

PERFORMANCE OF CANDIDATE AND COMMERCIAL VARIETIES OF SUGARCANE (Saccharum officinarum (L) Linn.) UNDER TANDO JAM CONDITIONS

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ABSTRACT

Field trials were performed during 1986-87, 1987-88 and 1988 - 89 to assess the performance of candidate varieties (B-48/119, BF-141, CP-55/19, CB-38/22, CP-36/105, CO-3209, HM-640, M-165/38, I-1/55, NCO-330/19, PM-1153/143, PR-68/3041, PR-71/490, S-17, S-77, B-275, S.78. US-461, Z, Mex-53/117 and Z. Mex-56/123) and a commercial variety (BL-4) at Sugarcane Experimental Fields, Agriculture Research Institute, Tando Jam.

Varieties had significantly different trends for plant height, cane girth, internodes/plant, millable canes/stool, and total yield/ha respectively. Candidate varieties NCO-330/20 and CO-473 yielded significantly more cane 146.94, 146.94, 145.02 and 144.78 tons/ha over commercial variety BL-4.

Plant height and millable canes/stool had strong and positive association with cane yield, whereas internodes/plant and cane girth had non-significant positive and negative correlation with cane yield.