

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 XXXIV No. 3 ISSN

0019-5014

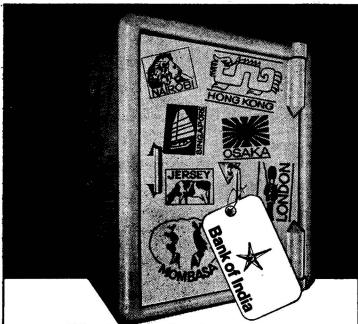
JULY-SEPTEMBER 1979

INDIAN JOURNAL OF AGRICULTURAL ECONOMICS





INDIAN SOCIETY OF AGRICULTURAL ECONOMICS, BOMBAY



What's an Indian bank like us doing in foreign cities like these?

Plenty. Bank of India's giving a strong fillip to export and import trade. We conduct Euro-currency operations. Promote joint ventures. Arrange for shipping loans, packing credit, letters of credit, forward cover. And perform a multitude of other international banking activities.

We began our globe-girdling in 1946 with our London branch. Now Bank of India has 24 offices in 9 countries in 4 continents. To say nothing of nearly 1200 branches at home, many of which are equipped to handle foreign exchange business. It's no surprise that we won three consecutive national awards for export promotion.



Bank of India

(A Government of India Undertaking)

Where service makes the difference.

da Cunha/801/46

AGRICULTURAL SITUATION IN INDIA

A Monthly Journal of the Directorate of Economics and Statistics, Ministry of Agriculture.

Main features:

- * Articles from experts to enable critical appreciation of current trends and prospects.
- * Extensive commentary on the agricultural development in India and abroad.
- * Reviews on important agricultural commodities.
- Comprehensive statistical tables—crop production, wages, prices, import and export, rainfall and crop estimates.

Commanding a wide and influential readership in India and abroad, Agricultural Situation in India is an invaluable guide to business executives, administrators and students of agricultural economics.

Subscription { Single copy : Rs. 4.00 or £ 0.47 or \$ 1.44 Annual : Rs. 48.00 or £ 5.60 or \$ 17.28

Available from:

The Controller of Publications, Civil Lines, Delhi-110 006.

INDIAN JOURNAL OF INDUSTRIAL RELATIONS

ония выменяющим выправления выправления в применяющим выправления выправления в применяющим выправления в применяющим выправления в применяющим выправления в применяющим в применяющим

Editor: S. M. Pandey

An inter-disciplinary journal, devoted to the scientific study and advancement of knowledge in the fields of industrial relations and human resources including relevant aspects of rural development, labour economics, industrial sociology, industrial psychology, personnel management and labour laws. The journal also welcomes discussion notes and communications from scholars, senior managers, union leaders and administrators bearing upon their experience and insights. It is published in July, October, January and April every year. All manuscripts intended for publication & books for review should be sent in duplicate to the Editor.

Some Recent Articles

Participative Management in Nigeria: Problems and Prospects by Adeyinka Orimalade Professional Obsolescence and the Role of Continuing Education by P. N. Chaudhary and K. G. Agrawal

Dimensions of Poverty and Incomes Policy by C. K. Johri and S. M. Pandey Need Pattern of Scientific Personnel in Research and Development by V. V. S. Chowdry Urban-Rural Income Differentials in India by B. H. Dholakia and R. H. Dholakia Perception of Computers in the Indian Industry by Udai Pareek Sources and Characteristics of Union Leaders in Developing Countries by W. E. Hotchkiss Job Involvement and Alienation—Progress, Issues and Prospects by Sasi B. Misra Economic Development and Industrial Structure: A Micro-Level Study by Ajit Kumar Singh Employment Through Exports—A Study of India by R. G. Nambiar

Subscription Rate: Rs. 12.00 single copy; Rs. 45.00 a year; Rs. 85.00 for two years; Rs. 125.00 for three years.

Make cheques payable to Shri Ram Centre for Industrial Relations and Human Resources.

Shri Ram Centre for Industrial Relations and Human Resources

5, Sadhu Vaswani Marg, New Delhi-110005, INDIA

AGRICULTURAL FINANCE CORPORATION LIMITED

EXTENDS PROJECT CONSULTANCY SERVICES

COMMERCIAL BANKS INSTITUTIONS

STATE GOVERNMENTS

INDIVIDUALS

FOR

TECHNO-ECONOMIC SURVEYS OF BACKWARD AREAS

FOR RURAL DEVELOPMENT

PROJECT INVESTMENT SURVEYS FOR WEAKER SECTIONS

PROJECT FORMULATION, ANALYSIS AND EVALUATION IN AGRICULTURE, FORESTRY, HORTICULTURE, AGRO-INDUSTRIES, DAIRY AND LIVESTOCK PROJECTS

V. M. BHIDE CHAIRMAN

GHULAM GHOUSE MANAGING DIRECTOR

REGISTERED OFFICE:

DHANRAJ MAHAL C S M MARG **BOMBAY 400 039**

REGIONAL OFFICES: **EASTERN REGION: CALCUTTA**

NORTHERN REGION: LUCKNOW BRANCH OFFICES: PATNA, KOTA, SHILLONG, SURAT

THE AUSTRALIAN JOURNAL OF AGRICULTURAL **ECONOMICS**

No.1 **AUGUST 1979** Vol. 23

Articles

The Short-Term Effect of Domestic Oil Price Increases on D. P. Vincent, P. B. Dixon, the Australian Economy with Special Reference to the B.R. Parmenter and Agricultural Sector

.. D. C. Sams

New Zealand Beef and Sheep Supply Relationships Explaining Variations in Share Contracts: Land Quality, James Roumasset and William Population Pressure and Technological Change

.. M. M. Rich

Economic Aspects of Selection in the Dairy Herd in Israel

Yoav Kislev and Uri Rabiner

The Case against Tariff Compensation: A Comment .. Stuart Harris Rehearsing the Case against Tariff Compensation: Reply Peter G. Warr

Book Reviews

Editors:

Dr. J. R. Anderson and Dr. J. B. Hardaker, C/- Department of Agricultural Economics and Business Management, University of New England, Armidale, N.S.W. 2351, Australia.

Membership: \$22 (Australian) from the Secretary, Dr. J. L. Longmire, Bureau of Agricultural Economics, P.O. Box 1563, Canberra City, A.C.T. 2601, Australia.

Published by

THE AUSTRALIAN AGRICULTURAL ECONOMICS SOCIETY

ABSTRACT JOURNALS:

WORLD AGRICULTURAL ECONOMICS & RURAL SOCIOLOGY ABSTRACTS still providing full coverage, more than 7,500 abstracts— £92 per year (£37 in CAB countries)

RURAL DEVELOPMENT ABSTRACTS, about 2,000 abstracts and growing—£32 per year

RURAL EXTENSION, EDUCATION & TRAINING ABSTRACTS, in depth coverage—£32 per year

RURAL RECREATION & TOURISM ABSTRACTS, now computer processed—£20 per year

COMPUTER SEARCHES:

All these journals can now be searched on the CAB Lockheed/Dialog data base.

Ask your librarian about your nearest terminal, or have CBAE carry out your search.

Journal Orders from:

Central Sales, Commonwealth Agricultural Bureaux, Farnham House, Farnham Common, SLOUGH SL2 3BN Computer searches and information from:

Commonwealth Bureau of Agricultural Economics, Dartington House, Little Clarendon Street, OXFORD, OX1 2HH

RURAL EXTENSION, EDUCATION AND TRAINING ABSTRACTS (REETA)

A new quarterly abstracting journal from the Commonwealth Bureau of Agricultural Economics.

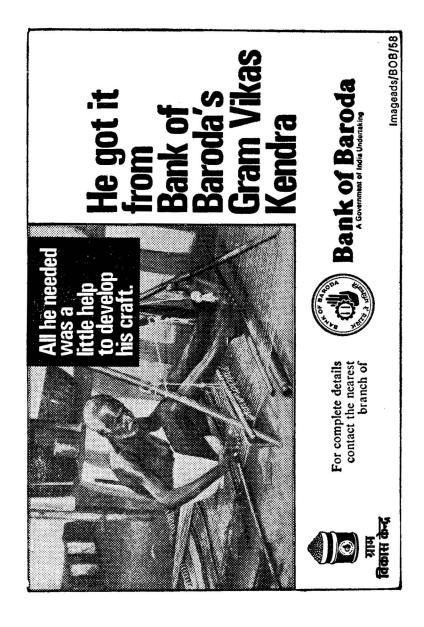
Subject coverage includes: education for rural development, theory, policy and planning; formal and informal education at all levels; curriculum development; extension methodology and practice, personnel, attitudes and adoption, case studies from all fields of rural extension (family programmes, agriculture etc.)

about 2,000 abstracts per year

full current author, subject and geographical indexing

computer retrievable from the CAB/Lockheed data base

1979 subscription rates, paper or micro-form £32 from: CENTRAL SALES, Commonwealth Agricultural Bureaux, Farnham House, Farnham Royal, SLOUGH, SL2 3BN. England.



ADVERTISEMENT TARIFF FOR

STATE OF THE STATE

INDIAN JOURNAL OF AGRICULTURAL ECONOMICS

(Quarterly)

Mechanical Data

Size of printed page: $19\frac{1}{2}$ cms. \times $12\frac{1}{2}$ cms.

No. of columns: One

Width of column: 12½ cms. Average No. of pages per issue:

> about 300 for Conference Number; about 120 to 140 for other numbers on fine quality printing paper

RATES

	Per issue	Per Annum (4 issues)
Half page	Rs. 150/-	Rs. 500/-
Full page (ordinary)	Rs. 300/-	Rs. 1,000/-
Inside Back Cover page	Rs. 400/-	Rs. 1,400/-
Back Outer Cover page	Rs. 500/-	Rs. 1,800/-

Membership Fee per Annum: Rs. 30.00 or £5.50 or \$10.50

Corporate Membership Fee per Annum: Rs. 100.00.

Annual Subscription: Rs. 45.00 or £ 10.00 or \$ 18.00 -post free.

Student Concessional Subscription per Annum: Rs. 15.00 -post free.

For further particulars please contact:

The Honorary Secretary

THE INDIAN SOCIETY OF AGRICULTURAL ECONOMICS

46-48, Esplanade Mansions, Mahatma Gandhi Road, Fort, Bombay-400 023 (India)

WE SOW SELF RELIANCE THROUGH CO-OPERATIVE ENDEAVOUR

As you sow, so you reap. We made multisided efforts to sow self reliance in Rural and Urban Maharashtra through Primary Agricultural Co-operative Credit Societies, Marketing Societies, Artisans and Jungle Kamgar Societies, Co-operative Hospitals, Industrial Societies, Urban Banks and Salary Earners Societies.

AND WE SEE

The face of Rural and Urban Maharashtra is changed.

The Maharashtra State Co-operative Bank Limited

9, Nagindas Master Road Extension, Fort, Bombay-400 023.

A BANK WITH A MISSION

RURAL DEVELOPMENT ABSTRACTS

A new quarterly journal from the Commonwealth Bureau of Agricultural Economics.

Subject coverage includes: Rural development theory, policy and planning, physical resources (land, settlements and housing, roads and transport, water and energy); human resources (population, social structure, communities, groups, families, behaviour and attitudes); economic utilization of resources (employment, income and investment, technology and innovation, primary, secondary and tertiary sectors); public services (local government, extension etc., health and welfare, other government services); projects and surveys (case studies).

about 2,000 abstracts per year

full current author, subject and geographical indexing

computer retrievable from the CAB/Lockheed data base

1979 subscription rates, paper or micro-form £32 from: CENTRAL SALES, Commonwealth Agricultural Bureaux, Farnham House, Farnham Royal, SLOUGH, SL2 3BN. England.

INDIAN JOURNAL OF AGRICULTURAL ECONOMICS—REPRINTS

Many back issues/volumes of the Indian Journal of Agricultural Economics are currently out of print. Enquiries have been received by the Society for the supply of the back volumes of the Journal. With a view to enabling the interested readers, agricultural universities, colleges and other research institutions to complete their holdings of the back issues/volumes of the Journal, the Society has entered into an agreement with the Researchco Reprints, Delhi whereby the Researchco Reprints has been given full rights of reprinting of all the issues of Volumes 1 to 32 of the Journal which are out of print now. The Researchco Reprints is presently preparing the reprints of the above-said volumes of the Journal. Kindly direct your orders and enquiries for back issues/volumes of the Journal (including reprints) to the Researchco Reprints, 1865 Trinagar, Delhi-110 035 (India).



We believe in "Work is Worship" Meeting the varied demands of customers..... Helping someone stand on his feet.....Sending back someone with smile his This is our work. Work which worship.

SYNDICATE BANK



LIST OF CONTRIBUTORS

AUTHORS

	A	OTHORS
Ram D. Singh	••	Professor, Department of Agricultural Economics, Purdue University, West Lafayette, Indiana, U.S.A.
A. R. Rajapurohit	* •	Fellow, Institute for Social and Economic Change, Bangalore-72.
Wale Mabawonku	• •	Lecturer in Agricultural Economics, Department of Agricultural Economics, University of Ibadan, Ibadan, Nigeria.
L. Okay Osuji	••	Lecturer in Agricultural Economics, Department of Agricultural Economics, University of Nigeria, Nsukka, Nigeria.
	RE	VIEWERS
V. N. Misra	• •	Senior Fellow, Giri Institute of Development Studies, Lucknow-7.
Parkash Mehta	••	Assistant Economist, Department of Economics and Sociology, Punjab Agricultural University, Ludhiana-4.
R. C. Awasthi	• •	Agricultural Economist, Tocklai Experimental Station, Tea Research Association, Tocklai, Jorhat-8.
V. M. Jakhade	• •	Bombay.
R. D. Ghodake	• •	Economist, International Crops Research Institute for the Semi-Arid Tropics, Patancheru, Hyderabad-34 (A.P.).
Ranjana Pendharkar		Economic Journalist, Bombay.
A. R. Patel	• •	Agricultural Finance Department, Bank of Baroda, Central Office, Bombay-38.
J. S. Narain Rao	•	Lecturer in Economics, Department of Economics, Anwarul-uloom Evening College, Osmania University, Hyderabad (A.P.).
Rajendra Kumar		Reserve Bank of India, Bombay.
I. J. Singh	• •	Professor and Head, Department of Agricultural Economics, Haryana Agricultural University, Hissar-4.
S. G. Shah	• •	Executive Adviser, Credit Trust, Bombay-1.
Ashok K. Mitra	• •	Gokhale Institute of Politics and Economics, Pune-4.

GUIDELINES FOR SUBMISSION OF PAPERS BY AUTHORS

- 1. Subjects: The objective of the Journal is to provide a forum for dissemination and exchange of findings of research on agricultural economics. Purely descriptive material is not appropriate for such a journal. Papers dealing with (i) new developments in research and methods of analysis, or (ii) which apply existing empirical research methods and techniques to new problems or situations, or (iii) which attempt to test new hypotheses/ theoretical formulations or modifications of existing theories or policies to explain economic phenomena especially in the Indian context, or (iv) papers based on research done by the authors bringing out new facts or data presented in an analytical frame will be preferred. Younger economists are advised to seek guidance from their seniors in the preparation of the paper for the Journal. A one-page statement indicating the author's own assessment of the importance and relevance of the findings reported in his paper in the context of recent researches would be welcome.
 - 2. Size of Paper: In view of the exorbitant increase in the cost of printing, it has become necessary to restrict the length of the papers accepted for publication to 20 (double space) typed pages (of the size $8^{1/2}$ -by-11 inches) including tables and appendices (with margins on all sides of at least $1^{1/2}$ inches). Papers exceeding this size limit will be returned to the authors. The authors may however send along with their papers such "supporting material" as may be of help to the referees in evaluating them. Abstracts not exceeding 100 words should be submitted in duplicate along with the paper.
- 3. Copies: Two copies of each paper should be submitted along with a processing fee of Rs. 15/either by M.O. or crossed I.P.O. (\$ 4.00 or £ 2.50) drawn in the name of the Indian Society of Agricultural Economics, to meet partly the postage and other incidental charges.
- 4. Author's identification: To protect the anonymity of authors while referring the Papers for expert opinion on their merits, authors are advised to avoid disclosing their identity in the text and to attach a separate page showing the name(s) and affiliation(s) of the author(s) along with any footnotes containing bibliographical information or acknowledgements.
- 5. Mathematical notations: Only essential mathematical notations may be used; it is prohibitively costly to typeset such notations. All statistical formulae should be neatly typed.
- **6. Figures-Charts and Tables :** Professional assistance should be availed of while presenting figures and charts. They should be drawn in black ink which can be easily reproduced by photographic process. Typescript is not suitable for reproduction. Roman numerals may be used for tables.
 - 7. Footnotes: Footnotes should be numbered consecutively in plain arabic superscripts.
- 8. References and citations: Only cited works should be included in the reference list. Please follow the style of citations as in previous issues of this *Journal*.
- **9.** General: While sending papers the authors should state that the material has not been published elsewhere or is not being published or being considered for publication elsewhere.
- 10. Reprints: Ten free reprints of the paper would be given to the author; additional reprints, if required, are supplied at cost which may be ascertained from the Editor.

Printer: Shri G.R. Shetty; Type-setting on Postscript laser printer at Indian School of Political Economy, Arthabodh, Pune - 411 016; Place of printing: Mudra, 383 Narayan Peth, Pune - 411 030; Publisher: Shri G.R.Shetty; Place of Publication and Owners: The Indian Society of Agricultural Economics, 46-48, Esplanade Mansions, Mahatma Gandhi Road, Fort, Bombay-400 001.

SOME OF THE PUBLICATIONS OF THE INDIAN SOCIETY OF AGRICULTURAL ECONOMICS				
 INDIAN JOURNAL OF AGRICULTURAL ECONOMICS 1940-1964-SELECTED READINGS (1966) 	25.00			
EVALUATION OF LAND REFORMS (with special reference to the Western Region of India) by Prof. M.L. Dantwala and Dr. C.H. Shah (1971)	15.00			
3. COMPARATIVE EXPERIENCE OF AGRICULTURAL DEVELOPMENT IN DEVELOPING COUNTRIES OF ASIA AND THE SOUTH-EAST SINCE WORLD WAR II (1972) Cloth bound \$ 9.00, £ 3.60 Card bound	45.00 30.00			
 INDIAN AGRICULTURAL DEVELOPMENT SINCE INDEPENDENCE (1986) AGRICULTURAL DEVELOPMENT IN INDIA: THE NEXT STAGE (1988) 	135.00 190.00			
6. AGRICULTURAL DEVELOPMENT POLICY: ADJUSTMENTS AND REORIENTATION (1990)	250.00			
SEMINAR SERIES				
 No.IV. SEMINAR-CUM-WORKSHOP ON PROBLEMS OF FARM PRODUCTION PLANNING AND PROGRAMMING (1964) 	10.00			
8. No. VI. SEMINAR ON FARM PRODUCTION PLANNING AND PROGRAMMING (1965)	8.00			
9. No. VIII. SEMINAR ON FOODGRAINS BUFFER STOCKS IN INDIA (1969)	12.00			
10. No. XII. SEMINAR ON RURAL DEVELOPMENT FOR WEAKER SECTIONS (1974)	25.00			
11. No. XIII. SEMINAR ON THE ROLE OF IRRIGATION IN THE DEVELOPMENT OF INDIA'S AGRICULTURE (1976)	30.00			
12. No. XV. SEMINAR ON CROP INSURANCE (1983)	60.00			
 TECHNOLOGY OPTIONS AND ECONOMIC POLICY FOR DRYLAND AGRI- CULTURE: POTENTIAL AND CHALLENGE Edited by Dr. N.S. Jodha (1989) 	250.00			
14. LIVESTOCK ECONOMY OF INDIA (1989)	95.00			
Nos. 4, 6 and 14 can be had from:				

Nos. 4, 6 and 14 can be had from: OXFORD & IBH PUBLISHING CO. PVT. LTD., 66, JANPATH, NEW DELHI-110001.

No. 5 from: HIMALAYA PUBLISHING HOUSE, Ramdoot, Dr. Bhalerao Marg, Girgaon, Bombay-400 004.

No. 13 from:
CONCEPT PUBLISHING COMPANY,
A-15-16, Commercial Block,
Mohan Garden,
New Delhi-110 059.

The rest can be had from:
THE INDIAN SOCIETY OF AGRICULTURAL ECONOMICS,
46-48, Esplanade Mansions,
Mahatma Gandhi Road, Fort, Bombay-400 001.