

S1. Summary of the analysis of variance for the biometric variables “height” (H), “relative growth rate” (RGR), “stem diameter” (SD), “number of leaves” (NL), “leaf area” (LA), “root length” (RL), “root volume” (RV), “shoot dry mass” (SDM), “root dry mass” (RDM) and “total dry mass” (TDM) in soybean plants subjected to water stress, two application times and four proportions of biostimulant, Fortaleza – CE, 2019.

| SV | DF | Mean Square | | | | | | | | | |
|----------------|----|---------------------|---------------------|---------------------|---------------------|-----------------------|---------------------|--------------------|---------------------|---------------------|--------------------|
| | | H | RGR | SD | NL | LA | RL | RV | TDM | SDM | RDM |
| Time (T) | 1 | 151.64** | 0.002* | 0.007 ^{ns} | 10.12* | 81643.0* | 34.03 ^{ns} | 12.5 ^{ns} | 0.244 ^{ns} | 0.15 ^{ns} | 4.54** |
| Proportion (P) | 3 | 86.00 ^{ns} | 0.012** | 0.335 ^{ns} | 1.583 ^{ns} | 2326.0 ^{ns} | 48.47 ^{ns} | 2.5 ^{ns} | 0.716 ^{ns} | 6.56* | 0.66 ^{ns} |
| T x P Int. | 3 | 203.06** | 0.000 ^{ns} | 0.197 ^{ns} | 5.210 ^{ns} | 11117.8 ^{ns} | 19.67 ^{ns} | 37.5 ^{ns} | 6.044 ^{ns} | 3.15 ^{ns} | 1.32 ^{ns} |
| Ad x Fact. | 1 | 28.18 ^{ns} | 0.007** | 0.771* | 24.50* | 15666.0* | 19.01 ^{ns} | 1605.0** | 121.90** | 52.14 ^{ns} | 29.63** |
| Waste | 27 | - | - | - | - | - | - | - | - | - | - |
| Total | 35 | - | - | - | - | - | - | - | - | - | - |
| CV (%) | | 2.69 | 46.43 | 46.43 | 20.37 | 0.19 | 4.09 | 6.8 | 19.23 | 25.15 | 47.91 |

*, ** = Significant at 5% and 1% by the F test, respectively, and ns = non-significant.

S2. Summary of the analysis of variance for the variables “relative chlorophyll index” (SPAD), photosynthesis (A), transpiration (E), stomatal conductance (gs) and instantaneous carboxylation efficiency (ICE; A/Ci) in soybean plants subjected to water stress, two application times and four proportions of biostimulant, Fortaleza – CE, 2019.

| SV | DF | Mean Square | | | | |
|----------------|----|----------------------|------------|----------------------|----------|----------------------|
| | | SPAD | A | E | gs | A/Ci |
| Time (T) | 1 | 14.4453* | 71.8805** | 0.5832 ^{ns} | 0.1770** | 0.0002 ^{ns} |
| Proportion (P) | 3 | 2.8011 ^{ns} | 79.7488** | 3.4781** | 0.2603** | 0.0016** |
| T x P Int. | 3 | 9.8144* | 9.8869* | 0.5571 ^{ns} | 0.1195** | 1e-05 ^{ns} |
| Ad x Fact. | 1 | 3 e-05 ^{ns} | 262.5868** | 13.4853** | 2.0740** | 0.0028 ^{ns} |
| Waste | 27 | - | - | - | - | - |
| Total | 35 | - | - | - | - | - |
| CV (%) | | 5.02 | 6.77 | 22.14 | 6.77 | 15.41 |

*, ** = Significant at 5% and 1% by the F test, respectively, and ns = non-significant.

S3. Summary of the analysis of variance for water potential (Ψ_w) and electrolyte leakage (EL) in soybean plants subjected to water stress, two application times and four proportions of biostimulant, Fortaleza – CE, 2019.

| SV | DF | Mean Square | |
|-----------------|----|----------------------|-----------------------|
| | | (Ψ_w) | (EL) |
| Time (T) | 1 | 0.0018 ^{ns} | 20.2216 ^{**} |
| Proportions (P) | 3 | 0.0098 [*] | 9.0984 ^{ns} |
| T x P Int. | 3 | 0.0149 ^{**} | 28.5394 [*] |
| Ad x Fact. | 1 | 0.6272 ^{**} | 4.5205 ^{ns} |
| Waste | 27 | - | - |
| Total | 35 | - | - |
| CV (%) | | 37.09 | 9.95 |

*, ** = Significant at 5% and 1% by the F test, respectively, and ns = non-significant