



AgEcon SEARCH
RESEARCH IN AGRICULTURAL & APPLIED ECONOMICS

The World's Largest Open Access Agricultural & Applied Economics Digital Library

This document is discoverable and free to researchers across the globe due to the work of AgEcon Search.

Help ensure our sustainability.

Give to AgEcon Search

AgEcon Search

<http://ageconsearch.umn.edu>

aesearch@umn.edu

*Papers downloaded from **AgEcon Search** may be used for non-commercial purposes and personal study only. No other use, including posting to another Internet site, is permitted without permission from the copyright owner (not AgEcon Search), or as allowed under the provisions of Fair Use, U.S. Copyright Act, Title 17 U.S.C.*

Vol XLIV
No. 1

ISSN 0019-5014

JANUARY-
MARCH
1989

INDIAN JOURNAL OF AGRICULTURAL ECONOMICS



INDIAN SOCIETY OF
AGRICULTURAL ECONOMICS,
BOMBAY

**THE INDIAN SOCIETY OF AGRICULTURAL
ECONOMICS, BOMBAY**

Aim and Objects:

To promote the study of social and economic problems of agriculture and rural areas and also to promote technical competence for teaching and research in Agricultural Economics and allied subjects through:

- (a) research in problems of agricultural economics and rural development;
- (b) periodical Conferences and Seminars;
- (c) publication of books, reports, papers or summaries of papers either separately or collectively, or in a periodical which may be issued under the auspices of the Society;
- (d) co-operation with other institutions having similar objects, such as the International Association of Agricultural Economists and the Indian Economic Association, etc.

OFFICE-BEARERS FOR THE YEAR 1989

President

Prof. V.M. Dandekar

Vice-Presidents

Dr. G.R. Saini
Dr. S.B.L. Gupta
Dr. T.K. Meti
Dr. V.M. Rao
Dr. P.C. Sarkar

Hon. Secretary and Treasurer

Dr. J.N. Barmeda

Hon. Jt. Secretary

Dr. (Miss) S.D. Sawant

President-Elect for the 49th Annual Conference

Dr. C.H. Hanumantha Rao

Executive Committee Members

Dr. K.R. Chowdry
Dr. R.V. Dadibhavi
Dr. R.R. Doshi
Dr. S.S. Guliani
Dr. S.C. Patnaik
Dr. R.S. Prihar
Dr. (Ms) Jogmaya Saikia
Dr. P.M. Sharma
Dr. Rohit Shukla
Dr. G.N. Singh
Prof. R.N. Soni
Dr. S.C. Tewari

WITH NO. 1, VOL. XLV

**INDIAN JOURNAL OF
AGRICULTURAL ECONOMICS**



INDEX TO VOLUME XLIV,

1989

THE INDIAN SOCIETY OF AGRICULTURAL ECONOMICS

BOMBAY-400 001

INDEX TO INDIAN JOURNAL OF AGRICULTURAL ECONOMICS
VOLUME XLIV, 1989

ARTICLES

	No.	Page
Acharya, Sarthi, Agricultural Wages in India: A Disaggregated Analysis	2	121
Achuthan, C.V.; Nachane, D.M. and Sawant, S.D., Agriculture and Industry: A Study of Selected Linkages	2	140
Bhuleshkar, Ashok V. and Panchamukhi, V.R., Summaries of Group Discussion: Foreign Trade and Export Potential of Agricultural Commodities	4	413
Chopra, Kanchan, Land Degradation: Dimensions and Causalities	1	45
Chopra, Kanchan, Summaries of Group Discussion: Water Resources Management	4	404
Dan, S.S.; Datta, Kamal Kumar and Datta, Amal Kumar, Productivity, Profitability and Financial Feasibility in Capture Fishery—A Study in Orissa Coast	2	150
Dantwala, M.L., Estimates of Demand for Credit and Its Role in Poverty Alleviation	4	416
Datta, Amal Kumar; Datta, Kamal Kumar and Dan, S.S., Productivity, Profitability and Financial Feasibility in Capture Fishery—A Study in Orissa Coast	2	150
Datta, Kamal Kumar; Dan, S.S. and Datta, Amal Kumar, Productivity, Profitability and Financial Feasibility in Capture Fishery—A Study in Orissa Coast	2	150
Dev, Mahendra S., Towards an Explanation of Spatial and Temporal Variations in Cropping Intensity in India	1	27
Dhawan, B.D., Water Resource Management: Issues and Dimensions	3	233
Julka, A.C. and Sharma, P.K., Measurement of Land Inequality in India: A Revision of the Lorenz Gini Ratio	4	423
Lalwani, Mahesh, Technological Change in India's Dairy Farming Sector: Distribution and Decomposition of Output Gains	1	55
Mujumdar, N.A., Summaries of Group Discussion—Subject II - Institutional Credit - Rural	1	20
Muranjan, S.W., Summaries of Group Discussion—Subject I - Forestry (including Social Forestry) in the Context of Economic Development	1	17
Nachane, D.M.; Sawant, S.D. and Achuthan, C.V., Agriculture and Industry: A Study of Selected Linkages	2	140
Panchamukhi, V.R., Keynote Paper - International Agricultural Trade: Some Policy Issues	4	399
Panchamukhi, V.R. and Bhuleshkar, Ashok V., Summaries of Group Discussion: Foreign Trade and Export Potential of Agricultural Commodities	4	413
Rao, Hanumantha, C.H., Presidential Address - Technological Change in Indian Agriculture: Emerging Trends and Perspectives	4	385
Rao, V.K.R.V., Inaugural Address - Some Reflections on the Problems Facing Indian Agriculture	4	379
Sawant, S.D.; Nachane, D.M. and Achuthan, C.V., Agriculture and Industry: A Study of Selected Linkages	2	140
Seetharaman, S.P. and Srivastava, U.K., Summaries of Group Discussion: Agro-Processing Industries	4	407
Sharma, P.K. and Julka, A.C., Measurement of Land Inequality in India: A Revision of the Lorenz Gini Ratio	4	423
Singh, I.J., Agricultural Instability and Farm Poverty in India	1	1
Singh, L.R., Summaries of Group Discussion—Subject III - Commercial Crops (excluding Plantation Crops)	1	24
Srivastava, U.K., Agro-Processing Industries: Potential, Constraints and Task Ahead	3	242
Srivastava, U.K., and Seetharaman, S.P., Summaries of Group Discussion: Agro-Processing Industries	4	407
Summaries of Papers on Water Resources Management	3	257
Summaries of Papers on Agro-Processing Industries	3	311
Summaries of Papers on Foreign Trade and Export Potential of Agricultural Commodities	3	349

INDIAN JOURNAL OF AGRICULTURAL ECONOMICS

RESEARCH NOTES

	No.	Page
Abeygunawardena, Piyasena and Bessler, David A., Assessment of the Green Revolution in Sri Lanka: Adaptive Regression Approach	2	177
Bandyopadhyay, Alok, Growth and Instability in the Production of Main Cereal Crop of West Bengal and Punjab-Haryana, 1950-51 to 1984-85-A Note	2	168
Bessler, David A. and Abeygunawardena, Piyasena, Assessment of the Green Revolution in Sri Lanka: Adaptive Regression Approach	2	177
Diwakar, G.D., Impact of Mechanisation on Labour Employment in Well Irrigation, Western Rajasthan		436
Kishore, V.V.N., Economics of Wood Gasifier Systems for Irrigation Pumping	1	72
Kumar, Praduman and Mruthyunjaya, Price Policy and Marketed Surplus of Paddy and Wheat in India	4	430
Mitra, Tushar Kanti, Growth and Instability of Agricultural Prices in West Bengal: A Note	1	67
Mruthyunjaya and Kumar, Praduman, Price Policy and Marketed Surplus of Paddy and Wheat in India	4	430
Nair, K.N. and Narayana, D., Trends in Area, Production and Productivity of Coconuts in Kerala	2	159
Narayana, D. and Nair, K.N., Trends in Area, Production and Productivity of Coconuts in Kerala	2	159
Reddy, A. Nakula, Farm Supply Response of Paddy-A Case Study of Andhra Pradesh	4	444

INDIAN JOURNAL OF AGRICULTURAL ECONOMICS



(Organ of the Indian Society of Agricultural Economics)

Vol. XLIV	JANUARY-MARCH 1989	No. 1
-----------	--------------------	-------

CONTENTS

	Page
SUPPLEMENT TO CONFERENCE NUMBER: JULY-SEPTEMBER 1988	
Presidential Address-	
Agricultural Instability and Farm Poverty in India	<i>I.J. Singh</i> 1
Summaries of Group Discussion:	
Subject I-Forestry (including Social Forestry) in the Context of Economic Development	<i>S.W. Muranjan</i> 17
Subject II-Institutional Credit-Rural	<i>N.A. Mujumdar</i> 20
Subject III-Commercial Crops (excluding Plantation Crops)	<i>L.R. Singh</i> 24
ARTICLES	
Towards an Explanation of Spatial and Temporal Variations in Cropping Intensity in India	<i>S.Mahendra Dev</i> 27
Land Degradation: Dimensions and Causalities	<i>Kanchan Chopra</i> 45
Technological Change in India's Dairy Farming Sector: Distribution and Decomposition of Output Gains	<i>Mahesh Lalwani</i> 55
RESEARCH NOTES	
Growth and Instability of Agricultural Prices in West Bengal: A Note	<i>Tushar Kanti Mitra</i> 67
Economics of Wood Gasifier Systems for Irrigation Pumping	<i>V.V.N. Kishore</i> 72
BOOK REVIEWS (see next page)	.. 81
REVIEWS IN BRIEF	.. 112
PUBLICATIONS RECEIVED	.. 118

BOOK REVIEWS

			Page
Agarwal, N.L.	<i>Agricultural Prices and Marketing in India (An Analytical Study of Rajasthan)</i>	M.L. Purohit	81
Bhatia, B.M.	<i>Indian Agriculture: A Policy Perspective</i>	C. Ramasamy	82
Boyce, James K.	<i>Agrarian Impasse in Bengal: Institutional Constraints to Technological Change</i>	S. Bhattacharjee	83
Csaki, Csaba	<i>Simulation and Systems Analysis in Agriculture</i>	N.S.S. Narayana	84
Dobhal, G.L.	<i>Development of the Hill Areas: A Study of Pauri Garhwal District</i>	R. Swarup	85
Elavia, B.H.	<i>Innovations in Rural Banking: The Indian Experience</i>	H.B. Shivamaggi	87
Ingle, P.O.	<i>Congruity and Innovation in Indian Agriculture</i>	M.P. Dhongade	89
Islam, M.M. and Banerjee, B.N.	<i>Tenancy and Resource Use Efficiency in Agriculture</i>	S.B.L. Gupta	90
Joshi, V.H.; Parmar, B.D. and Joshi, B.H.	<i>Changing Pattern of Sectoral Behaviour in a Regional Economy</i>	J.C. Sandesara	92
Mehrotra, S.R.	<i>Institutional Credit and Agricultural Growth (With Special Reference to the Needs of Small Farmers)</i>	Gurdev Singh	93
Mellor, John W. and Ahmed Raisuddin (Eds.)	<i>Agricultural Price Policy for Developing Countries</i>	Ashok Mitra	95
Misra, Sib Ranjan	<i>Tea Industry in India</i>	B. Sharada Rai	98
Nadda, A.L.	<i>Economics of Apples (A Case Study of Himachal Pradesh)</i>	Dalip Singh Thakur	101
Nakajima, Chihiro	<i>Subjective Equilibrium Theory of the Farm Household</i>	J.L. Kaul	102
Singh, Inderjit; Squire, Lyn and Strauss, John (Eds.)	<i>Agricultural Household Models: Extensions, Applications, and Policy</i>		

			Page
Raj, K.N.; Sen, Amartya and Rao, C.H. Hanumantha (Eds.)	<i>Dharm Narain: Studies on Indian Agriculture</i>	M.V. Nadkarni	103
Sankhayan, P.L.	<i>Introduction to the Economics of Agricultural Production</i>	P.K. Joshi	106
Sarma, P.Perraju	<i>Dimensions of Rural Poverty</i>	S.Mahendra Dev	107
Sharan, Girja (Ed.)	<i>Energy Use in Rural Gujarat</i>	Jyoti K. Parikh	108
Wong, Diana	<i>Peasants in the Making: Malaysia's Green Revolution</i>	Sasanka Sekhar Pal	109

EDITORIAL BOARD

Prof. M.L. Dantwala	.. Chairman
Dr. N.A. Mujumdar	.. Editor
Shri T.R. Sundaram	.. Associate Editor
Dr. S.S. Acharya	.. Members
Dr. B.D. Dhawan	
Dr. D.K. Marothia	
Dr. L.R. Singh	
Dr. L.S. Venkataramanan	

The copyright and all rights of reproduction and translation of articles, book reviews and correspondence published in the *INDIAN JOURNAL OF AGRICULTURAL ECONOMICS* are reserved by the Society. Application for permission to translate or reproduce any material contained in it should be made to the Honorary Secretary, The Indian Society of Agricultural Economics, 46-48, Esplanade Mansions, Mahatma Gandhi Road, Fort, Bombay-400 001. (India).

Note:- Individual Membership fee and Institutional Subscription to the Indian Journal of Agricultural Economics are Rs. 100.00 or £ 25.00 or US \$ 35.00 and Rs. 200.00 or £ 40.00 or US \$ 50.00 respectively and should be sent to the Hon. Secretary and Treasurer, The Indian Society of Agricultural Economics, Bombay-400 001.