**Table 1** Principal component analysis of plant substrate index

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| --- | --- | --- | --- |
| Type | Eigenvalue | Variance contributi on rate (%) | Cumulative variane contribution rate (%) |
| First principal component | 9.038 | 45.188 | 45.188 |
| Second principal component | 2.286 | 11.432 | 56.62 |
| Third principal component | 2.151 | 10.753 | 67.372 |
| Fourth principal component | 2.026 | 10.128 | 77.5 |
| Fifth principal component | 1.214 | 6.072 | 83.573 |