



**SUGARCANE BREEDING INSTITUTE**  
**(INDIAN COUNCIL OF AGRICULTURAL RESEARCH)**  
**COIMBATORE 641 007**



**Dr. N. Vijayan Nair**

Director

F.No 19-6/2010/SK R&D/

26 February 2010

### GENERAL CIRCULAR I

Dear Sir/Ma'am,

Sugarcane Breeding Institute, Coimbatore in collaboration with University of Agricultural Sciences, Bangalore, the sugar industries of Karnataka and Karnataka Sugar Institute would be organizing the **18<sup>th</sup> meeting of Sugarcane Research and Development workers of Southern Karnataka** during **8-9 June 2010** to discuss the following topics:

- i. Wide row spacing in sugarcane
- ii. Mechanization in sugarcane farming
- iii. Integrated Nutrient Management in Sugarcane
- iv. Varietal position in sugar factories
- v. Performance of new sugarcane varieties
- vi. AICRP (S) Varietal trials and SUBACS
- vii. Sugarcane seed nursery programme

**NSL Sugars Ltd., Koppa** would be hosting this meeting at their factory premises.

You are cordially invited to attend this meeting along with your colleagues and participate in the discussions. 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 **05 April 2010**. The guidelines can be also be downloaded from our website [www.sugarcane-breeding.tn.nic.in](http://www.sugarcane-breeding.tn.nic.in) . 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](mailto:sbiextension@yahoo.com). The papers may be

prepared using MS Word (Office 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,

Sd/-

**(N.VIJAYAN NAIR)**

Director

---

Telephone Nos: Office: EPBX: 0422-2472621, 2476261, 2472986; Fax: 0422-2472923;  
Email: [sbiextension@yahoo.com](mailto:sbiextension@yahoo.com)

## GUIDELINES FOR PREPARING PAPERS

### **Topic I: Wide row spacing in sugarcane**

Area covered under wide row spacing – different spacings adopted - extent of adoption of wider row spacing by farmers - yield improvement/reduction in wide row spacing *vis-a-vis* normal row spacing - performance of varieties in 90, 120, 150 cm or above spacing - merits and demerits of wider row spacing with reference to inter cropping, mechanization, micro irrigation etc., - package of practices used for wider row spaced sugarcane - cost effectiveness of wider row spacing compared to normal row spacing - efforts taken to spread the technology - perception of farmers towards wider row spacing.

### **Topic II: 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 III: Integrated Nutrient Management in Sugarcane**

Soil fertility status – occurrence of nutrient deficiencies - optimum dose of NPK recommended (General/Soil test based) – amount, time and method of application of chemical fertilizers – supply and use of organic manures, bio-fertilizers and micro nutrients – green manuring – measures to improve fertilizer-use and cost reduction – constraints in adopting INM package.

#### **Topic IV: Varietal position in sugar factories**

Sugar factory personnel to provide the following details:

##### **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

##### **2009-10**

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

#### **Topic V Performance of new sugarcane varieties**

Scientists from Sugarcane Breeding Institute, Coimbatore and Sugarcane Research Stations of Southern Karnataka would be presenting the characteristics of new sugarcane varieties and their performance in Southern Karnataka. 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 and incidence of pest and diseases. Tolerance to abiotic constraints like drought, water-logging etc. may also be indicated.

#### **Topic VI All India Coordinated Research Project on Sugarcane Varietal Trials and SUBACS**

Scientists from Sugarcane Breeding Institute, Coimbatore and Sugarcane Research Stations of Southern Karnataka would be presenting the results of AICRP trials followed by the results of AICRP trials conducted by the sugar factories in Southern. The scientists of sugarcane research stations would present the results of Frontline Line Demonstrations, under SUBACS.

#### **Topic VII Seed Nursery Programme**

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