



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.*

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.

Agric. outlook

SEMINAR SERIES - XI

**Seminar on
DEMAND AND SUPPLY
PROJECTIONS FOR
AGRICULTURAL
COMMODITIES**

GIANNINI FOUNDATION OF
AGRICULTURAL ECONOMICS

WITHDRAWN
OCT 26 1970



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

Seminar on

DEMAND AND SUPPLY
PROJECTIONS
FOR AGRICULTURAL
COMMODITIES



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

© THE INDIAN SOCIETY OF AGRICULTURAL ECONOMICS, BOMBAY

DECEMBER, 1972

Price : Rs. 10.00

Mimeographed and published by Shri T. R. Sundaram for the Owners, The Indian Society of Agricultural Economics, at 46-48, Esplanade Mansions, Mahatma Gandhi Road, Fort, Bombay-1 (India).

P R E F A C E

Considerable thought has been given to the problem of Demand and Supply Projections for agricultural products. While the broad methodology for projections is fairly clear, the fact that estimates, particularly on the supply side, vary by wide margins, indicates the scope for further discussion among economists and experts in other disciplines. Scholars who attempt to make estimates of future demand and supply of agricultural products have to make several assumptions. In areas where factual data and research are still inadequate, assumptions involve a great deal of subjective judgment. With a view to discussing this problem, the Society sponsored a Seminar on "Demand and Supply Projections for Agricultural Commodities" at the Punjab Agricultural University, Ludhiana from 29th to 31st March, 1970. The major objectives of the Seminar were (i) to critically review recent research on demand and supply projections, assess the merits and limitations of different methodology and assumptions; (ii) to identify gaps in relevant data and other research requirements and (iii) to indicate further line of research. Twenty-one scholars including agricultural economists, administrators and a few foreign experts from the USAID and Ford Foundation participated in the Seminar. Ten papers were presented at the Seminar which formed the basis for discussion. We are grateful to the paper-writers for preparing the papers for discussion as well as to the participants for making the Seminar a success.

This Volume contains eight selected Papers and Proceedings of the Seminar. We owe a debt of gratitude to Dr. Nilakantha Rath for editing the Papers and Proceedings of the Seminar for publication.

We are grateful to Dr. M.S. Randhawa, Vice-Chancellor of the Punjab Agricultural University for inaugurating the Seminar. Our grateful thanks are due to Dr. A.S. Kahlon, Dean, College of Basic Sciences and Humanities and Dr. S.S. Johl, Professor and Head of the Department of Economics and Sociology and his colleagues and the Punjab Agricultural University for hosting the Seminar and for making excellent arrangements. In particular, we express our gratitude to Dr. Johl for preparing the Proceedings of the Seminar.

M. L. DANTWALA
President

1st December, 1972.

C O N T E N T S

	<u>Page</u>
PREFACE .. M. L. DANTWALA	v

PART I

PAPERS SUBMITTED AT THE SEMINAR

1. Needed: An All-India Co-ordinated Demand and Supply Projection Research Programme	William E. Hendrix ..	1
2. Long Range Agricultural Adjustment Analysis	Ralph W. Cummings, Jr. ..	16
3. An Estimate of Demand For Cereals and Pulses in the Coming Decade	A.S. Patel and V. S. Vyas ..	60
4. Dynamic Supply and Demand Models for Better Estimations and Projections: An Econometric Study for Major Foodgrains in the Punjab Region	C. C. Maji, D. Jha and L.S.Venkataramanan	73
5. Demand and Supply Projections for Major Agricultural Commodities in Punjab (1968-69—1983-84)	S. S. Johl and J. L. Kaul ..	99
6. Predicting Crop Production in Haryana (Application of Recursive Programming Technique)	Daya Singh and A. S. Kahlon ..	152
7. Alternative Models of Long Run Supply and Demand Projections in Agriculture	R.C. Agrawal ..	183
8. Approaches to Demand Projections for Food Commodities	P. S. George ..	207

(P.T.O.)

	<u>Page</u>
Proceedings of the Seminar	219
APPENDIX — LIST OF PARTICIPANTS	227

PART I

PAPERS SUBMITTED AT THE SEMINAR