

vol. 2

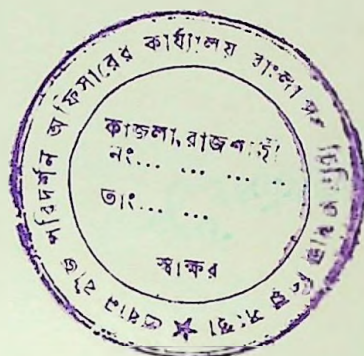
July - 1980

BANGLADESH
JOURNAL OF
SUGARCANE

Vol. 2

July, 1980

BANGLADESH JOURNAL OF SUGARCANE



VOLUME 2

JULY 1980

Publication No. 15

SUGARCANE RESEARCH INSTITUTE

Ishurdi, Pabna, Bangladesh.

BANGLADESH JOURNAL OF SUGARCANE

EDITORIAL BOARD

M. SHAHJAHAN, Ph.D., AFAIM.	—	Editor
M. A. HAMID MIAH, Ph.D., D.I.C.	—	Associate Editor
M. A. KARIM, Ph. D.	—	Member
M. AKBAR ALI SARKAR, M. Sc.	—	Member
A. H. M. DELWAR HOSSAIN, M. Sc. Ag.	—	Member
MUSTAFA KAMAL, M.Sc. Ag.	—	Member.

EDITOR'S NOTE

We are pleased to see the publication of the Second volume of the Bangladesh Journal of Sugarcane. It is our pride that the young scientists of the Sugarcane Research Institute has taken a very correct step to share their knowledge of sugarcane research achievement with national and international community. They deserve commendation from all of us.

The present days of the century demands sharing of knowledge. The publications of the materials is one of the best method of communication with those who are staying away from us. We are very happy to see the way our young scientists are sharing their knowledge and communicating among themselves the best possible way they can. This is a very healthy sign of development of sugarcane science and technology in Bangladesh.

The research materials presented in this volume essentially includes information relating to the planting method of sugarcane with relay crop, stability analysis for yield and quality of sugarcane clones, damage assessment for Top Shoot Borers, split application result with nitrogen, post harvest deterioration, flowering effect of cane on quality of juice, incidence and distribution of some sugarcane diseases during the early stage of plantation.

We feel this information, based on local studies, would add to increase to some extent the horizon of knowledge of those extension officers who are engaged in cane development works for the benefit of the sugarcane growers and sugar industry in Bangladesh.

Initially, we recognize our drawbacks and deficiencies, but with time this journal would undoubtedly continue to grow and serve the sugarcane growers and sugar industry in the years to come.

We are dedicated and determined to raise the status of the journal to international standard and make it a practical and productive guide for all those who are involved in practical cane growing here and abroad. We would always welcome your suggestions and constructive criticism.

MAY ALLAH ALMIGHTY BLESS US ALL FOR THE DEVELOPMENT OF SUGAR-CANE SCIENCE AND TECHNOLOGY NATIONALLY AND INTERNATIONALLY.

M. SHAHJAHAN
Director and Editor

CONTENTS

PLANTING METHOD OF SUGARCANE IN RELAY INTERCROPPING WITH PADDY IN BANGLADESH.

- S. A. Imam, M. A. Razzaque and A. Ali 1

STABILITY ANALYSIS FOR YIELD AND QUALITY OF SOME SUGARCANE CLONES.

- M. A. K. Mian and A. Awal 9

ASSESSMENT OF LOSS CAUSED BY TOP SHOOT BORER (*Scirpophaga excerptalis* Walk.) AND STEM BORER (*Chilo tumidicostalis* HAMPS. AND *Chilo auricilius* DUDGEON).

- M. A. Hamid Miah, A. K. M. Qudrat-E-Khuda, Abu Zahangir Khan and M. Shahjahan 13

STUDIES ON SPLIT APPLICATION OF NITROGEN IN SUGARCANE.

- M. J. Islam, M. M. Rahman and S. M. E. Ali 19

PREVENTING POST-HARVEST DETERIORATION OF SUGARCANE.

- S. M. E. Ali, M. M. Haque and M. A. A. Sarkar 25

STUDY ON THE EFFECT OF FLOWERING OF CANE ON THE QUALITY OF JUICE.

- M. A. A. Sarkar and M. A. S. Miah 33

ASSESSMENT OF LOSSES CAUSED BY TOP BORER *Scirpophaga excerptalis* Walker ON MILLABLE SUGARCANE.

- M. Khalequzzaman and M. A. Mannan 37

SURVEY OF SUGARCANE DISEASES IN EARLY STAGES OF PLANTATION ITS INCIDENCE AND DISTRIBUTION IN THE SUGAR MILLS ZONE IN BANGLADESH.

- Sharifur Rahman, Shahjahan Ali and Golam Mostafa 43