Table 1: Stomatal Density/Guard Cell Measurements. Means separated using Tukey's method

| Variety | Stomatal density/mm2 abaxial | Stomatal density/mm2 adaxial | Guard cells length (µm) abaxial | Guard cells width (µm) abaxial | Guard cells length (µm) adaxial | Guard cells width (µm) adaxial | Guard cells area (LxW) abaxial | Guard cells area (LxW) adaxial |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| E. botryoides | 463.26 ef | 0.00 a | 14.21 abc | 9.98 ab | 0.00 a | 0.00 a | 141.47 abc | 0.00 a |
| E. camaldulensis (L) | 338.69 bc | 144.98 c | 14.44 abcd | 10.27 ab | 15.61 d | 10.32 c | 148.27 abc | 161.85 cd |
| E. camaldulensis (NL) | 337.60 bc | 144.93 c | 14.52 abcd | 10.25 ab | 15.54 d | 10.78 c | 148.96 abc | 169.27 cd |
| E. citriodora | 400.65 d | 276.95 e | 14.70 abcd | 12.69 c | 9.43 b | 8.01 b | 186.70 cde | 75.74 b |
| E. microcorys (L) | 384.01 cd | 79.91 b | 16.23 bcde | 11.28 bc | 16.01 de | 10.76 c | 183.02 bcde | 173.05 d |
| E. microcorys (NL) | 387.29 cd | 81.66 b | 16.78 cde | 11.34 bc | 16.05 de | 11.28 c | 190.93 cde | 184.83 d |
| E. ovata | 311.10 b | 199.67 d | 16.56 cde | 11.89 bc | 19.07 f | 13.81 d | 199.74 cde | 266.37 e |
| E. paniculata (L) | 494.57 f | 0.00 a | 21.03 f | 15.64 d | 0.00 a | 0.00 a | 328.79 f | 0.00 a |
| E. paniculata (NL) | 300.60 b | 0.00 a | 21.02 f | 15.85 d | 0.00 a | 0.00 a | 334.28 f | 0.00 a |
| E. pilularis | 301.47 b | 0.00 a | 18.59 ef | 11.72 bc | 0.00 a | 0.00 a | 218.57 de | 0.00 a |
| E. propinqua | 422.54 de | 0.00 a | 12.78 a | 8.34 a | 0.00 a | 0.00 a | 107.40 a | 0.00 a |
| E. punctata | 503.11 f | 0.00 a | 13.31 ab | 9.17 a | 0.00 a | 0.00 a | 122.14 ab | 0.00 a |
| E. sideroxylon (L) | 155.44 a | 162.23 c | 25.60 g | 15.88 d | 23.71 g | 14.53 d | 405.69 g | 344.71 f |
| E. sideroxylon (NL) | 161.79 a | 165.51 c | 26.10 g | 16.41 d | 23.76 g | 15.03 d | 427.62 g | 359.13 f |
| E. tereticornis (L) | 323.80 b | 98.30 b | 17.29 de | 13.06 c | 17.39 e | 13.63 d | 228.57 de | 240.26 e |
| E. tereticornis (NL) | 321.83 b | 99.40 b | 17.36 de | 13.27 c | 17.47 ef | 13.53 d | 234.15 e | 240.88 e |
| E. viminalis | 185.66 a | 148.87 c | 14.12 abc | 11.42 bc | 11.95 c | 10.28 c | 165.91 abcd | 123.88 bc |
|  |  |  |  |  |  |  |  |  |
| F-probability | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| SED | 15.75 | 6.27 | 0.82 | 0.58 | 0.45 | 0.46 | 17.77 | 13.56 |
| CV % | 7.3 | 10.5 | 7.5 | 7.4 | 6.5 | 9.4 | 12.7 | 15.6 |