

BREEDING SUPERIOR SUGARCANE VARIETIES OF DIFFERENT MATURITY WITH IMPROVED CANE YIELD, QUALITY AND RESISTANCE TO BIOTIC AND ABIOTIC STRESSES

<p>P1-26/1-1-1</p>	<p><u>Breeding sugarcane varieties for tropical region</u></p> <ol style="list-style-type: none"> 1. Hybridisation, seedling and clonal evaluation 2. Pre Zonal Varietal Trial <ol style="list-style-type: none"> (a) Cane yield and quality (b) Screening for diseases: Red rot and Smut (c) Ethanol 3. Botanical characterisation and DNA Finger printing of elite selections and varieties 4. Evaluation of elite clones for identifying promising sugarcane varieties at factory locations.
<p>P2-05/1-1-2 (1)</p>	<p><u>AICRP Trials</u></p> <ol style="list-style-type: none"> a. IVT – Early & Midlate, Exchange & Multiplication b. AVT – Early c. Screening for diseases- Red rot & Smut - d. Physiological parameters e. Jaggery characters f. Fibre and nutrient uptake g. Ethanol production- h. Climate resilient sugarcane varieties
<p>P2-71/1-1-2 (2)</p>	<p>Fluff Supply / National Hybridization Programme</p>

C1-02/1-1-6	Identification, characterisation and verification of new sugarcane varieties for DUS testing
C1-06/1-1-10	<p>Sugarcane seed production: Mega seed project – seed production in agricultural crops and fisheries – sugarcane (Revolving Fund Scheme)</p> <p>a. Breeder seed production b. Production of tissue culture plants</p>
P1-09/1-1-12	Breeding special varieties for high biomass and total sugars for cogeneration and ethanol production
P1-09/1-1-13	Identification of superior sugarcane varieties suitable for different agro-eco climatic regions of Tamil Nadu (CAE trials in collaboration with TNAU)
P1-09/1-1-14	Identifying location specific varieties for Tropical region
P1-09/1-1-15	Development of commercial sugarcane varieties with <i>Saccharum spontaneum</i> and <i>Erianthus arundinaceus</i> cytoplasm