Table S2. Minimum, maximum, mean comparison and drought reduction (Redu %) for the recorded traits.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|   |  | Drought season  |  | Wet season |  |   |
| Traits |  | Min | Max | Mean |  | Min | Max | Mean |  | Redu% |
| PEM |  | 121.43 | 310.71 | 204.09 a |  | 128.57 | 332.14 | 184.66 a |  | -10.52 |
| PH (cm) |  | 40.00 | 95.00 | 65.00 b |  | 75.20 | 143.56 | 97.95 a |  | 33.64 |
| SNA |  | 150.00 | 335.71 | 230.54b |  | 170.00 | 472.50 | 317.90 a |  | 27.48 |
| GNS |  | 9.24 | 29.64 | 19.80 b |  | 8.70 | 40.86 | 28.58 a |  | 30.72 |
| GNA |  | 2077.35 | 8194.28 | 4553.71 b |  | 2022.60 | 15323.97 | 9077.36 a |  | 49.83 |
| DTH (days) |  | 106.00 | 118.00 | 109.53 b |  | 115.00 | 130.00 | 122.51 a |  | 10.59 |
| TKW (g) |  | 27.60 | 50.60 | 35.00 b |  | 44.68 | 68.60 | 53.41 a |  | 34.47 |
| AGB (Mg ha-1) |  | 0.84 | 5.48 | 3.80 b |  | 7.54 | 28.12 | 15.94 a |  | 76.14 |
| PGY (Mg ha-1) |  | 0.83 | 2.53 | 1.79 b |  | 0.84 | 8.00 | 5.28 a |  | 66.10 |
| HI |  | 0.19 | 0.59 | 0.41 a |  | 0.11 | 0.47 | 0.31 b |  | -31.79 |
| FLA (cm2) |  | 9.39 | 24.55 | 14.76 b |  | 14.22 | 38.09 | 20.81 a |  | 29.08 |
| SLW (mg cm-2) |  | 7.02 | 9.98 | 8.29 a |  | 3.77 | 8.57 | 6.96 b |  | -19.5 |
| LRN |  | 1.00 | 5.00 | 2.84 a |  | 1.00 | 5.00 | 2.84a |  | 0.06 |
| RWC (%) |  | 72.58 | 92.14 | 80.83 b |  | 77.45 | 99.79 | 89.67 a |  | 9.86 |
| CT (°C) |  | 23.00 | 31.00 | 26.48b |  | 24.00 | 38.60 | 28.97a |  | 8.58 |

PEM: Plant emergence per area, PH: Plant height, SNA: Spike number per area, GNS: Grain number per spike, GNA: Grain number per area, DTH: Days to heading, TKW: Thousand kernel weight, AGB: Above ground biomass, PGY: Plot grain yield, HI: Harvest index, FLA: Flag leaf area, SLW: Specific leaf weight, LRN: Leaf rolling at noon, RWC: Relative water content, , CT: Canopy temperature. Different letters indicate significant difference between drought and wet year at 0.05 level of significance.