

Table 1 Mean squares for germination, tillers, plant height, nodes/plant, internode length, cane diameter and cane yield of 16 sugarcane genotypes at two locations of Khyber Pakhtunkhwa, during 2011-12 and 2012-13

SOV	D.F	Germination	Number of tillers	Plant height	Nodes/plant	Internode length	Cane diameter	Cane yield
Years	1	17591.766**	5177.130 <sup>NS</sup>	9646.088**	140.135**	65.649**	198.453**	7335.537**
Locations	1	1434.72668**	12224.083**	13475.376**	50.666**	67.889**	46.237*	28432.284**
Years x Locations	1	343.550 <sup>NS</sup>	12304.005**	9281.031**	192.060**	181.994**	182.559**	18417.930**
Reps (Years x Locations)	8	656.024	7089.148	820.338	6.417	5.763	17.431	1767.508
Genotypes	15	383.072**	16764.226**	2543.807**	15.094**	12.053**	8.706 <sup>NS</sup>	380.859*
Genotypes x Years	15	351.705**	3089.119*	396.493 <sup>NS</sup>	20.530**	2.787 <sup>NS</sup>	9.319 <sup>NS</sup>	196.457 <sup>NS</sup>
Genotypes x Locations	15	175.234 <sup>NS</sup>	3047.122 <sup>NS</sup>	1160.113 <sup>NS</sup>	14.773**	7.033**	11.595 <sup>NS</sup>	276.726 <sup>NS</sup>
Genotypes x Years x Locations	15	110.27 <sup>NS</sup>	3212.205*	881.078 <sup>NS</sup>	7.501 <sup>NS</sup>	5.569*	9.454 <sup>NS</sup>	365.596*
Error	120	116.103	1755.611	774.197	4.546	2.67	8.017	177.513
C. V%		30.33	24.137	17.739	10.598	10.685	13.040	23.565

Note: \*, \*\* = Significant at 5% and 1% levels of probability; ns = non-significant