

Table 9 Principal components analysis (PCA) of growth and yield characters of treated *Amaranthus* genotypes

Characters	Prin. 1	Prin. 2	Prin. 3	Prin. 4	Prin. 5	Prin. 6	Prin. 7	Prin. 8	Prin. 9	Prin. 10	Prin. 11	Prin. 12	Prin. 13	Prin. 14
PH	0.3213	0.2448	-0.0455	-0.2405	-0.1098	-0.4250	0.0614	0.0845	0.1129	-0.0738	-0.0771	0.0112	0.0038	-0.7409
NL	0.2932	-0.1679	0.1027	0.4873	-0.0329	-0.1187	-0.3491	0.6587	-0.0249	0.0652	-0.2049	-0.1205	-0.0661	0.0353
SL	0.3477	0.0373	-0.0373	-0.2819	-0.0548	-0.5079	0.2029	-0.0475	0.1689	0.0177	-0.2001	-0.2275	0.0180	0.6093
SG	0.3498	-0.1925	0.0097	0.0149	0.0944	0.1018	0.2977	-0.1568	-0.7461	-0.0416	-0.3384	0.1098	-0.1403	-0.0563
LL	0.3298	-0.0853	-0.1019	-0.0463	0.5291	0.2546	-0.0387	0.0202	0.3129	-0.6449	-0.0189	0.0994	0.0031	0.0262
LB	0.3096	-0.0586	0.1563	-0.4388	0.3999	0.0822	-0.3139	0.0941	-0.1249	0.4952	0.3781	0.0690	0.0259	0.0195
IL	0.0972	0.5065	-0.1653	0.1177	-0.1111	-0.1298	-0.1463	0.0736	-0.1449	-0.0837	0.1311	0.7236	-0.0685	0.2518
IB	0.1439	0.4851	-0.1457	0.0704	-0.0701	0.1599	-0.0014	0.0952	-0.3491	-0.2285	0.3857	-0.5659	0.1771	0.0599
NI	0.1200	0.3819	-0.3850	0.2273	0.2777	0.2853	0.1929	-0.0622	0.2492	0.4976	-0.3436	-0.0886	-0.0501	-0.0452
NB	0.2511	-0.2399	-0.0521	0.5608	0.1223	-0.3025	0.2288	-0.3381	0.0872	0.1169	0.5052	0.0454	0.0811	-0.0632
Wet yield of inflorescent	0.1295	0.2942	0.5510	0.1919	0.0319	-0.0139	-0.4369	-0.5373	0.0379	-0.0359	-0.2419	-0.1143	-0.0325	-0.0043
Dried yield of inflorescent	0.0481	0.2254	0.6665	0.0415	0.0244	0.1738	0.5838	0.2950	0.1377	0.0311	0.0989	0.1079	0.0054	0.0289
Wet leaf	0.3449	-0.1455	-0.0243	-0.0389	-0.4317	0.3272	-0.0371	-0.0709	0.1162	0.0649	-0.0928	0.1607	0.7111	0.0077
Dried leaf	0.3423	-0.0942	-0.0557	-0.0723	-0.4876	0.3354	-0.0206	-0.0975	0.2034	0.0149	0.1948	-0.0499	-0.6504	0.0163
Eigenvalue	5.8765	3.2407	1.4199	0.9220	0.7089	0.6799	0.4201	0.2363	0.1654	0.1454	0.0934	0.0465	0.0364	0.0086
Proportion	0.4197	0.2315	0.1014	0.0659	0.0506	0.0486	0.0300	0.0169	0.0118	0.0104	0.0067	0.0033	0.0026	0.0006

Note: PH: Plant Height; NL: Number of leaves; SL: Stem Length; SG: Stem Girth; LL: Leaf Length; LB: Leaf Width; NI: Number of Inflorescent; IL: Inflorescent Length; IB: Inflorescent Width; NB: Number of Branches