hossein Farzin.
The Potential Impact of Global Warming on Irrigated Agriculture in California, Anthony C. Fisher.
Microfilm Preservation Project, UC Berkeley’s Giannini Foundation Library, Susan Garbarino.
California Regional Winegrape Price Determination, Arthur M. Havenner.
Impacts of Developed-Country Food Quality Standards on Agriculture in Developing Countries: Application to the Pineapple Industry in Ghana, Richard J. Sexton and Lovell S. Jarvis.
A Comparison of Farmland Conservation Programs in California, Douglas M. Larson.
Changes to the “Width of the Border” and the Export Competitiveness of California Agriculture, Ethan Ligon.

Bilateral Free Trade Agreements, the Future of International Agriculture Trade? The Effects of a U.S.-Malaysia FTA on the California Lumber Industry and Implications for Other California Agriculture Exports, Alex F. McCalla.
WIC Program’s Effect on Infant Formula Prices and Sales, Jeffrey M. Perloff.
The Effect of Land Trusts on Land Allocation and Housing Prices in California, Gordon C. Rausser.
Explaining Spatial and Temporal Variation in California Gasoline and Diesel Prices, Aaron D. Smith.
Adoption and Potential Precision Farming in California Agriculture, David Zilberman.

Projects Funded for 2007–2008

Public Research for California Specialty Crops, Julian M. Alston.
Advances in Recreation Demand Modeling with an Application to Southern California Wilderness Areas, Kenneth Baerenklau, Bowman Cutter, and Kurt A. Schwabe.
Index Insurance and Agricultural Risk: A Dynamic Analysis, Stephen R. Boucher.
Agricultural Technology Disadoption: California Dairy Producers and Recombinant Bovine Somatropin, Leslie J. Butler.
From Orange Juice to Cattle: Using Intertemporal Price Spreads to Measure the Influence of Hedge Funds in Futures Markets, Colin A. Carter.
Improving Veterinary Health Care Delivery for Underserved Areas: A Pilot Project for Found Valley, California, James A. Chalfant.
Digitization of Historical Cost and Return Studies at the Agricultural and Resource Economics Library, University of California, Davis, Barbara Hegenbart and Pete Livingston.

Water Quality in California: The Role of Economic, Social, and Political Factors, Y. Hossein Farzin.


Economic Wealth and the Extensive Margin, Jeffrey T. LaFrance.

Grape Growers and the Economics of the Powdery Mildew Index, Travis J. Lybbert.

Immigration Reform: Implications for California Agriculture, Philip L. Martin.


The Effect of 9/11 on the Agricultural Labor Market, Jeffrey M. Perloff.


Economics of Environmental Services in California Agriculture, James E. Wilen.
Berkeley

Emma Aisbett, Three Essays on Globalization and Sustainable Development.
Sarah Baird, Three Seemingly Unrelated Essays in Development Economics.
Sara Boettiger, Weak Patents, Open Source Patenting, and Implications of the Bayh-Dole Act in Developing Countries.
Christopher Busch, Deforestation in the Southern Yucatan: Recent Trends, Their Causes, and Policy Implications.
Claudio Ferraz Do Amaral, Essays on the Political Economy of Corruption and Environmental Regulation in Brazil.
Frederico Finan, Political Patronage, Corruption, and Local Development.
Meredith Fowlie, Firm Behavior in Pollution Permit Markets.
Michelle McGregor, The Economics of Environmental Permitting.
Karina Schoengold, Natural Resource Pricing, Allocation, and Capital Investment.
Manisha Shah, Risk Behavior, Occupational Choice, and Regulation of Sex Workers: Evidence from Ecuador and Mexico.
Ralf Steinhauer, Emissions Forecasting and Voluntary State and Firm Level Reductions.
Ruth Uwaifo, Three Essays on the Return to Education Enigma in Nigeria.
Hendrik Wolff, Testing Simulation and Structural Models with Applications to Energy Demand.

Davis

Matt Andersen, Pro-cyclical Productivity Patterns in U.S. Agriculture.
Craig Bond, Time and Trade-offs in Agroecosystem Environments: Essays on Natural Resource Use and Sustainability.
Catherine Guirkinger, Risk and the Structure of Rural Credit Markets.
Caroline Gunning-Trant, AD infinitum: The Use and Impact of NAFTA Trade Remedy Law.
Qiuqiong Huang, Water Pricing Policy in Rural China.
Krista Jacobs, Nutrition Interventions in Northern Ghana: Determinants of Participation and Impacts on Knowledge and Practice.
Yun-shik Kim, Net Benefits of the Adoption of Tong-il Rice in Korea.
Gorm Kipperberg, Pro-Environmental Behavior and Preferences: Empirical Investigations of Participation in and Willingness to Pay for Community Recycling Programs.
Kent Kovacs, Natural Amenity Benefits and the Residential Development Market.
Xianghong Li, Agricultural Tariff Rate Quotas: Impacts on Market Access.
Pierre Mérel, Three Essays on Supply Control Policies in Protected Designations of Origin.

Deborah Salon, *Cars and the City: An Investigation of Transportation and Residential Location Choices in New York City.*

Danielle Torres, *Three Essays on Agricultural Industries’ Market Structure and Export Performance in Brazil and Orange Juice Demand in the United States.*

Emi Uchida, *Forest Ecosystem Services and Rural Development: The Grain for Green Program in China.*

Hirotugu Uchida, *Collective Fishery Management in TURFs: The Role of Effort Coordination and Pooling Arrangements.*

Rocio Uria, *Determinants of Natural Gas Storage Decisions in California: Seasonality, Regulation, and Futures Prices.*

Santhi Wicks, *Optimal Sustainable Agricultural Technologies: An Empirical Analysis of California Cover Cropping.*


**Riverside**


The purpose of the Monograph Series is to provide an outlet for reports of research that are longer than journal papers but directed to the same audience and appraised by criteria equivalent to those of leading technical journals in agricultural economics. The first seventeen monographs were published in the University of California's *Hilgardia* series. In 1967, the Giannini Foundation began a separate series for reports in agricultural economics but continued the numbering sequence.

**Monograph Abstract**


Stakeholder negotiation is an increasingly important policymaking tool. However, relatively little is understood about the relationship between the structure of the negotiating process and the effectiveness with which stakeholders can pursue their individual interests. We apply the Rausser-Simon multilateral bargaining model to a specific negotiation process involving water storage capacity and use in the upper Adour Basin in southwestern France. We focus on a coalition of three stakeholder groups with aligned but distinct interests. In addition to the standard indices of bargaining power—the distribution of political weights (“access”) and players’ utilities if an agreement is not reached, our analysis identifies other less obvious sources of power. First, a coalition member may benefit when his access is reduced if the redistribution increases the access of another coalition member who has a more favorable “strategic location.” Second, the interests of the coalition as a whole will usually, but not always, be advanced if its members cede access to a “spokesman” representing their common interests. However, some members may be adversely affected.

Third, restricting the extent to which coalition members can make proposals that further their own individual interests at the expense of other coalition members will usually, but not always, harm the coalition as a whole.

**The Research Report Series**

The Research Report Series is designed to communicate research results to specific professional audiences (e.g., agricultural industry economists, resource agency staffs, and other professionals) interested in applications. Such reports have significant analytical content but are developed and presented with this audience in mind.

**Information Series Reports**

Reports in the Information Series communicate selected research results to a lay audience. The Information Series is numbered serially within years.

**Special Reports**

Special Reports provide an outlet for items that are worthy of publication but do not fit into other series.
**Articles in ARE Update, 2005–2007**

**Vol. 8, No. 6, July/Aug, 2005**


**Vol. 9, No. 1, Sept/Oct, 2005**

Co-editors’ Introduction. “Special Issue: China’s Agricultural Boom, with Implications for California.”


**Vol. 9, No. 2, Nov/Dec, 2005**


Baylis, K., and J.M. Perloff. “End Runs around Trade Restrictions: The Case of the Mexican Tomato Suspension Agreements.”

**Vol. 9, No. 3, Jan/Feb, 2006**


**Vol. 9, No. 4, Mar/Apr, 2006**

Martin, P.L. “Immigration Reform: Implications for Agriculture.”


Jarvis, L.S., J.E. Bervejillo, and J.P. Cancino. “Are International Beef Prices Converging and If So, Why?”

**Vol. 9, No. 5, May/June, 2006**


Fisher, A.C. “Determinants of California Farmland Values and Potential Impacts of Climate Change.”


**Vol. 9, No. 6, July/Aug, 2006**


Vol. 10, No. 1, Sept/Oct, 2006
Auffhammer, M. “Is Dust ’Busting’ Crop Yields?”
Zwane, A.P., and M. McMillan. “OECD Support for Agriculture: Has it Historically Harmed Poor Countries?”

Klonsky, K.M. “E. Coli in Spinach, Foodborne Illnesses, and Expectations about Food Safety.”
Carter, C.A. “Economics of the California Processing Tomato Market.”
Karp, L. “Why We Should Be Willing to Devote More Resources to Avoid Climate Change.”

Vol. 10, No. 3, Jan/Feb, 2007
Uria, R., and J. Williams. “Are Natural Gas Flows Responsive to Price Spikes?”
Hardesty, S.D. “Role of Direct Marketing in California.”

Vol. 10, No. 4, Mar/Apr, 2007
Howitt, R.E. “Delta Dilemmas: Reconciling Water-Supply Reliability and Environmental Goals.”

Vol. 10, No. 5, May/June, 2007
Sumner, D.A. “The New Farm Bill: Implications for California Agriculture.”

Publications of Foundation members from mid-2005 through mid-2007 are listed below. Citations are grouped in several broad categories to assist users of the Reporter. For books, contact publishers for price and ordering information or check with your local bookstore or library. Journals and other publications referenced may be available at your nearest university or large public library. You may contact the authors directly to request reprints. The Foundation does not distribute reprints.

**Economic Development; International**


Giannini Foundation of Agricultural Economics


**Human Resources; Community Development; Consumer Economics**


**Marketing and Trade**


**Microeconomic Theory**


**Natural Resources; Environmental Economics**


Wilen, J.E., et al., Committee on Ecosystem Effects of Fishing: Phase II – Assessments of the Extent of Change and the Implications for Policy. *Dynamic Changes in Marine Ecosystems: Fishing, Food Webs,

Policy


Quantitative Methods


**Other**


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<td>Empirical Analysis of Demand under Consumer Budgeting, 1972</td>
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<td>Production Functions and Linear Programming Models for Dairy Cattle Feeding, 1972</td>
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<td>Econometric Analysis of Production Decisions with Government Intervention, 1974</td>
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<td>Regional Efficiency in the Organization of Agricultural Processing Facilities . . . Pears, 1975</td>
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<td>Production Functions and Supply Application for California Dairy Farms, 1976</td>
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<td>Cost Economies and Market Power in U.S. Beef Packing, 2000 .. ..................................</td>
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<td>Economic Consequences of Mandated Grading and Food Safety Assurance.........................</td>
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<td>330</td>
<td>Economic Evaluation of Mosquito Control and Narrow Spectrum Mosquitocide, 1981</td>
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<td>An Analysis of Economic Relationships and Projected Adjustments in . . Tomato[es], 1981</td>
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<td>An Annual Planning Model for Food Processing, 1984</td>
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<td>Demand for Alfalfa Hay in California, 1986</td>
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<td>A Study of the Interdependent Food Stamp Program, 1987</td>
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<td>An Analysis of Economic Adjustments in the California-Arizona Lemon Industry, 1987</td>
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<td>A Statistical Profile of Horticultural Crop Farm Industries in California, 2004 ...........</td>
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<td>The Wages and Fringe Benefits of Unionized California Farmworkers, 1988</td>
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<td>Impacts on California Agriculture of a Ban on Rice Straw Burning, 1990</td>
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<td>The Availability and Prices of Consumer Goods and Services in Small Towns in No. California, 1991</td>
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<td>California Field Crops: Location and Trends in Acreage, Yields, and Production, 1994 ....</td>
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<td>California Vegetable Crops: Production and Markets, 1994 ....................................</td>
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<td>Mandated Marketing Programs for California Commodities, 1996</td>
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<td>California Agriculture: Dimensions and Issues, 2003 ............................................</td>
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<td>Economic Contributions of the California Nursery Industry, 2004</td>
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