

Table 1 Mean and range for various agronomic and root traits in HKR47 x MAS26 F₂ population under net house conditions

Traits	HKR47	MAS26	HKR47 x MAS26 F ₂ population	
			Mean	Range
Plant height (cm)	83.7±0.38	71.2±0.25	76.3±0.93	52.3~100.5
Effective no of tillers/plant	7±0.43	10±0.49	6.86±0.23	1~13
Panicle length (cm)	21.2±0.18	19.2±0.37	23.1±0.18	17.7~27.9
Length/Breadth ratio	2.96±0.25	3.23±0.09	2.85±0.02	2.41~3.31
1000 grain weight (g)	16.8±0.17	19.8±0.27	21.5±0.22	13.6~25.8
Yield per plant (g)	7.42±0.31	8.34±0.41	11.0±0.60	1~26.2
Root length (cm)	35.3±0.45	51.7±0.61	50.0±1.00	18.1~72.4
Fresh root weight (g)	18.4±0.35	22.1±0.36	23.9±1.13	3.21~57.8
Dry root weight (g)	5.47±0.36	7.48±0.11	6.63±0.29	1.17~17.1
Dry shoot weight (g)	11.0±0.70	20.7±0.58	18.3±0.57	6.7~39.0
Root thickness (cm)	3.17±0.04	3.69±0.13	3.61±0.11	1.77~5.5