

Research highlights of past research programs

Research highlights of past agronomy section sugarcane research programs

- **Title: To Study the performance of different sugarcane planters as compared to manual planting**
Conclusions: Use of mechanical planter is effective, time saving and economical than manual planting.
- **Title: Development of package of practices for meristem cultured plantlets as a source of seed cane**
Conclusions: Planting of TC plantlets at 90 X 90 cm spacing with 125 % RDF gave higher seed yield of sugarcane.
- **Title: Effect of different planting system on yield and quality of sugarcane**
Conclusions: The paired row planting system of 75 X 150 cm has been recommended for sugarcane.
- **Title: Adoption of maximum sugarcane yield production technology**
Conclusions: By using the entire recommended techniques higher sugarcane yield (238.22 t/ha) has been obtained.
- **Title: Effect of mother shoot removal for one, two eye bud and tissue culture sapling planting on yield and quality of VSI434**
Conclusions: All the characters i.e. purity, CCS, pol, tillering, plant population, cane yield are comparatively higher in treatment of shoot removal at 2 months crop age.
- **Title: Effect of spacing and fertilizer doses on yield and quality of VSI 434 and CoC 671**
Conclusions: Among spacing PR resulted significant results in respect of NMC, brix, pol, CCS and purity. Variety VSI 434 was observed superior in germination, NMC, girth of cane and cane yield than CoC671.
- **Title: Effect of spacing and fertilizer doses on yield and quality of Co95012, CoVSI9805 and Co86032**
Conclusions: Higher germination at 45 DAP was observed in 3 ft. spacing and for the variety Co VSI 9805. Tillering ratio observed comparatively higher for variety Co95012 followed by Co86032 and CoVSI9805 at 60,90 and 120 DAP.

- **Title: Agronomic evaluation of early promising new sugarcane genotypes (VSI 2179, VSI 2003 and VSI1748)**
Conclusions: Quality traits at harvest indicated that brix, pol, purity and CCS% and CCS t/ha were significantly higher for VSI2003, VSI1748 and VSI2179 as compared to Co86032.
- **Title: Agronomic evaluation of midlate promising new sugarcane genotypes (VSI 435 and CoVSI9805)**
Conclusions: The Variety CoVSI9805 recorded significantly higher single cane weight compared to rest of the varieties. Tillering at 90DAP and NMC per ha was recorded maximum in the variety Co86032.
- **Title: Effect of sugar beet, garlic and potato intercrops in sugarcane for increasing net income per unit area in preseason sugarcane**
Conclusions: Growing of potato in between the PR spacing 0.90 X 1.80 m distance with earthing up was most profitable. It was found that garlic and sugar beet crops stood next to potato in net investment and return as an intercrop.