



SUGARCANE BREEDING INSTITUTE
(INDIAN COUNCIL OF AGRICULTURAL RESEARCH)
COIMBATORE 641 007
www.sugarcane-breeding.tn.nic.in



Dr. N.Vijayan Nair
Director

F.No 19-6/2009/Tech

30 April 2009

GENERAL CIRCULAR - I

Dear Sir,

Sugarcane Breeding Institute, Coimbatore in collaboration with University of Agricultural Sciences, Dharwad and the sugar industries of Northern Karnataka would be organizing **14th meeting of Sugarcane Research and Development workers of Northern Karnataka** during **June 26-27, 2009** (tentative) to discuss the following topics, besides a general discussion on maximizing cane yields:

- i. Mechanization in sugarcane farming
- ii. Varietal position in sugar factories
- iii. Performance of new sugarcane varieties
- iv. AICRP (S) Varietal trials and SUBACS
- v. Sugarcane seed nursery programme

GMR Industries Ltd., Bangalore is likely to host the meeting. The confirmed dates and venue of the meeting will be intimated shortly.

You are cordially invited to attend this meeting along with your colleagues and participate in the discussion. Manuscripts of the papers to be presented in the meeting covering various topics may please be prepared as per the guidelines enclosed and sent to the undersigned by **30 May 2009**. The guidelines can be also be downloaded from our website www.sugarcane-breeding.tn.nic.in . Sugar industries are requested to provide status reports on the topics for discussion. All the papers may be sent in the form of a printout along with a CD. Alternatively, the papers can be sent by email to sbiextension@yahoo.com. The papers may be prepared using MS Word (2003 version preferable). It is also suggested that you may take sufficient care to prepare the papers so as to derive maximum benefits out of the discussions that would follow in the meeting.

With regards,

Yours sincerely,

(N.VIJAYAN NAIR)

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GUIDELINES FOR PREPARING PAPERS

Topic I: Mechanization in sugarcane farming

New implements used in sugarcane cultivation – sugarcane planter – intercultivator – earthing up ridger – stubble shaver - offbarrer- combined ratoon manager - weeder – rotovator – harvester - Extent of mechanization in farmers’ fields – saving in labour, time and cost - merits and demerits in mechanization – scope for mechanization in farmers’ fields – perception of farmers towards mechanization – mechanized harvesting – pros and cons of mechanized harvesting in sugarcane – steps initiated to popularize mechanization in sugarcane – constraints in adoption of sugarcane mechanization.

Topic II: Varietal position in sugar factories

Sugar factory personnel to provide the following details;

2006-07

| S.No | Variety | Area covered | Percentage | Average yield t/ha | Highest yield t/ ha |
|------|---------|--------------|------------|-----------------------|------------------------|
| | | | | | |

2007-08

| S.No | Variety | Area covered | Percentage | Average yield t/ha | Highest yield t/ ha |
|------|---------|--------------|------------|-----------------------|------------------------|
| | | | | | |

2008-09

| S.No | Variety | Area covered | Percentage | Average yield t/ha | Highest yield t/ ha |
|------|---------|--------------|------------|-----------------------|------------------------|
| | | | | | |

Topic III Performance of new sugarcane varieties

Scientists from Sugarcane Breeding Institute, Coimbatore and Sugarcane Research Stations of Northern Karnataka would be presenting the characteristics of new sugarcane variety and their performance in Northern Karnataka. All the participants may give their observations on the performance of new varieties especially with reference to cane yield (average and highest yield recorded) quality (including SMT and BMT results), performance in different soil types and months of planting & optimum age at harvest. Incidence of pest and diseases, tolerance to abiotic constraints such as drought, water-logging etc. may also be indicated.

Topic IV All India Coordinated Research Project on Sugarcane Varietal Trials and SUBACS

The results of AICRP trials conducted by the sugar factories in Northern Karnataka would be presented. Under SUBACS, the results of Frontline Line Demonstrations would be presented by the scientists of the research stations.

Topic V Seed Nursery Programme

Breeder seed production programme of the Research stations of Northern Karnataka would be discussed. Sugar factories may present their seed nursery programmes and indicate breeder seed requirements.