

Impact Factor - 6.261

ISSN - 2348-7143

INTERNATIONAL RESEARCH FELLOWS ASSOCIATION

RESEARCH JOURNEY

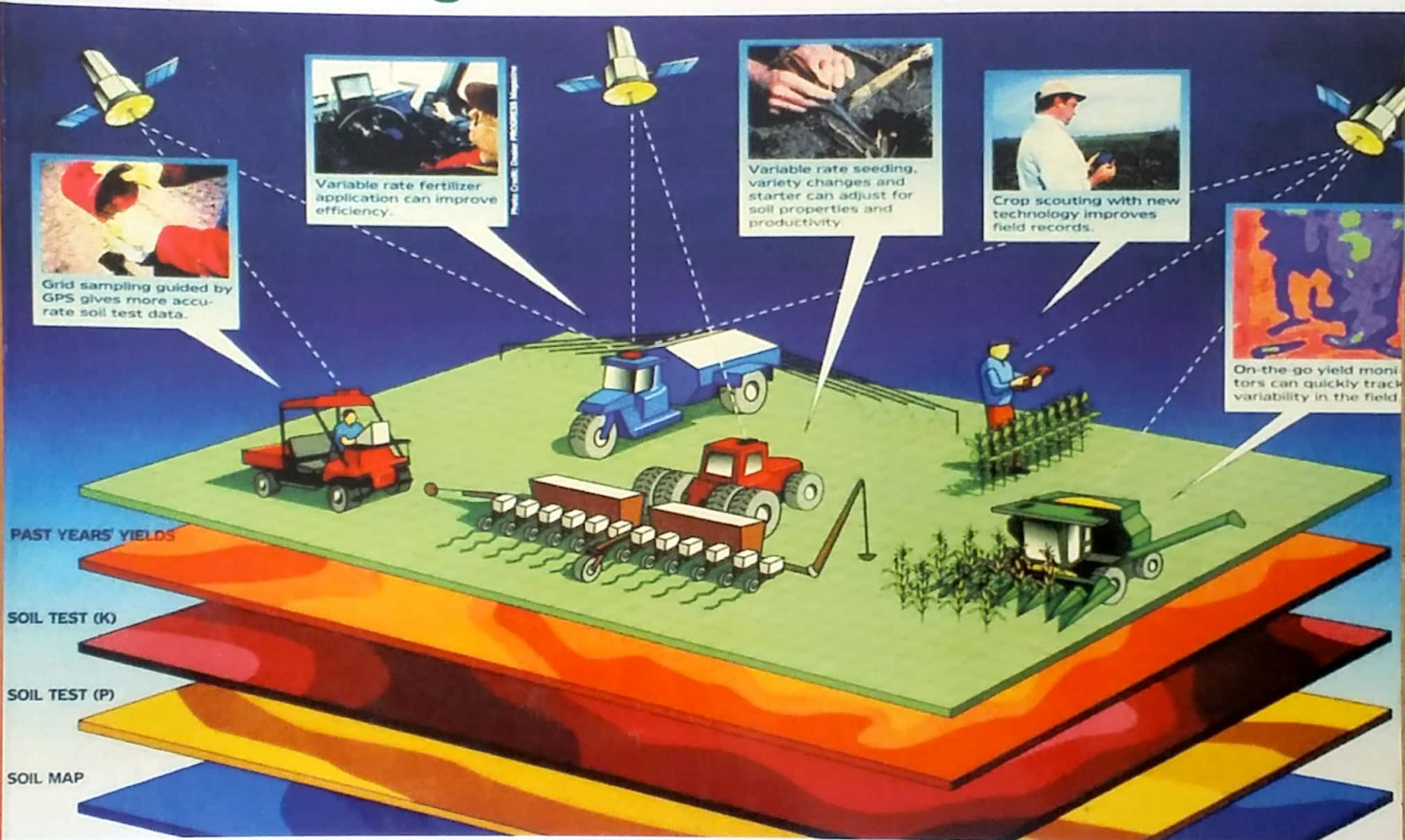
INTERNATIONAL E-RESEARCH JOURNAL

PEER REFREED & INDEXED JOURNAL

January - 2019

SPECIAL ISSUE- 100

Application of GIS & Remote Sensing in Agriculture Development



Guest Editor :

Dr. Dilip Dhondge

Principal,

K.A.A.N.M. Sonawane College,

Satana, Tal. Baglan,

Dist. Nashik (MS) India.

Executive Editor :

Dr. N.N. Gholap

Prof. D.K. Ahire

Prof. R.D. Khurche

Prof. L. S. Suryawanshi

Prof. Y.B. Jadhav

Prof. U.M. Patole

Chief Editor :

Dr. Dhanraj T. Dhangar

Yeola, Dist. Nashik

(MS) India.



This Journal is indexed in :

- UGC Approved Journal
- Scientific Journal Impact Factor (SJIF)
- Cosmos Impact Factor (CIF)
- Global Impact Factor (GIF)
- International Impact Factor Services (IIFS)
- Indian Citation Index (ICI)
- Dictionary of Research Journal Index (DRJI)

SWATIDHAN PUBLICATIONS



INDEX

No.	Title of the Paper	Author's Name	Page No.
1	Application of GIS and Remote Sensing for Agriculture and Rural Development	V. J. Somani	07
2	Climate Change and Its Impact on Agriculture	Dr. Girishkaumar Rana	16
3	Levels of Agricultural Performance in Drought- Prone Areas of Jalgaon District, Maharashtra State India	Dr. D. S. Suryawanshi & Dr. N.A. Patil	26
4	Geographical Study of Sugar Industries in The Nashik District	Mr. Anil Gaikwad & Dr. S. N. Nikam	35
5	Altitude Wise Yield of Pomegranate An Economics Analysis in Dhule District (M. S.) India	Dr. Suresh Ahire	41
6	Remote Sensing and GIS Applications in The Forest Management	Dr. M. V. Suryawanshi	47
7	Estimation of Changes in Vegetation Density in Sirumalai Hills Using Geoinformatics Technology	M. Monisha Mohan, M.Muthukumar & M. Arasumani	55
8	Optimal Portfolio Using The Sharpe Index Model With Reference To Selected Companies From Banking Sector in India"	Dr. Kalpesh Chopra	61
9	The Role of Commercial Banks in Providing Agricultural Credit.	Dr. Bhavini Patel	65
10	Dilemma and Prospects in Indian Agricultural Marketing	Dr. Dipika Ravaliya	75
11	Application of Geoinformatics in Soil- Site Suitability Assessment for Grape Cultivation- A Case Study of Village Haste Dumala, Nashik, M.S.	Dr. Dnyaneshwar Pawar & Bhagyashree Tatar	81
12	A Study of Temporal & Spatial Analysis of Landuse Pattern of Deogaon Village in Trimbakeshwar Tahsil	Dr. Santosh Jadhav	91
13	Regional Disparities in Levels of Agricultural Resource Development in Satara District: A Geographical Study	Dr. S. B. Rathod, Shri. D.N. Kharat & Prin. Dr. T.N.Gholap	97
14	Artificial Ground Water Recharge By Rooftop Rainwater Harvesting Technique In School Building: A Case Study	Dr. V. P. Gaikwad	102
15	An Assessment of Irrigation Projects in Panzara Basin of Dhule District	Mr. Hemant Nandre & Dr. Shivaji Patil & Mr. Yogesh Masule	107
16	Geographical Analysis of Onion Crop Concentration In Nashik District	Dhanraj Ahire	111
17	The Contribution of Indian Agriculture Sector in GDP of India	Dr.P.S. Kudnar	115
18	A Geographical Study of Sex Ratio in Maharashtra State of India...	Dr. Namdev Gajre	118
19	Productive Efficiency and Various Farm Size Ratio in Indian Agricultural Sector	Dr.Raviprakash Thombre & Mr.Vitthal Kadus	125
20	Environment and Landslide Disaster on Toranmal Plateau	Dr.U.P. Suryawanshi	131
21	GIS: Dynamic Nature of Reality in Geography	Dr. Sudhir Tambe	135
22	Climate Change and Its Impact on Agricultural Productivity in India	Prof. K.A. Lande & Prof. K.S Gaikwad	138
23	A Micro Level Study of Sex Ratio in The Akoletahsil of Ahmednagar District, Maharashtra.	Dr. Deepak Gadekar & Dr. P.H. Mhaske	143
24	A Study of Regional Development in India	Dr. Sudhir Tambe, Dr.N.N.Gholap	148
25	Impact of Lithification on Agriculture Along Western Coast of Maharashtra	Wagh Sahebrao K.	152



Productive Efficiency and Various Farm Size Ratio in Indian Agricultural Sector

Dr. Raviprakash Thombre
Head, Department of Geography
Radhabai kale Mahila Mahavidyalaya
Ahmednagar

Mr. Vitthal Kadus
Asst. Prof Department of Geography
S.S.G.M College Kopargaon

Abstract

This paper is an outcome of a study carried out by the me to understand the awareness of recent developments in Agricultural in new scenario. When the decisions are in world context, cost structure is an integral part of it. Keeping the objective in mind to understand the current level of awareness and some measures to improve it the study was done. Size of farm and productive efficiency with inadequate knowledge may suffer in business decisions and, as, whole the economy of the country in turn.

Introduction

Global and Indian agriculture facing numerous challenges. Indian agriculture abounds in small size farms. The data on operational holding put the numbers of marginal holding at 59 percent of the total holding in the country.

The term family holding was used by the panel on land reforms taking income as the basis an optimum holding refers to the maximum size of holding which a family should possess. Three times the family holding was consider to be an adequate size of optimum holding The whole idea behind imposing this ceiling on size of holding is to fix an upper limit up to which Normally a family can be a allowed to possess land.

The Indian agrarian structure is thus characterized by an unequal land distribution between small and large farms. In this context, an issue often debated is whether small is efficient or large farm is efficient.

Factors on which the size of Economic Holding Depends

Thus the size of an economic holding depends upon various factors which may differ from region to region or even from locality to locality

- i. The more fertility of soil:- The more fertile the soil the less will be the amount of land required in order to provide reasonable standard of living to the peasant family. In this connection, it is necessary to remember that those enjoy comparatively high fertility.
- ii. Method of cultivation:- The size of economic holding will depends upon the methods of cultivation. If the farmers makes use of agriculture machinery such as tractor harvester etc. the size of the economic holding will have to be large.
- iii. Nature of the crops:- the size of economic holding will also depends upon the type of crop raised. For instance, vegetable cultivations is highly intensive and even a small farm of 2 or less hectares can provides full and continuous employment to an averages agricultural family and provide it with reasonable level of living.

Changing Pattern of Ownership and Operational Holdings

Three conclusions can be drawn from the data given in table

1. The share of marginal and small farmers in the area owned has been increasing over time, but their percentage of ownership has also risen substantially.