**Table 2: Summary statistics for leaf functional traits (LFTs) across host tree species**

| **Species** | **Observations** | **Number of seedlings** | ***E-high* seedlings** | ***E-low* seedlings** | **Mean (±)** | **Median (±)** | **LFT distribution\*** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Anthocyanins (ACI)** | | | | | | | |
| *A. membranacea* | 360 | 20 | 10 | 10 | 5.3864 (±1.0862) | 5.5 (±1.0862) |  |
| *C. alliodora* | 360 | 20 | 10 | 10 | 3.45 (±0.3808) | 3.4 (±0.3808) |  |
| *C. cainito* | 396 | 22 | 11 | 11 | 8.1756 (±1.3564) | 8.2 (±1.3564) |  |
| *Dipteryx sp.* | 576 | 32 | 16 | 16 | 6.3351 (±1.1481) | 6.3 (±1.1481) |  |
| *H. concinna* | 360 | 20 | 10 | 10 | 6.735 (±2.4206) | 6.8 (±2.4206) |  |
| *L. panamensis* | 396 | 22 | 11 | 11 | 5.8611 (±1.2961) | 6 (±1.2961) |  |
| *T. cacao* | 360 | 20 | 10 | 10 | 4.2011 (±0.7811) | 4.2 (±0.7811) |  |
| **Leaf Mass per Area (LMA) (mg/mm)** | | | | | | | |
| *A. membranacea* | 360 | 20 | 10 | 10 | 0.0011 (±2e-04) | 0.0011 (±2e-04) |  |
| *C. alliodora* | 360 | 20 | 10 | 10 | 7e-04 (±1e-04) | 7e-04 (±1e-04) |  |
| *C. cainito* | 396 | 22 | 11 | 11 | 0.0015 (±2e-04) | 0.0015 (±2e-04) |  |
| *Dipteryx sp.* | 576 | 32 | 16 | 16 | 0.0011 (±1e-04) | 0.0011 (±1e-04) |  |
| *H. concinna* | 360 | 20 | 10 | 10 | 0.0016 (±4e-04) | 0.0016 (±4e-04) |  |
| *L. panamensis* | 396 | 22 | 11 | 11 | 0.0014 (±2e-04) | 0.0013 (±2e-04) |  |
| *T. cacao* | 360 | 20 | 10 | 10 | 9e-04 (±1e-04) | 0.001 (±1e-04) |  |
| **Leaf Punch Strength (LPS) (N mm-1)** | | | | | | | |
| *A. membranacea* | 360 | 20 | 10 | 10 | 0.2298 (±0.0597) | 0.23 (±0.0597) |  |
| *C. alliodora* | 360 | 20 | 10 | 10 | 0.2207 (±0.0484) | 0.21 (±0.0484) |  |
| *C. cainito* | 396 | 22 | 11 | 11 | 0.5331 (±0.0775) | 0.53 (±0.0775) |  |
| *Dipteryx sp.* | 576 | 32 | 16 | 16 | 0.4323 (±0.0701) | 0.43 (±0.0701) |  |
| *H. concinna* | 360 | 20 | 10 | 10 | 0.649 (±0.1856) | 0.72 (±0.1856) |  |
| *L. panamensis* | 396 | 22 | 11 | 11 | 0.3274 (±0.0418) | 0.33 (±0.0418) |  |
| *T. cacao* | 360 | 20 | 10 | 10 | 0.3799 (±0.0614) | 0.38 (±0.0614) |  |
| **Leaf Thickness (LT) (µm)** | | | | | | | |
| *A. membranacea* | 360 | 20 | 10 | 10 | 243.7283 (±42.3677) | 241.5 (±42.3677) |  |
| *C. alliodora* | 360 | 20 | 10 | 10 | 204.4763 (±34.8002) | 200 (±34.8002) |  |
| *C. cainito* | 396 | 22 | 11 | 11 | 199.6278 (±26.563) | 195 (±26.563) |  |
| *Dipteryx sp.* | 576 | 32 | 16 | 16 | 148.651 (±12.3737) | 147.5 (±12.3737) |  |
| *H. concinna* | 360 | 20 | 10 | 10 | 207.8464 (±36.897) | 205.5 (±36.897) |  |
| *L. panamensis* | 396 | 22 | 11 | 11 | 239.649 (±20.8496) | 240.5 (±20.8496) |  |
| *T. cacao* | 360 | 20 | 10 | 10 | 201.0418 (±39.2114) | 201 (±39.2114) |  |
| *\**LFT = leaf functional traits. Outliers have been removed to better visualize distribution of LFT values. | | | | | | | |