

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 XXII No. 2

ISSN

0019-5014

APRIL-JUNE 1967

INDIAN **JOURNAL** OF **AGRICULTURAL ECONOMICS**





INDIAN SOCIETY OF AGRICULTURAL ECONOMICS, **BOMBAY**

AGRICULTURAL SITUATION IN INDIA

A monthly journal presenting a factual and integrated picture of the agricultural and food situation in India against an appropriate background.

This journal, issued by the Directorate of Economics and Statistics, Union Ministry of Food and Agriculture, has as its regular features:

- A monthly news-letter surveying the latest developments in the
- Authoritative special articles on topics of current interest.
- Extensive information on events and trends in India and abroad.

- Reviews of production and prices of various commodities.
- A comprehensive statistical section.

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

> Annual subscription Rs. 24,00 or 37sh.

Available from:

1. The Manager of Publications, Civil Lines, Delhi-8.

2. The Secretary to the High Commissioner for India, "India House," Aldwych, LONDON, W.C. 2.

THE INDIAN ECONOMIC JOURNAL

Volume XIV		October-December 1966	No. 3
ı.	Articles		
	The Limits of Economic Police	у	I. G. Patel
	Some Problems of Research Humanities in India International Liquidity: Med for the Haves and Have-no	aning and Significance	M. H. Gopal J. Amuzegar
,	Trends in Resource Transfe the States—A Case for Les More Flexible Scheme of D The Balanced Versus Unbala	sser Centralisation and Devaluation	D. M. Nanjundappa
	versy: A Critical Survey		K. N. Prasad
11.	Reviews		

- III. Notes

All communications should be sent to:

The Assistant Editor, The Indian Economic Journal Department of Economics, University of Bombay, Bombay-I.

Per Copy: Rs. 5.00 or 7/6 d. or

Per Annum: Rs. 25.00 or £1-10-0 or

\$1.25—post free. \$5.00-post free.

ARTHA VIJNANA

Quarterly Journal of the Gokhale Institute of Politics & Economics, Foona-4

Politics & Economics, Foona-4				
Vol.	9 March, 19	967 No.		
	CONTENT	rs		
	Unit Institutional Cost in Higher Educati Study in Method	ion—A A. R. Kamat		
	Collection and Use of Farm Management [Great Britain	Data in S. G. Sapre		
	"Report of the Committee on Fertilize A Review	eers''— V. S. Patvardhan		
	Regional Planning in the National Plan	V. Nath		
	Economics Courses in Indian Universities	M. Arumugam		
	Location and Growth of Vanaspati Industry in	n India M. V. Raghavachari		
4	Subscription Rates: Annual: Rs. 15.00;	Single Issue: Rs. 5.00;		
	§ 5.50; 30s.	\$ 1.50; 10s.		
	ease address commercial rrespondence to :	Please address Editorial correspondence to :		
Ca	sia Publishing House, slicut Street, Ballard Estate, ombay-1.	The Editor, Artha Vijnana, Gokhale Institute of Politics an Economics, Poona-4.		

ARTHA-VIKAS

A Journal of Economic Development

Vol. 3 January, 1967 No. I

CONTENTS

I. Articles

Location Theory, Industrial Location Surveys and M. L. Greenhut Regional Economic Development Factors Influencing the Level of Literacy in Rural V. S. Vyas Areas Measures of Farm Efficiency: An Inter-Regional N. K. Thingalaya Comparison N. S. Shetty The Role of the State in the Development of Co-M. D. Desai operatives K. R. Rakhral Economics of Well Irrigation in a Rajasthan Village Economic Development and Monetary Management J. H. Adhvaryu in India (Review Article) ...

Annual subscription Rs. 8 in India, and abroad \$ 2.50 or 15s. All communications should be addressed to the Managing Editor, Artha-Vikas, Department of Economics, Sardar Patel University, Vallabh Vidyanagar (W. Rly.), Gujarat, India.

0.00000000000000

SOCIALFAND ECONOMIC STUDIES

A Journal devoted to research, especially in the problems of economic growth, social change and political action in under-developed territories.

Vol. 15, No. 3 (September 1966):

Domar-Type Theory in an Open Economy
The Fertility of Commonlaw Unions in Jamaica ...
Employment in Grenada in 1960
The Federal Principle in the British West Indies ...
The Domestic Group in 'Mahogany', British
Honduras

Charles Kennedy George E. Cumper Jack Harewood Lewis E. Bobb

Norman Ashcraft

Vol. 15, No. 4 (December 1966):

Rent Controls and Urban Development: A Case Study of Mexico City The Concept of Neo-Colonialism and its Relation to Rival Economic Systems 'Peasant', 'Plantation' and 'Urban' Communities

Social Resources of a Latin-American Peasantry ... A Fertility Survey in Barbados

Gerald M. Meier

Anthony Bottomley

Henry Aaron

Edwin Charle A. V. Norton and G. E. Cumper June Nash Joycelin Byrne

Annual subscription per volume of 4 numbers; £2 0s 0d; U.S. \$5.60; W. I. \$9.60 Single numbers: 12/6; U.S. \$1.75; W. I. \$3.00.

INSTITUTE OF SOCIAL AND ECONOMIC RESEARCH University of the West Indies, Jamaica

THE MALAYAN ECONOMIC REVIEW

Vol. XII, No. I

April 1967

Articles

A Manpower Survey of the Pharmaceutical Profession in Singapore Labour Inputs of Rubber Producing Smallholders

The Incidence of Export Taxes on Small Producers

A Note on the Fertility Levels in Malaya During

Agricultural Land Tenure in West Malaysia...

H. Myint Ronald C. Bhardwaj

C. H. Harvie

Richard M. Bird Ronald I. McKinnon You Poh Seng and Stephen H. K. Yeh

David C. E. Chew

Robert Ho A. H. H. Tan R. D. Hill

Saw Swee Hock

Book Reviews

in Malaya

1947-1957

This journal is published two times a year, in April and October. The annual subscription is Malayan \$ 14.00 (US \$ 5.00 or Sterling 32s. 6d.). Subscription may be sent to any bookseller or direct to:

Malaysia Books Limited, 4-8 Trafalgar Street, Singapore 2.

...

THE PAKISTAN DEVELOPMENT REVIEW

Quarterly Journal of The Pakistan Institute of Development Economics, Karachi (Pakistan)

No. I Vol. VII Spring 1967 **Articles** Theoretical Problems of the International Mone-Harry G. Johnson tary System ... A Multi-Sector Programming Model for Regional Azizur Rahman Khan Planning in Pakistan Abridged Life Tables of Pakistan and Provinces by Muhammad Aslam, Sultan S. Hashmi & Sex 1962 William Seltzer Note: Gordon C. Winston Notes on the Concept of Import Substitution Selected Bibliography

Published four times a year — Spring, Summer, Autumn and Winter. Subscription: \$5.00 per annum or equivalent in other currencies; individual copies: \$1.50 each. Reprints of individual articles are available @ US \$ 0.75 or equivalent of this in any other currencies.

All communications to be addressed to the Editor, The Pakistan Development Review, Old Sind Assembly Building, Bunder Road, Karachi-I (Pakistan).

ADVERTISEMENT TARIFF

FOR

INDIAN JOURNAL OF AGRICULTURAL ECONOMICS

(Quarterly)

Mechanical Data

Size of printed page: 73" x_5"

No of columns: One Width of column: 5"

0000000

Average No. of pages per issue:

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

RATES

Rs. 100/- per full page Rs. 60/- per half page.

(For Special Positions extra which can be ascertained on application)

Membership Fee per Annum: Rs. 15.00 or £1-5-0 or \$4.00. Annual Subscription: Rs. 15.00 or £1-5-0 or \$4.00—post free.

Conference Number: Single copy: Rs. 6.50 or 10s. 10d. or \$1.75—postage extra.

Other issues: Single copy: Rs. 4.00 or 6s. 8d. or \$1.10—postage extra.

The Honorary Secretary

THE INDIAN SOCIETY OF AGRICULTURAL ECONOMICS
46-48, Esplanade Mansions, Mahatma Gandhi Road,
Bombay I.

CAN YOU AFFORD NOT TO KNOW -

THE LATEST TRENDS AND DEVELOPMENTS IN

Agricultural Policy
Trade in Agricultural Products
Agricultural Finance and Credit
Production Economics
Co-operation
Education and Training
Rural Sociology
Research Methods and Techniques



WORLD AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY ABSTRACTS

(WAERSA)

is the ONLY comprehensive source of information on a world scale covering all significant publications on these and related topics.

WAERSA

is produced quarterly by the

COMMONWEALTH BUREAU OF AGRICULTURAL ECONOMICS

31A. St. Giles, Oxford.

Each number includes over 1,000 abstracts, fully classified and indexed. Review Articles on topics of current importance are included from time to time.

Because of heavy subsidies, given by the Government of the British Commonwealth and the Republic of Ireland, it is possible to offer WAERSA to all subscribers at only a small fraction of its cost of production.

Subscription rates are:

Contributing Countries: £4.10s. Non-contributing Countries: £7.10s. (\$22.50)

Orders and Subscriptions should be sent to:

C. A. B., Central Sales, Farnham Royal near Slough, Bucks, England.

LIST OF CONTRIBUTORS

AUTHORS

M. L. Dantwala : Professor of Agricultural Economics, Depart-

ment of Economics, University of Bombay,

Bombay-1.

Don Kanel : Associate Professor, Department of Agricul-

tural Economics, Land Tenure Centre, University of Wisconsin, Madison, Wisconsin, U.S.A., and Visiting Professor, Universidad de Chile, Instituto de Economia, Santiago,

Chile.

Tilak Raj Kapur : Lecturer in Agricultural Economics (Farm

Management), Punjab Agricultural Univer-

sity, Ludhiana.

A. S. Kahlon : Dean, College of Basic Sciences & Humanities.

Punjab Agricultural University, Ludhiana.

Bandhudas Sen : Senior Fellow, U.G.C. Centre for Advanced

Studies in Agricultural Economics, Gokhale Institute of Politics & Economics, Poona-4.

REVIEWERS

Indira A. Iyer : Research Officer, Department of Economics,

University of Bombay, Bombay-1.

M. G. Gaitonde Bombay.

Bashir A. Desai : Investigator in Agricultural Economics.

Department of Economics, University of

Bombay, Bombay-1.

0000	x006\0000000000000000000000000000000000	000000
		Rs. P.
26.	REPORT ON AN ENQUIRY INTO THE WORKING OF THE BOMBAY TENANCY AND AGRICULTURAL LANDS ACT, 1948 (AS AMENDED UPTO 1953) IN GUJARAT (EXCLUDING BARODA DISTRICT) (1958) by Dr. M. B. Desai	4.00
27.	REPORT ON THE ADMINISTRATIVE SURVEY OF THE SURAT DISTRICT (1958) by Shri N. B. Desai	
28.	PROBLEMS OF SMALL FARMERS—REPORT ON AN ENQUIRY INTO THE PROBLEMS OF LOW-INCOME FARMERS IN KODINAR TALUKA (1958) by Dr. C. H. Shah (out of print)	12·00 5·00
29.		18.00
30.	CO-OPERATIVE FARMING IN GUJARAT. (A Study into the Working of the Co-operative Farming Societies in Gujarat). Prepared by the Gujarat Co-operative Farming Survey Committee, Ahmedabad (1959)	5.00
31.	RESURVEY OF A DECCAN VILLAGE—PIMPLE SAUDAGAR (1960) by Shri P. D. Diskalkar	7.00
32.		5.00
33.		5.00
34.		15.00
35.		2.50
36.	INDIAN JOURNAL OF AGRICULTURAL ECONOMICS 1940-1964— SELECTED READINGS (1966)	25.00
37.	RURAL LIFE PROBLEMS—Personal Experiences (1966) by Sir Manilal B. Nanavati	7.50
	SEMINAR SERIES	
38.	No. I, RATIONALE OF REGIONAL VARIATIONS IN AGRARIAN STRUCTURE OF INDIA (1957) (out of print)	4 · 50
39.	No. II. SEMINAR ON CO-OPERATIVE FARMING (1959)	6.00
40.	No. III, SEMINAR ON COST STUDIES IN AGRICULTURE (1961)	8.00
41.	No. IV, SEMINAR-CUM-WORKSHOP ON PROBLEMS OF FARM	10.00
42.	No. V, SEMINAR ON MARKETING OF AGRICULTURAL COMMODITIES (1965)	
43.	No. VI, SEMINAR ON FARM PRODUCTION PLANNING AND PROGRAMMING (1965)	8.00
	Nos. I, 3, 27, 34 and 41 can be had from VORA & CO., PUBLISHERS (PRIVATE) LTD., 3, Round Building, Bon	nbay-2.
	Nos. 16, 36, 39 40, 42 and 43 can be had from M/S. INDIA BOOK HOUSE, Rusi Mansion, Wodehouse Road, Bomb	pay-I.
	The rest can be had from THE INDIAN SOCIETY OF AGRICULTURAL ECONOMICS	

Printer: Shri T. R. Sundaram; Place of Printing: The Examiner Press, Medows Street, Fort, Bombay-1; Publisher: Shri T. R. Sundaram; Place of Publication and Owners: The Indian Society of Agricultural Economics, 46-48, Esplanade Mansions, Mahatma Gandhi Road, Bombay-1.

46-48, Esplanade Mansions, Mahatma Gandhi Road, BOMBAY-I.

9	0000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	00000				
Ò							
0	PUBLICATIONS OF THE INDIAN SOCIETY OF						
ŏ		AGRICULTURAL ECONOMICS					
6			Rs. P.				
ò		THE INDIAN DURAL PROPERTY AND DESCRIPTION (INC.)	0.000.000				
6	ı.	THE INDIAN RURAL PROBLEM. 6th Revised Edition (1965) by Sir Manilal B. Nanavati and Shri J. J. Anjaria	15.00				
Ó	2	•	2.00				
Ŏ		LAND TENURES IN INDIA (1946) (out of print)					
0		AGRARIAN REFORMS IN WESTERN COUNTRIES (1946)	3.00				
ŏ	4.	A STUDY OF PANCHAYATS IN MADRAS (1947) by Shri K. Jaya-	- 00				
9		raman (out of print)	5.00				
000000000000000000000000000000000000000		RURAL LIFE SERIES					
ò							
Ś	5.	RURAL PROBLEMS IN MADRAS, Prepared by the Government					
Ŏ		of Madras (1947) (out of print)	6.75				
ò	6.	RURAL BARODA—A MONOGRAPH (1949) (out of print)	5.00				
ζ	7.	A SOCIO-ECONOMIC SURVEY OF BHUVEL (1949)					
۶		English Edition (out of print)	6.00				
ò		Gujarati Edition	4.50				
ŏ	9.	A DESIGN FOR THE LAYOUT OF INDIAN TRANSPORT AND					
Ş		COMMUNICATIONS SYSTEM (1949) by Dr. G. B. Deodikar	8.00				
δ	10.	AGRICULTURAL ECONOMICS IN INDIA (1950). A Report by					
6		Prof. A. W. Ashby on his winter tour (out of print)	1.00				
Ş	11.						
δ		IN EUROPE (1951) by Dr. Sigmund v. Frauendorfer (out of print)	2.50				
δ		READINGS IN AGRICULTURAL ECONOMICS SERIES					
Š							
δ	12.	Vol. I, NATURE AND SCOPE OF AGRICULTURAL ECONOMICS	r 00				
0		(1951) (out of print)	5.00				
Š	13.	CULTURE (1951)	9.00				
9	14.	and the second s					
8		UNITED STATES (Abridged) (1951) by Olaf Larson (out of print)	5.00				
Š	15.		25.00				
Ş		Edition (1961), by Dr. A. R. Desai (out of print)	25.00				
ò		Vol. V, READINGS IN LAND UTILIZATION (1957)	10.00				
ζ	17.		6.00				
0000000000000	18.	in Methodology (1953) (out of print)	5.00				
δ	19.	and the control of th					
ó	• • • •	INDIA (1954) by Shri S. Thirumalai (out of print)	12-00				
Ó	20.						
λ		(out of print)	3.00				
χ	21.	(14=A) = 11 t = 11 t	7.00				
3	22	(1954): English Edition	3.00				
Ó	22. 23.	RAINFALL AND FAMINE—A STUDY OF RAINFALL IN THE	3.00				
0	23.	BOMBAY-DECCAN, 1865-1938 (1955) by Dr. Harold H. Mann	2.00				
Š	24.	- compression and a series of the contract of	_ 50				
0	۵٦.	A COMPARATIVE STUDY, 1915-1955: English Edition (1957)	4.00				
00000000000	25.		9.00				
δ		(Continued on inside cover page	ze)				
Ş		(contained on maide cover page	- /				
()		3					

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.