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34TH ANNUAL CONFERENCE

AUSTRALIAN AGRICULTURAL ECONOMICS SOCIETY
UNIVERSITY OF QUEENSLAND, BRISBANE,
12-15 FEBRUARY 1990

Presidential address

Fisher, B. S. (Australian Bureau of Agricultural and Resource Economics), 'Issues in resource management'.

Invited papers

- Carter, C. and Alston, J. (University of California, Davis), 'The benefits and costs of farm programs'.
- Chambers, B. (University of Maryland), 'What do aggregate supply and demand curves mean?'
- Dowrick, S. (Australian National University), 'Industrialisation and economic growth'.
- Green, G. (Australian Bureau of Agricultural and Resource Economics), 'Management policies for the southeast trawl fishery: an economic analysis'.
- Kraft, D. (University of Manitoba), 'Returns to research on biotechnology'.
- Lawrence, D. and Zeitsch, J. (Industries Assistance Commission), 'A disaggregated model of agricultural production response'.
- Lindner, B. (University of Western Australia), 'Something fishy in the individual transferable quotas market'.
- Martin, W. (Australian National University), 'Agriculture in economic development'.
- Mullen, J. (NSW Agriculture & Fisheries), 'Returns to farm R&D in the wool industry'.
- Piggott, R. (University of New England), 'What is meant by market instability?'
- Sandrey, R. and Reynolds, R. (MAFCorp New Zealand), 'Economic liberalisation: consequences for New Zealand agriculture'.
- Webb, I. (NSW Egg Corporation), 'Deregulation of the egg industry: a progress report'.
- Wright, B. (University of California, Berkeley), 'Smoothing the income of primary product exporters'.

Contributed papers

- Ahmadi-Esfahani, F. Z. (University of Sydney), 'The political economy of the Canada-US free trade agreement'.
- Ahmadi-Esfahani, F. Z. (University of Sydney), 'An open model of curriculum content knowledge in agricultural postgraduate degree programs'.
- Antony, G., Anderson, J. R. and Kauzi, G. Y. (University of New England), 'Prediction of the aggregate effects of agricultural research: *ex-ante* analysis of export-crop research in Papua New Guinea'.
- Arch, A. M. J. (Department of Agriculture and Rural Affairs, Victoria), 'Pesticide costs - measuring welfare costs with marginal analysis'.

- ...ley, P., Cashin, P. and Verspay, H. (Department of Agriculture and Rural Affairs, Victoria), 'Assessing the equity and efficiency effects of price underwriting schemes - an application of option pricing theory'.
- ...tterham, R. L. and MacAulay, T. G. (University of Sydney), 'Price-linked farm and spatial equilibrium programming models'.
- Bewley, R., Brakey, J. and Phillips, S. (University of New South Wales), 'The current account, the dollar, and Australia's potential to export: the effects of tight monetary policy'.
- Braden, J. B., Herricks, E. E. and Larson, R. S. (University of Illinois), 'Impact targets versus discharge standards in agricultural pollution management'.
- Brakey, J. and Bewley, R. (University of New South Wales), 'The demand for Australian oil reserves: issues in long term forecasting'.
- Brennan, D. and Lindner, R. K. (University of Western Australia), 'Economies of throughput and peak transport costs in the grain distribution system'.
- Brennan, J. P., Warham, E. J. and Byerlee, D. (Department of Agriculture, NSW), 'Evaluating the economic impact of quality reducing, seed-borne diseases: lessons from karnal bunt of wheat'.
- Briggs, D. (NSW Agriculture & Fisheries), 'The optimal control of corn rootworm in Minnesota'.
- Buning, T. W. (Queensland Department of Primary Industries), 'An economic evaluation of reverse osmosis for interregional milk transportation in Australia'.
- Chandra, S. (Australian International Development Assistance Bureau, Canberra), 'Australian aid experience in the agriculture, forestry and fisheries sectors of the less developed countries'.
- Chenhall, D., Fraser, R. and Lloyd-Smith, J. (University of Western Australia), 'Beef quality preferences in Western Australia'.
- Chisholm, A. H. (La Trobe University), 'Global climatic change: an economist's view'.
- Collins, D. and Poulter, D. (Australian Bureau of Agricultural and Resource Economics), 'Estimation of welfare gains from the parasite control program "wormkill"'
- Cora, G., Harris, D. and Dickson, A. (Australian Bureau of Agricultural and Resource Economics), 'Pacific basin meat trade: the impact of a change in feed grain prices'.
- Cumming, R. and Parton, K. A. (University of New England), 'An investigation of the relationship between business and financial risk arising target - MOTAD: a case study in the Victorian Mallee'.
- Darwell, G. (Australian Meat and Livestock Corporation), 'The economic impact of the ban(s) on hormonal growth promotants: strategies for Australia'.
- Davidson, B., MacAulay, T. G. and Powell, R. (University of New England), 'A spatial equilibrium model of eastern Australian dairy industry'.
- Davis, J. and Bantilan, M. C. (ACIAR/National Development Studies Center), 'Import replacement and export enhancement as an

objective of agricultural research policy: interpretation and measurement'.

Delforce, J. (University of New England), 'Programming model of Tongan smallholder agriculture: profit maximization, subsistence consumption and risk'.

Dickson, A., Harris, D. and Corra, G. (Australian Bureau of Agricultural and Resource Economics), 'South Korean beef industry: potential impact from liberalization'.

Ekanayake, R. (Australian National University), 'A review of public policy in agricultural research in the United States'.

Ekanayake, R. (Australian National University), 'Women and access to sources of household energy: value of labour and resource scarcities in peasant economies of South Asia'.

Eshan, A. (Department of Industry, Technology and Resources, Victoria), 'Economic rent, taxation and the water industry'.

Etherington, D. M. (Australian National University), 'Should agro-industrial research be funded from the public purse? The case of integrated coconut processing for the South Pacific'.

Evison, D. (Forest Research Institute, New Zealand), 'The New Zealand wood products industry in the 1980's'.

Farquharson, R. J. and Griffith, G. R. (NSW Agriculture & Fisheries), 'An assessment of the potential economic returns to the Australian beef industry from twinning'.

Foster, M. and Davidson, H. (Australian Bureau of Agricultural and Resource Economics), 'Forecasting Australia's monthly shorn wool exports'.

Fraser, K., 'The economics of acid soils'.

Fraser, R. W. and Murrell, A. J. (University of Western Australia), 'The Australian wool corporation's reserve price scheme: an assessment of price stabilisation and producer benefits'.

Fry, C. (National Australia Bank), 'Factors influencing the financial viability of the Australian family farm in the 1980's'.

Gaffney, J. and Sondergeld, L. (Toowoomba), 'The variable costs of providing wheat segregation services in central Queensland'.

Geen, G., Brown, D. and Pascoe, S. (Australian Bureau of Agricultural and Resource Economics), 'Management policies for the south east trawl fishery: an economic analysis'.

Gomboso, J. (University of Western Australia), 'Economic modelling of dryland salinity in Western Australia'.

Griffith, G. R. and Moore, W. B. (NSW Agriculture & Fisheries), 'Processing and marketing margins for lamb, mutton and beef in New Zealand'.

Harris, D. and Corra, G. (Australian Bureau of Agricultural and Resource Economics), 'The US-Canadian free trade agreement and EC beef sales to Canada: implications for Australia'.

Harris, M. S. and Lloyd, A. G. (University of Melbourne), 'Evaluating the returns to agricultural research: a survey'.

Hertzler, G. (University of Western Australia), 'Dynamically optimal adoption of discrete land degrading and renewing farming techniques'.

Holmes, W. E. (Townsville), 'Effect of changing prices and herd parameters on age of male turnoff from northern beef herds'.

Johnson, T. C. (Ohio State University), 'World soybean market competition: the case of US, Brazil and Argentina'.

Keyworth, B. (USDA Economic Research Service), 'Interactions between agricultural policies and the environment'.

Jarvis, P., Stent, A. and Harvey, S. (MAFTech, Invermay, New Zealand), 'A stochastic model for financial forecasting at the farm level'.

Johnson, R. W. M. (Ministry of Agriculture, New Zealand), 'Recent changes in the financial status of New Zealand farmers'.

Jones, R. and Marshall, G. (NSW Agriculture & Fisheries), 'The economics of salinity, waterlogging and surface drainage in Benerembah irrigation district'.

Kane, Milham and Sturgiss, 'An analysis of the demand for new horticultural crops: mangoes as a case study'.

Keyworth, S. W. (Dwyer Leslie Pty. Ltd.), 'Kerang lakes irrigation area impact of irrigation water quality on agricultural sector income'.

Keyworth, S. W. (Dwyer Leslie Pty. Ltd.), 'Kerang lakes irrigation area agricultural sector structure'.

Kingston, G. A., Smith, P. and Beare, S. (Australian Bureau of Agricultural and Resource Economics), 'Japanese seafood demand'.

Kingwell, R. (Western Australian Department of Agriculture), 'Optimal strategies for regional yield tests of wheat cultivars'.

Kneebone, V., Beare, S., Geldard, J. and Short, C. (Department of Agriculture and Rural Affairs, Victoria), 'Demand for meat in the Middle East'.

Lawrence, D. (Industries Assistance Commission), 'The supply response of Australian agricultural exports'.

Lawrence, D. (Industries Assistance Commission), 'A generalised McFadden cost function for Australian agriculture'.

Lawrence, D. and Zeitsch, J. (Industries Assistance Commission), 'A disaggregated model of Australian agricultural production response'.

Low, J. and Hinchy, M. (Australian Bureau of Agricultural and Resource Economics), 'Estimation of supply response in Australian broadacre agriculture: the multiproduct approach'.

MacAulay, T. G., Thomas, W. C. and Musgrave, W. F. (University of New England), 'Simultaneity in the determination of assistance to agriculture: revisited'.

McDougall, R., Quirke, D. and Zeitsch, J. (Industries Assistance Commission), 'Industry assistance and sectoral factor income'.

MacIntosh, R. (University of Sydney), 'The factors affecting demand for fluid milk in New South Wales'.

MacLeod, N. D. and Johnston, B. G. (CSIRO), 'An economic framework for considering rangeland restoration options'.

McRae-Smith, K. G., Mullen, J. D. and Griffith, G. R. (NSW Agriculture & Fisheries), 'Evaluating R & D activities in the Australian pig industry'.

Masae, A. and Cramb, R. A. (University of Queensland), 'Women's role in agriculture in Southern Thailand: the impact of new rice technology'.

- Milham, N., Davenport, S. and Penm, J. H. (Australian Bureau of Agricultural and Resource Economics), 'Substitution relations in Australian beverage consumption'.
- Mues, C. (Australian Bureau of Agricultural and Resource Economics), 'An analysis of marketing operations for cotton in Australia'.
- Naik, G. and Leuthold, R. M. (Indian Institute of Management), 'Identifying factors affecting corn basis relationships using a general theory'.
- Nisbet, A. (Nagoya University), 'Wholesale pricing of primal cuts in Japan: a comparison of Wagyu and Holstein cattle'.
- North, R. M., Sellers, J., Katcher, K. J. and Guan, W. (University of Georgia), 'Analyzing alternative water resource management options in South China'.
- Nusantoro, A. and Cramb, R. A. (University of Queensland), 'Land-use targets in Javanese agriculture: an institutional analysis'.
- Ockwell, A. P., Parton, K. A., Nguluu, S. and Muhammad, L. (Australian Bureau of Agricultural and Resource Economics), 'Farming systems of the semi-arid tropics of Eastern Kenya: a case study of 16 farms'.
- O'Mara, L. P. and Walshaw, T. (Australian Bureau of Agricultural and Resource Economics), 'Some implications of inflation adjustment of interest payments on Australia's foreign debt'.
- O'Sullivan, M. H. (Fractionated Cane Technology Ltd.), 'Sugar cane: biological and environmental considerations, alternative uses and economies of scale'.
- Owen, K. (University of New England), 'An analysis of strategic management in the NSW wine production industry'.
- Pandey, S. (University of New England), 'An economic framework for evaluating the size of benefits from weeds research'.
- Passmore, J. G. (Queensland Department of Primary Industries), 'Profitability, stocking rates and land degradation in the Mulga region of south west Queensland'.
- Penm, J. H. and Gerardi, W. (Australian Bureau of Agricultural and Resource Economics), 'Some estimates of the price elasticity of demand for feed grains in Australia'.
- Phillips, S. and Bewley, R. (University of New South Wales), 'The effects of flexible exchange rates on Australian wool prices'.
- Piggott, R. R., Parton, K. A. and Treadgold, E. M. (University of New England), 'Indonesian rice price policy: sufficient for self-sufficiency'.
- Rauniyar, G. P. and Goode, F. M. (Pennsylvania State University), 'Rate of technological adoption for the third world agriculture'.
- Rish, B., McClintock, D. and Johnston, J. (NSW Agriculture & Fisheries), 'The costs and utilization of farm trucks for grain transport in southern NSW'.
- Sappideen, B. (Soil Conservation Service of NSW), 'Dryland salinity in New South Wales: landholder awareness and economic factors'.
- Scobie, G. M., Mullen, J. D. and Alston, J. M. (Scobie Economic Research, New Zealand), 'The returns to farm R & D in the Australian wool industry'.
- Short, C. and Beare, S. (Australian Bureau of Agricultural and

- Resource Economics), 'Fibre substitution in retail demand for apparel'.
- Simpson, Y. L. and Kaine-Jones, G. (University of New England), 'Cluster analysis of cotton planting strategies in the Namoi Valley'.
- Sinden, J. A. (University of New England), 'Log or preserve? An extension of the characteristics model of consumer choice to value benefits of preserving native forest'.
- Soe, U. T. (University of Sydney), 'Agricultural development in Burma: problems and prospects'.
- Sri-Ramaratnam, S. and Reynolds, R. (MAFCorp New Zealand), 'New Zealand pastoral sector supply responses'.
- Sterland, B. (Australian Bureau of Agricultural and Resource Economics), 'Australian demand for imports in the 1980's'.
- Strong, A., Johnston, J., Green, W. and Marshall, G. (NSW Department of Agriculture & Fisheries), 'Estimating the financial impact on producers of deregulation in the NSW egg industry'.
- Sumner, N. R. (CSIRO), 'Detecting misspecification of functional form in hedonic price equations using recursive residuals'.
- Tisdell, C. (University of Queensland), 'Exploring the demand for farmed giant clams and their components: approaches and problems'.
- Tunstall, A. W. (Charles Sturt University - Riverina), 'Corruption! At Flemington markets?: a case study in public policy'.
- Vere, D. T. and Griffith, G. R. (NSW Agriculture & Fisheries), 'Forecasting in the New South Wales prime lamb market'.
- Verspay, H. (Department of Agriculture and Rural Affairs, Victoria), 'Estimating input demand for the Australian meat processing industry'.
- Vlastuin, C. and Wohlers, T. (University of Queensland), 'The decision to fund a research proposal: some results for wool production research'.
- Voon, J. P. and Edwards, G. W. (La Trobe University), 'Incentives for wheat grain quality improvement research: a multilevel trade analysis'.
- Voon, J. P. and Edwards, G. W. (La Trobe University), 'Economic payoffs from reduction in the incidence of dark-cutting beef in Australia'.
- Voon, J. P. and Edwards, G. W. (La Trobe University), 'Research payoffs from quality improvement: the case of backfat depth in pig carcasses'.
- Voon, J. P. and Edwards, G. W. (La Trobe University), 'A note on the calculation of research benefits with linear and non-linear specifications of demand and supply functions'.
- Wan, G. H. (University of New England), 'Institutional effect on changes in Chinese foodgrain output and its variability'.
- Wang, K. M. and Lindner, R. K. (University of Western Australia), 'Rangeland degradation and rehabilitation under optimal management decisions'.
- Weber, J. and Chadee, D. (Massey University, New Zealand), 'Evaluating the economic impacts of climate change: a framework for policy analysis'.

- Wegener, M. K. (Bureau of Sugar Experiment Stations), 'Rick analysis in sugar cane production'.
- Whan, I. and Johnson, R. (Livestock and Meat Authority of Queensland), 'Payment for export steers according to estimated lean meat yield'.
- Whybrow, E. and Diamond, C. T. P. (Queensland Department of Primary Industries), 'Usage and important attributes of information sources employed in formulating tomato price expectations'.
- Wilcox, C. (Department of Agriculture and Rural Affairs, Victoria), 'Assessing policy options for the Australian dairy industry'.
- Williams, C. H. and Bewley, R. (University of Queensland), 'The transmission of price information at Queensland cattle auctions'.
- Wu, 'Appraising the demand for domestic and imported fruit and fruit products in Taiwan'.
- Young, R. and Carter, M. (CSIRO), 'The economic evaluation of environmental research - south-east forests case study'.