



*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](mailto: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.*

*No endorsement of AgEcon Search or its fundraising activities by the author(s) of the following work or their employer(s) is intended or implied.*

Vol XLV  
No. 2

ISSN 0019-5014

APRIL-  
JUNE  
1990

# INDIAN JOURNAL OF AGRICULTURAL ECONOMICS



INDIAN SOCIETY OF  
AGRICULTURAL ECONOMICS,  
BOMBAY

## 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.

<i>Subscription</i>	Single copy:	Rs. 7.00 or £ 0.82 or \$ 2.52
	Annual:	Rs. 80.00 or £ 9.13 or \$ 28.80

*Available from:*

*The Controller of Publications, Civil Lines, Delhi-110 054.*

## THE BANGLADESH JOURNAL OF AGRICULTURAL ECONOMICS

Volume XI

June 1988

Number 1

### CONTENTS

#### Articles

Benefit-Cost Analysis of Deep and Shallow Tubewell Projects in the Tangail District in Bangladesh: M.T.H. Miah and J.B. Hardaker

Participation of Women and Children in Agricultural Activities- A Micro Level Study in an Area of Bangladesh: W.M.H. Jaim and M.L. Rahman

An Economic Study of Indebtedness of the Class IV Employees of Bangladesh Agricultural University: M. Lutfur Rahman, Zahirul Islam and Rafiqunnessa Ali

Status and Economic Efficiency of Fish Seed Multiplication Farms in Bangladesh: M. Serajul Islam and Somen Dewan

Editorial correspondence should be addressed to the Executive Editor, *Bangladesh Journal of Agricultural Economics*, Bangladesh Agricultural University, Mymensingh, Bangladesh. Subscription orders and business correspondence should be addressed to the Secretary, Bureau of Socioeconomic Research and Training, Bangladesh Agricultural University, Mymensingh, 2202, Bangladesh.

	Annual Subscription	Price per copy
Individual:	Tk. 40 or US \$ 12	Tk. 20 or US \$ 6
Institution:	Tk. 75 or US \$ 12	Tk. 37 or US \$ 6
	Air mail delivery : US \$ 8 per year extra.	

# **"Mahyco... ... is my passport to prosperity"**



"No more poor harvests for me. Now, year after year, season after season, I reap the rich profits of having switched over to Mahyco Jowar, Bajra, Maize, and cotton hybrid seeds.

Thanks to Mahyco's continuous research, their latest hybrids result in increasing yields and profits. And, I can farm all the year round. Because Mahyco offers me a variety of quality cereal, cotton, vegetable and oilseed hybrid seeds as well.

In addition, Mahyco's stringent quality control and excellent service through their wide dealer network further strengthen my reliance on Mahyco for continued high profits. Switch over to Mahyco today, it will put you on the road to prosperity".

Quality Seed  
**mahyco**<sup>®</sup>  
Seed

**Maharashtra Hybrid Seeds Co. Ltd.,**

Plot No. B-4, Industrial Estate, Jalna - 431 203. (Maharashtra), Phone: 2841, 2842, 2843, 2844  
Gram: HYBRIDSEED Telex: 740-1201

**Mahyco seeds... for high yield, high profits.**

## NCAER JOURNAL

### MARGIN

Quarterly published in January, April, July and December

- *An Economic Journal for Academic and Professional Economists, Research Scholars and Students.*

- It carries in each issue a quarterly review of the Indian economy, a number of articles in various fields of applied economics and reviews of books on specialised subjects.

#### *Subscription Rates (Annual)*

Inland:	Rs. 120.00	(including postage)
Foreign:	\$.	30.00 (By Air Mail)
	\$.	20.00 (By Sea Mail)

### ARTHA SUCHI

- An Index to government reports, journal articles and newspaper write-ups in the field of Indian economics which are being received in the NCAER Library. It is issued quarterly beginning July-September.

#### *Subscription Rates (Annual)*

Inland : Rs. 150.00; Foreign: \$. 30.00 (Including postage charges)

#### *Available from:*

National Council of Applied Economic Research, Parisila Bhawan,  
11- Indraprastha Estate, New Delhi - 110002.

**mouton de gruyter**

Berlin New York

**europaean review  
of agricultural economics**

**Editor:** Arie Oskam  
Agricultural University  
Wageningen, The Netherlands

The **European Review of Agricultural Economics** serves as a forum for discussions about the development of theoretical and applied agricultural economics research in Europe and for stimulating ideas regarding the economic problems of agriculture in Europe and other parts of the world.

The **ERA** also promotes discussion on national resource use, protection of the environment, marketing of agricultural products and development of rural areas. Throughout, the **ERA** strives for balanced coverage of all issues in agricultural economics: production economics, operations research and farm management problems, agricultural policy, including farm incomes and farm structure, regional planning and rural development, supply analysis, factor markets, demand analysis and marketing, international trade and development, statistical and econometric methods, etc. Original articles as well as full or abstracted articles which have already appeared in national publications and/or in other languages are included. Shorter features supplement the main contents and ensure that the most recent information available is covered. These features include research notes, book reviews, comments on previously published articles and news items about European activities in the field of agricultural economics such as meetings and conferences.

The **European Review of Agricultural Economics** is published as one volume of four issues per year (approximately 512 pages).

**Subscription rates for Volume 17 (1990):**

Institutions/libraries	DM 198.00
Individuals (prepaid only*)	DM 116.80 (includes postage)
Single issues	DM 57.00

**Prices in US\$ for subscriptions in North America only:**

Institutions/libraries	US\$ 115.00
Individuals (prepaid only*)	US\$ 46.70 (includes postage)

\* Subscriptions for individuals are for personal use only and must be prepaid and ordered directly from the publisher. Prepayment may be made by cheque or by credit card: MasterCard: (Access), EuroCard, Visa, and American Express (Amex may not be used in North America). Orders placed for institutions will be invoiced at the institutional rate. The individual rate is not available in the FRG, Switzerland, or Austria.

Institutional subscriptions, single, or back issues can be ordered from your local bookseller or subscription agent or directly from MOUTON DE GRUYTER, (a division of Walter de Gruyter) at either of the following addresses:

**For North America:**  
Walter de Gruyter Inc.  
200 Saw Mill River Road  
Hawthorne, N.Y. 10532  
USA

**For all other countries:**  
Walter de Gruyter & Co.  
Postfach 11 02 40  
D-1000 Berlin 11  
Federal Republic of Germany

## CANADIAN JOURNAL OF AGRICULTURAL ECONOMICS

Volume 38, Number 1

March 1990

Induced innovation in Canadian Agriculture: 1926-87, *Giannis Karagiannis and W. Hartley Furtan*. The economics of erosion and sediment control in southwestern Ontario, *Glenn Fox and Ed J. Dickson*. Patronage allocation, growth and member well-being in co-operatives, *Jeff Corman and Murray Fulton*. Price-discriminating marketing board with imperfect supply control: A case of B.C. mushrooms, *Tim Hazledine and Hsin Huang*. Economic evaluation of reindeer range in Alaska, *Joshua Greenberg, Wayne Thomas and William Workman*. Demand system estimation with upward-sloping supply, *Thomas Wahl and Dermot J. Hayes*. Evaluating producer returns to WGRF research project investments, *J. A. MacMillan, A. Kolody, R. M. A. Loyns and P. B. E. McVetty*. The long-run financial effects of improved grain-handling system efficiency on individual Saskatchewan grain producers. *Neil Meyer and Richard A. Schoney*. A comparison of target MOTAD efficiency sets and the choice of target, *Julio Berbel*. Economic analysis of an integrated approach to cattle grub (*Hypoderma* spp.) control, *K. K. Klein, C. S. Fleming, Douglas D. Colwell and Philip J. Scholl*.

### Comments, notes, book reviews, publications received

**Editors:** W. L. Adamowicz, L. P. Apedaile and M. L. Lerohl, Department of Rural Economy, University of Alberta, Edmonton, Alberta, Canada T6G 2H1.

The Canadian Journal of Agricultural Economics is published by the Canadian Agricultural Economics and Farm Management Society four times a year in March, July, November and December. Requests for subscriptions or membership applications should be addressed to **The Treasurer, Canadian Agricultural Economics and Farm Management Society, Suite 907, 151 Slater St., Ottawa, Ontario, Canada K1P 5H4.**

## JOURNAL OF INDIAN SCHOOL OF POLITICAL ECONOMY

Editor - V. M. Dandekar

JOURNAL OF INDIAN SCHOOL OF POLITICAL ECONOMY is devoted to a study of the Indian Economy, Polity and Society. Emphasis is on reviewing developments since Independence with roots in the British administration where relevant. When a review is based on statistical data, the policy is to present full statistical data base. The Journal is intended to be a quarterly. However, in the first year, 1989, we brought out only two issues, January-June 1989 and July-December 1989. In 1990, we expect to bring out three issues and thereafter four issues beginning in 1991. The Jan-April 1990 issue is already out.

Vol.II	January-April 1990	No. 1
Salaries of Central Government Employees in India	V.M.Dandekar	
Development of Banking in India	F.K.Wadia	
Agro-Climatic Regional Planning: Overview of a new Approach	Prakash Tandon	
Potential Rates of Growth for The Indian Economy: Recursive Estimation Results	Summarised from A Planning Commission Document	
	M.J. Manohar Rao	
	Cedwyn J. Fernandes	
	Chandrabhas S. Deshpande	
Impact of Oil Price Hikes on India's Terms of Trade and Balance of Payments	H. Ashok Chandra Prasad	
Progress of Education of Women in India: 1881-1981	Kumudini Dandekar	
The Establishment of British Rule in India and The Industrial Revolution in England	N.V. Sovani	
Comments and Clarification		
Book Reviews		
Annotated Index of Books and Articles		

### ANNUAL SUBSCRIPTION RATES

	(in India)	
	Institutional	Individual
1989 (2 issues):	Rs 200	Rs 100
1990 (3 issues):	Rs 300	Rs 150
1991 (4 issues):	Rs 400	Rs 200
(and thereafter)		
TWO years (1989-90):	Rs 400	Rs 200
FIVE years (1989-93):	Rs 1000	Rs 500
	(Foreign)	
1989 (2 issues):	US \$ 20 or Rs 400	US \$ 10/ Rs 200
1990 (3 issues):	US \$ 30 or Rs 600	US \$ 15/ Rs 300
1991 (4 issues):	US \$ 40 or Rs 800	US \$ 20/ Rs 400
(and thereafter)		
TWO years (1989-90):	US \$ 40 or Rs 800	US \$ 20 or Rs 400
FIVE years (1989-93):	US \$ 100 or Rs 2000	US \$ 50 or Rs 1000

Foreign rates cover airmail postage. All payments should be made by Demand Draft, payable to Indian School of Political Economy, drawn on any bank in Pune.

Address : Arthabodh, 968/21-22, Senapati Bapat Road, Pune 411 016.



## THE BANGLADESH DEVELOPMENT STUDIES

Volume XVII

December 1989

Number 4

### Articles

**S.R. Osmani**

**Limits to the Alleviation of Poverty  
Through Non-farm Credit**

**Sultan Hafeez Rahman**

**Forecasting of Yarn and Cloth Availability  
and Prices in Bangladesh: An Economic  
Approach**

**Hussain Zillur  
Rahman**

**Mode of Production Debate Revisited: Con-  
ceptual Issues in Bengal's Agrarian Trans-  
ition**

### Notes & Comments

**Najmul Hossain  
A.M.M. Jamal**

**The Earnings of Industrial Labour in an  
LDC: The Evidence from Bangladesh**

**Sajjad Zohir**

**Wage and Labour Market in Agriculture:  
Some Comments**

---

**Published four times a year: March, June, September, December. Annual  
Subscription is Tk. 100.00 or US \$ 40.00 or UK £ 25.00 or equivalent thereof  
in other currencies.**

**Reprints of Articles are available in limited quantity at Tk. 5.00 or US \$  
2.00 or equivalent thereof in other currencies.**

**Books for Review should be sent in duplicate to the Executive Editor.  
Manuscripts in duplicate and editorial correspondence should be  
addressed to the Executive Editor, *The Bangladesh Development Studies*,  
E-17 Agargaon, Sher-e-Bangla Nagar, GPO Box 3854, Dhaka, Bangla-  
desh.**

**Rejected manuscripts are not returned.**

## 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 8½-by-11 inches) including tables and appendices (with margins on all sides of at least 1½ 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, Arhabodh, 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*

1. INDIAN JOURNAL OF AGRICULTURAL ECONOMICS 1940-1964 - SELECTED READINGS (1966)	25.00
2. 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 45.00 Card bound 30.00
4. INDIAN AGRICULTURAL DEVELOPMENT SINCE INDEPENDENCE (1986)	135.00
5. AGRICULTURAL DEVELOPMENT IN INDIA: THE NEXT STAGE (1988)	190.00

**SEMINAR SERIES**

6. No. IV. SEMINAR-CUM-WORKSHOP ON PROBLEMS OF FARM PRO- DUCTION PLANNING AND PROGRAMMING (1964)	10.00
7. No. VI. SEMINAR ON FARM PRODUCTION PLANNING AND PROGRAM- MING (1965)	8.00
8. No. VII. SEMINAR ON PROBLEMS OF SMALL FARMERS (1968)	10.00
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 DEVELOP- MENT OF INDIA'S AGRICULTURE (1976)	30.00
12. No. XV. SEMINAR ON CROP INSURANCE (1983)	60.00
13. TECHNOLOGY OPTIONS AND ECONOMIC POLICY FOR DRYLAND AGRICULTURE: POTENTIAL AND CHALLENGE Edited by Dr.N.S.Jodha (1989)	250.00
14. LIVESTOCK ECONOMY OF INDIA (1989)	95.00

Nos. 4 and 14 can be had from:  
OXFORD & IBH PUBLISHING CO. PVT. LTD.,  
66, Janpath, New Delhi-110 001.

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.