Impact Study on Introduction of Green Gram (Vigna radiata) Cultivation in Sundarbans, West Bengal

Ganesh Chandra
R L Sagar

Available at: https://works.bepress.com/ganesh_chandra/25/
Impact Study on Introduction of Green Gram (\textit{Vigna radiata L.}) Cultivation in Sundarban, West Bengal

Central Inland Fisheries Research Institute
(Indian Council of Agricultural Research)
Barrackpore, Kolkata - 700 120, West Bengal
IMPACT STUDY ON INTRODUCTION
OF GREEN GRAM (VIGNA RADIATA L.)
CULTIVATION IN SUNDARBAN, WEST BENGAL

Prepared by
Ganesh Chandar
&
R. L. Sagar

Central Inland Fisheries Research Institute
(Indian Council of Agricultural Research)
Barrackpore, Kolkata -700 120 West Bengal
Impact Study on Introduction of Green Gram
(Vigna radiata L.) Cultivation in Sundarban, West Bengal

ISSN 0970-616 X

© 2003

Material contained in this Bulletin may not be reproduced, in any form,
without the permission of the publisher

Produced at : The Project Monitoring & Documentation Section
CIFRI, Barrackpore

Published by : The Director, CIFRI, Barrackpore

Printed at : M/S. Classic Printer, 93, D.D. Road, Kolkata-700048
Foreword

Rapid economic growth is essential for achieving food security for all. The challenge is to achieve that growth in a way that benefits the poor- Pro Poor Economic Growth. Pro poor economic growth can take place only if poor people have access to productive resources and remunerative employment.

Sundarban, the biggest delta of the world covering 10000 square kilometer area is famous for its Mangrove ecosystem, Sundari tree and Biosphere reserve. Agriculture in Sundarban is totally depending on rice based cropping system. Under ICAR's Frontline Demonstration programme on oilseeds and pulses, Demonstration on Green gram cultivation technology was conducted on farmers' field in 5 adopted development blocks of KVK of CIFRI, Kakdwip. Impact study on “Introduction of Green Gram Cultivation in Rice Fallow System in Sundarban, West Bengal” has been done to assess the socio-economic advancement of farming communities in reference to various social, economic indicators, sustainability and food and livelihood security. This study has thrown light on the changes in the livelihood of the farming populace of Sundarban.

D. Nath
Director
PREFACE

In the context of sustainable agricultural development, agricultural extension has a very crucial role to play. The tasks and responsibilities of extension service will need to be broad-based and holistic in contents and scope, thus beyond agricultural technology transfer. Its normal task of transferring and disseminating to farmers appropriate agricultural technologies and good farm practices would not be sufficient. Traditional Extension has been a top down process. Scientists developed products and methods which, following promulgation by Extension agencies: farmers were expected top adopt. Farmers’ attitude and their lack of knowledge were considered to be the main barriers to adoption. Little consideration was give to farmers point of view.

Agriculture in Sundarban is represented by rice based cropping systems, where rice is the most dominant crop and in most parts it was the single crop grown and harvested in whole agriculture year. With the start of Technology Mission on pulses, Frontline Demonstration on Green gram were conducted in five development blocks of KVK viz. Kakdwip, Namkhana, Patharpratima, Sagar and Kulpi.

This impact study was conducted in the year 2002-2003 and thrown light on the valuable information about the social and economic development of the farming community through the adoption of Green Gram cultivation in Sundarban. The results has shown that how the objectives of sustainability, Environmental protection and food and livelihood security was achieved. This research study has also given some insight into the increase in labour utilisation and decrease in rural to urban migration.

Hope this study will help Scientists and Researchers in future studies.

AUTHORS
## Contents

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Particulars</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Introduction</td>
<td>1-3</td>
</tr>
<tr>
<td>2</td>
<td>Methodology</td>
<td>4</td>
</tr>
<tr>
<td>3</td>
<td>Results and Discussion</td>
<td>5-17</td>
</tr>
<tr>
<td>4</td>
<td>Findings &amp; Conclusions</td>
<td>17-18</td>
</tr>
</tbody>
</table>