



ICAR - Agricultural Technology Application Research Institute, Umiam (Barapani)
Ri- Bhoi District, Meghalaya - 793103



Technology Inventory for Northeast India

R. Bordoloi, Bidyut C. Deka, A.K Singha,
Bagish Kumar, P.C Jat,
C.K Sarma, R. Borgohain



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Editors:

R. Bordoloi, Bidyut C. Deka, A.K Singha,

Bagish Kumar, P.C Jat,

C.K harma, R. Borgohain

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Preface

Agriculture in Northeast India is by and large technology starved due to wide variations in crops, livestock and other enterprises in different Agro-eco systems. Without adequate technological interventions the region cannot enhance the productivity of various enterprises. Appropriate agricultural technologies can only address the farmers' specific problems for sustainable growth in agriculture. The KVKs of the region have been playing a significant role in transferring the technologies developed by various research institutes/ Agricultural Universities in farmers' field. Before demonstrating any agricultural technology, the Subject Matter Specialists need to conduct On Farm Trials (OFT) for evaluating the applicability of the technologies in farmers' situation. The need for a technology inventory comprising various technologies in the field of agriculture, horticulture, animal production, fisheries, integrated farming, organic agriculture etc. was discussed in various review meetings in last few months. Therefore, a decision was taken to bring out a publication with all the technologies in a format that helps the SMSs for conducting the OFTs and FLDs in various disciplines.

The present publication entitled "Technology Inventory for Northeast India" is an attempt to compile all the relevant technologies developed by Assam Agricultural University, Central Agricultural University, ICAR Research Complex for NEH Region and other Institutes of the region to assist the KVK Scientists to choose the right technologies for conducting OFTs, FLDs and training etc. so as to fulfil the need of the farmers. We sincerely acknowledge the encouragement and support received from Dr T. Mahapatra, Secretary, DARE and DG, ICAR, New Delhi and Dr. A.K. Singh, DDG (AE) for bringing out this publication.

I appreciate the initiative and effort taken by R Bordoloi, Principal Scientist (AE) and HRD nodal Officer, ICAR-ATARI, Umiam and the entire team of ICAR-ATARI for preparation of the manuscript in time. I hope this publication will help the KVK Scientists to conduct the OFT and FLDs on various disciplines in much more systematic way.

Acknowledgement

The editors of this publication would like to express their sincere gratitude to Dr. T. Mahapatra, Secretary, DARE & Director General ICAR and Dr. A. K. Singh, DDG(AE), ICAR New Delhi for their constant support and encouragement in preparing and bringing out this document for the greater interest of the farming community. The editors deeply acknowledge the helps rendered by all the Heads of ICAR- institutions of Northeast India, AAU, CAU and all contributing Scientists. We also acknowledge the help received from Sr. Scientist & Head Dr. C.K . Sarma and Dr. R Borgohain of KVK Bongaigaon and KVK, Jorhat, respectively for assisting us in editing the document. We are thankful to Sr. Scientist & Head Dr. M Islam, Dr. T. Samajhdar, Dr. M. Pathak of KVK Ribhoi, West Garo Hills and East Siang, respectively for helping us in collecting the information from respective host institutions. We are also thankful to Mr. Synshai Jana, Data entry operator of ICAR- ATARI for the help in compiling the information obtained from different Institutes in time. The authors also thankfully acknowledge the services rendered by all the staffs of Rumi Jumi Enterprise

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(Editors)

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INDIAN COUNCIL OF AGRICULTURAL RESEARCH

Krishi Anusandhan Bhawan, Pusa, New Delhi – 110 012

Ph.: 91-11-25843277 (O), Fax : 91-11-25842968

E-mail: aksicar@gmail.com



Dr. A.K. Singh

Deputy Director General (Agricultural Extension)

Foreword

Agricultural Extension plays a crucial role in the application of proven technologies in the micro agro ecological conditions. Over the period, the frontline extension system of the council through its mandated activities ensures that the gap between technology generation and technology transfer is minimized. Technology assessment, demonstration and capacity development is the main mandate of KVK which help towards technology adoption, consistent with farmer's circumstances, compatible with actual farming system corresponding to farmer's goals and preferences.

I am happy to learn that ICAR-ATARI Umiam has taken a timely initiative to bring out a publication entitled "Technology inventory for North East India" compiling all the technologies generated by different ICAR Institutes and SAU/CAU of the North Eastern Region for the benefit of the KVKs. I am sure this publication will be of immense help to all the KVK experts and other stakeholders of the region.

I compliment the Director, ICAR-ATARI, Umiam and the entire team for their effort to bring out this valuable publication when the country is pursuing Doubling Farmers' Income by 2022. I wish this publication shall fulfil the long standing demand of the region.

(A. K. Singh)

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