



**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](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.*

Regd. No. F2 (A/67)/89

Statement of Ownership and other Particulars  
AGRICULTURAL ECONOMICS RESEARCH REVIEW  
Form IV (See Rule 8)

Place of Publication : New Delhi

Periodicity of Publication : Half Yearly

Printer's Name : Venus Printers & Publishers  
B-62/8, Phase II  
Naraina Industrial Area  
New Delhi - 110 028

Publisher's Name : Dr. Mruthyunjaya

Nationality : Indian

Address : Director, NAIP, Krishi Anusandhan  
Bhawan II, Pusa Campus, IARI  
New Delhi – 110 012

Editor's Name : Dr. Dayanatha Jha

Nationality : Indian

Address : National Centre for Agricultural  
Economics and Policy Research  
New Delhi – 110 012

Name and Address of Individuals : Agricultural Economics Research  
who own the newspaper and Association (India)  
partners or shareholders holding Division of Agricultural Economics  
more than one per cent of the IARI, New Delhi – 110 012  
total capital Email: aeraindia@gmail.com

I, Dr. Mruthyunjaya, hereby declare that the particulars given above are true to the best of my knowledge and belief.

Sd/-

Mruthyunjaya  
Signature of Publisher

# Agricultural Economics Research Review

[Journal of the Agricultural Economics Research Association (India)]

---

**Vol. 19**

**No. 1**

**January-June 2006**

---

*Special issue on*

## **Water Management in Agriculture**

### **CONTENTS**

#### **Presidential Address**

- Risks in Agriculture: Some Issues 1  
*S.S. Acharya*

#### **Research Articles**

- Encroachment of Waterspread Area of Tanks in Karnataka: Magnitude, Causes and Consequences 11  
*P. Thippaiah*
- Factors Determining Farmers' Decision for Buying Irrigation Water: Study of Groundwater Markets in Rajasthan 39  
*Purushottam Sharma and R.C. Sharma*
- Dimensions and Determinants of Peoples' Participation in Watershed Development Programmes in Rajasthan 57  
*P.S. Badal, Pramod Kumar and Geeta Bisaria*
- Economic Viability of Rainwater Harvesting by Renovating Village Ponds in Small Agricultural Watershed of Johranpur (HP) 71  
*Swarn Lata Arya and R.P. Yadav*
- Impact of Land Irrigability Classes on Crop Productivity in Canal Command Area of Gujarat: An Economic Analysis 83  
*B.L. Gajja, Khem Chand and Y.V. Singh*
- A Study on Evolving Optimal Cropping Patterns in Groundwater Over-exploited Region of Perambalur District of Tamil Nadu 95  
*R. Mahendran, M. Chandrasekaran and S. Gurunathan*

*Contd....*

*Contents contd....*

Impact of Land Tenure System in Watershed Development Programmes in the Meghalaya State, North-East India <i>S.B. Singh, K.K. Datta and S.V. Ngachan</i>	109
Equity Issues Relating to Irrigation-induced Soil Degradation under Left Bank Canal of Tungabhadra Project Area, Karnataka <i>B. Chinnappa and N. Nagaraj</i>	121
Structure, Determinants and Efficiency of Groundwater Markets in Western Uttar Pradesh <i>D.R. Singh and R.P. Singh</i>	129
Increasing Income and Employment through Sustainable Farming Systems in Water Scarce Region of Uttar Pradesh <i>Shalander Kumar, D.K. Jain and Raj Vir Singh</i>	145
Resource-use Efficiency of Paddy Cultivation in Peechi Command Area of Thrissur District of Kerala: An Economic Analysis <i>A.Suresh and T.R. Keshava Reddy</i>	159
<b>Research Notes</b>	
Is Irrigation Water only Used for Irrigation? An Enquiry into the Alternative Uses and an Attempt on Valuation <i>Indira Devi P. and K.P. Mani</i>	173
An Economic Analysis of Tank Rehabilitation in Madurai District of Tamil Nadu <i>J.S. Amarnath and P. Karthik Raja</i>	187
Recommendations of the 13th AERA Conference	195
Guidelines for Submission of Papers/Abstracts	201
Conference Proceedings of AERA	203
Announcement of 14th Annual Conference of AERA	204