



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 XIII
No. 1

ISSN 0019-5014

CONFERENCE
NUMBER

JANUARY-
MARCH
1958

INDIAN JOURNAL OF AGRICULTURAL ECONOMICS



INDIAN SOCIETY OF
AGRICULTURAL ECONOMICS,
BOMBAY

INTERNATIONAL LABOUR REVIEW

Monthly—Articles on Economic and Social Topics

A statistical supplement gives information on employment, unemployment, wages, consumer prices, etc. Among recent articles have been the following :

The Influence of International Labour Conventions on Indian Labour Legislation.

Employment and Unemployment: Government Policies since 1950.

Social Aspects of European Economic Co-operation.

International Movements of Capital and Labour since 1945.

Women in the Factory : A Record of Personal Experience.

Welfare of Seamen on Board Ship.

A specimen copy of the Review and a catalogue of International Labour Office publications will be forwarded on application to the International Labour Office, Geneva, or to the Director of the Indian Branch Office of the I. L. O., 1-Mandi House, New Delhi.

Annual subscription : Rs. 24.00.

Single copies : Rs. 2.37

(Published in English, French and Spanish editions)

INDIAN AGRICULTURE IN BRIEF

A useful handy and pocket size booklet has been recently brought out by the Economic and Statistical Adviser, Ministry of Food and Agriculture, Government of India, with a view to meeting primarily the need of those who wish to have a snap-shot picture of Indian Agricultural Economy as revealed by the current Agricultural Statistics. Certain essential data in allied sphere, e.g., population, national income, etc., needed for an understanding of the agricultural economy in its broader perspective have also been included in this booklet.

Price per copy Rs. 0.50

Copies available from :—

**THE MANAGER OF PUBLICATIONS,
CIVIL LINES, DELHI.**

THE INDIAN ECONOMIC JOURNAL

The Quarterly Journal of The Indian Economic Association

Vol. V

JANUARY 1958

No. 3

Edited By:

R. Balakrishna

D. T. Lakdawala

P. R. Brahmanand

Articles

People's Capitalism for Export?
 Long Term Changes in Output and Income
 in India : 1896-1960
 The Dearth of Dollars
 State Finance Corporations in India
 All This—and Sociology, Too !

... Henry C. Wallich
 ... Surendra J. Patel
 ... Shanti S. Tangri
 ... C. K. Shah
 ... Freddie A. Mehta

Notes

Imperfect Competition in Agricultural
 Markets in India
 Legislation and Collective Bargaining
 Report of the Foodgrains Enquiry Committee

... S. S. Madalgi
 ... A. V. R. Rao
 ... Vijay Shankar Vyas

REVIEWS

Per Copy : Rs. 5 or 7/6d.
 or \$1.25 post free.

Per Annum: Rs. 15 or £1-5
 or \$4.00 post free.

All Communications should be sent to :

THE EDITOR
THE INDIAN ECONOMIC JOURNAL
 DEPARTMENT OF ECONOMICS,
 UNIVERSITY OF BOMBAY,
 BOMBAY 1.

THE BHUDAN REVOLUTION A SYMPOSIUM

JANUARY 1958

H. S. L. Polak
 Kaka Kalelkar
 J. Mahanty
 U. N. Dhebar
 Gyan Chand
 Josselyn Hennessy
 V. V. Bhatt
 M. L. Dantwala
 R. K. Patil

Philip Zealey
 G. Ramachandran

Maganbhai Desai
 Rohit Dave
 Evelyn Wood

Gandhi and Vinoba
 The Growing Tradition of Gandhism
 Vinoba and Gandhism : A Suggestion
 Bhudan and the Socialist Pattern of Society
 Bhudan as a Social Revolution
 Welfare and the State : An Indian View
 Gramdan and Economic Development
 Institutional Base for Moral Ideas
 Social Revolution Through Bhudan : Its Possible
 Limitations
 Bhudan and Community Development
 Gramdan and the Community Development Pro-
 gramme
 Whither Bhudan : A Study in Ends and Means
 Some Ethical and Psychological Aspects of Bhudan
 Bhudan as Communication

Re 1-50 per copy
 Rs. 5 (\$2-00; 10s.) a year
 January, April, July, October

GANDHI MARG
MANI BHUVAN, LABURNUM ROAD, BOMBAY 7

GUJARAT RESEARCH SOCIETY

PUBLICATIONS OF THE GUJARAT RESEARCH SOCIETY

	Rs. np.
JOURNAL OF THE GUJARAT RESEARCH SOCIETY (Published four times a year, January, April, July and October). Rs. 2.50 per copy, per annum	6.00
ENGLISH-GUJARATI SCIENTIFIC GLOSSARY* in Nagari Script, by P. G. Shah, pp. LIII+197, 1949	3.00
VIGNAN VICHAR (Gujarati) by P. G. Shah, pp. 256	2.50
RACE REALITIES IN CULTURAL GUJARAT (with maps, 40 photographs, 13 charts, curves, etc.) by Dr. D. N. Majumdar	12.50
SOCIAL AND ECONOMIC SURVEY OF MEHSANA DISTRICT (Gujarati)	3.00
GUJARATNU GRAMJIVAN (Economic life in Gujarat Village) by Shri M. B. Nanavati	1.00
BOTANY OF DANGS DISTRICT by H. Santapau	5.00
A REPORT ON INTELLIGENCE TESTING OF GUJARATI SPEAKING CHILDREN , by J. H. Trivedi and M. P. Vaidya	2.00
THE BACKWARD CLASSES OF INDIA , by P. G. Shah	1.00
MAHA GUJARAT SERIES :	
Statistical Abstract of Maha Gujarat	3.50
The Language of Maha Gujarat, by T. N. Dave	1.50
Geological Evolution of Maha Gujarat, by R. N. Sukheshwala	1.50
Birds of Gujarat, by Salim Ali	5.00
Race Elements in Maha Gujarat, by D. N. Majumdar	1.25
Linguistic Limits of Maha Gujarat	1.25
Plant Life of Maha Gujarat, by G. A. Kapadia	3.50
Animal Life of Maha Gujarat, by G. A. Kapadia	1.00
Meteorology of Maha Gujarat, by Lily B. Desai and B. N. Desai	3.00
HEALTH PAMPHLETS AND REPORTS :	
Diet in Health and Disease (No. 1 to 5, out of print)	0.50
Diet in Health and Disease (Gujarati) No. 6	0.50
Diseases of the Digestive System, by Dr. H. I. Jhala and Dr. H. J. Mehta	1.00
Asthma—Its Origin and Prevention	1.00
Cancer, by Dr. H. R. Derasari	0.25
Old Age, by Dr. H. R. Derasari	0.50
Report of the Health Centre Maintained by the Society, by Dr. J. D. Pathak	1.50
Report on Health and Diet Survey of Middle Class Families in Khar 1948-51, by Dr. S. T. Kantawala	2.00

Copies can be had from :

- (1) OFFICE OF THE SOCIETY
- (2) N. M. TRIPATHI & CO., Princess Street, Bombay-2, and
- (3) *NAVJIVAN KARYALAYA, Ahmedabad 14.

PUBLICATIONS sold at concession rates to Members of the Society at Half Price. (Membership Subscription Rs. 12/- per annum).

ADVERTISEMENT TARIFF
FOR
THE INDIAN JOURNAL OF AGRICULTURAL
ECONOMICS (Quarterly)

Mechanical Data

Size of printed page : $7\frac{1}{4}'' \times 5''$

No. of columns : One

Width of column : $5''$

Average No. of pages per issue : about 300 for Conference Number ;
about 100 to 120 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 : Rs. 12 per annum. Annual Subscription:
Rs. 12 inclusive of postage

Conference Number : Single copy : Rs. 6.50

Other issues : Single copy : Rs. 4.00

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

STATEMENT ABOUT OWNERSHIP AND OTHER PARTICULARS OF
THE INDIAN JOURNAL OF AGRICULTURAL ECONOMICS

(In terms of Rule 8 of the Registration of Newspapers (Central) Rules, 1956)

FORM IV

- | | |
|--|---|
| 1. Place of Publication : | The Indian Society of Agricultural Economics,
46-48, Esplanade Mansions, Mahatma Gandhi
Road, Bombay 1. |
| 2. Periodicity of its publication : | Quarterly |
| 3. Printer's Name : | Shri Jitendra M. Nanavati |
| Nationality : | Indian |
| Address : | 7A, Suresh Colony, Ghodbunder Road,
Vile Parle West, Bombay 24. |
| 4. Publisher's Name : | Shri Jitendra M. Nanavati |
| Nationality : | Indian |
| Address : | 7A, Suresh Colony, Ghodbunder Road,
Vile Parle West, Bombay 24. |
| 5. Editor's Name : | Editorial Board : |
| | Prof. M. L. Dantwala } Joint Editors |
| | Dr. M. B. Desai } |
| | Shri V. M. Jakhade |
| | Shri G. B. Kulkarni |
| | Dr. G. D. Agrawal |
| Address : | (1) Prof. M. L. Dantwala
Kumar Villa, 1st Pasta Lane, Colaba,
Bombay 5. |
| | (2) Dr. M. B. Desai,
Department of Economics, University of
Bombay, Bombay. |
| | (3) Shri V. M. Jakhade,
25, 'Bank House', 156, Backbay Reclamation,
Bombay 1. |
| | (4) Prof. G. B. Kulkarni,
9, Sneha Sadan, Sitaldevi Temple Road,
Mahim, Bombay 16. |
| | (5) Dr. G. D. Agrawal,
Directorate of Economics and Statistics,
Ministry of Food and Agriculture, New Delhi. |
| 6. Names and Addresses of individuals who
own the newspapers and partners or share-
holders holding more than one per cent of
the total capital | The Indian Journal of Agricultural Econo-
mics is owned by the Indian Society of Agri-
cultural Economics, 46-48, Esplanade Man-
sions, Mahatma Gandhi Road, Fort, Bombay 1. |

I, Jitendra M. Nanavati, hereby declare that the particulars given above are true to the best of my knowledge and belief.

Date : 25th April, 1958.

S/d. Jitendra M. Nanavati
Name of the Publisher

**THE
INDIAN SOCIETY OF AGRICULTURAL ECONOMICS
OFFICE-BEARERS**

FOR 1958

President :

Shri Manilal B. Nanavati

Vice-Presidents :

Dr. B. K. Madan
Prof. D. G. Karve
Dr. V. K. R. V. Rao

Hon. Secretary and Treasurer :

Dr. M. B. Desai

Hon. Jt. Secretary :

Dr. N. A. Mujumdar

Members of the Executive Committee :

Dr. G. D. Agrawal
Prof. J. J. Anjaria
Prof. H. S. Azariah
Prof. M. L. Dantwala
Shri Raje J. R. Deshmukh
Prof. D. R. Gadgil
Shri V. M. Jakhade
Dr. J. P. Bhattacharjee
Prof. B. A. Balachowdiah

Members of the Research Programmes Committee :

Shri Manilal B. Nanavati (Ex-Officio as President of the Society)
Dr. S. R. Sen (Ex-officio as President-Elect for the Conference)
Dr. B. K. Madan
Prof. C. N. Vakil
Prof. D. R. Gadgil
Prof. D. G. Karve
Dr. V. K. R. V. Rao
Prof. M. L. Dantwala
Dr. M. B. Desai (Ex-officio as Hon. Secretary of the Society)
Dr. N. A. Mujumdar (Ex-officio as Hon. Jt. Secretary of the
Society)

PUBLICATIONS OF

The Indian Society of Agricultural Economics

- | | Rs. nP. |
|--|---------|
| 1. THE INDIAN RURAL PROBLEM. 4th and Enlarged Edition (1951) by Sir Manilal B. Nanavati and Prof. J. J. Anjaria (out of stock) | 14-00 |
| 2. LAND TENURES IN INDIA (1946). A Reprint from the Report of the Famine Inquiry Commission 1945. Also includes useful information supplied by Provincial Governments (out of stock) | 2-00 |
| 3. AGRARIAN REFORMS IN WESTERN COUNTRIES (1946). An appraisal of European Land Reforms and their suitability to Indian conditions | 3-00 |
| 4. A STUDY OF PANCHAYATS IN MADRAS (1947) by K. Jayaraman, M.A., M.Litt. | 5-00 |
| RURAL LIFE SERIES | |
| 5. Rural Problems in Madras. Prepared by the Government of Madras. (1947) | 6-75 |
| 6. Rural Baroda. A Monograph (1949). (out of stock) | 5-00 |
| 7. A SOCIO-ECONOMIC SURVEY OF BHUVEL (1949) English Edition. (out of stock) | 6-00 |
| 8. Gujarati Edition | 4-50 |
| 9. A DESIGN FOR THE LAYOUT OF INDIAN TRANSPORT AND COMMUNICATION SYSTEM (1949) by Dr. G. B. Deodikar, Ph.D., LL.B. | 8-00 |
| 10. AGRICULTURAL ECONOMICS IN INDIA (1950). A Report by Prof. A. W. Ashby on his winter tour (out of stock) | 1-00 |
| 11. RELIEF MEASURES IN FAVOUR OF LOW INCOME FARMERS IN EUROPE (1951) by Dr. Sigmund V. Frauendorfer | 2-50 |
| READINGS IN AGRICULTURAL ECONOMICS SERIES | |
| 12. Vol. I, Nature and Scope of Agricultural Economics (1951) | 5-00 |
| 13. Vol. II, Rehabilitation of Low Income Groups in Agriculture (1951). | 9-00 |
| 14. Vol. III, Ten Years of Rural Rehabilitation in the United States (Abridged) by Olaf Larson (1951) (out of stock) | 5-00 |
| 15. Vol. IV, Introduction to Rural Sociology in India (1953) by A. R. Desai (out of stock) | 8-00 |
| 16. Vol. V, Readings in Land Utilisation (1957) | 10-00 |
| 17. CO-OPERATION IN KODINAR (1952). A socio-economic analysis of the Co-operative Movement based on the field-study conducted by the Society | 6-00 |
| 18. PROBLEMS OF FARM COSTS IN INDIAN AGRICULTURE. A Study in Methodology (1953). Based on the Papers read on the subject at the 12th Annual Conference of the Society (out of stock) | 5-00 |
| 19. POST-WAR AGRICULTURAL PROBLEMS AND POLICIES IN INDIA (1954) by S. Thirumalai. A comprehensive study undertaken by the Society on behalf of the Institute of Pacific Relations, U.S.A. (out of stock) | 12-00 |
| 20. THE ECONOMICS OF ESTATE FARMING (1954) by R. K. Hazari | 3-00 |
| 21. ECONOMIC AND SOCIAL SURVEY OF MEHSANA DISTRICT (1954). A Socio-Economic study conducted by the Society. English Edition | 7-00 |
| 22. Gujarati Edition | 3-00 |
| 23. RAINFALL AND FAMINE. A STUDY OF RAINFALL IN THE BOMBAY DECCAN, 1865-1938 by Dr. Harold H. Mann. | 2-00 |
| SEMINAR SERIES | |
| 24. Vol. I, RATIONALE OF REGIONAL VARIATIONS IN AGRARIAN STRUCTURE OF INDIA (1957) | 4-50 |
| 25. BHADKAD—Social and Economic Survey of a Village (1957). A Comparative Study, 1915-1955, English Edition | 4-00 |
| 26. Gujarati Edition (1958) | 9-00 |
| 27. 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) by Dr. M. B. Desai (1958.) | 4-00 |

Nos. 3 and 16 can be had from

VORA & CO., PUBLISHERS (PRIVATE) LTD.,

3, Round Building, Bombay 2.

The rest can be had from

THE INDIAN SOCIETY OF AGRICULTURAL ECONOMICS
46-48, Esplanade Mansions, Mahatma Gandhi Road, BOMBAY 1.

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
6. AGRICULTURAL DEVELOPMENT POLICY: ADJUSTMENTS AND REORIENTATION (1990)	250.00

SEMINAR SERIES

7. 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
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, 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.