|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Univariate response | Comparison | Estimate | SE | Df | tvalue |  P value |
| Log(Water volume +1) (mL) | Forest control - Deforestation | -2.90 | 3.29 | 63 | -0.881 | 1.0000 |
|  | Forest control – Forest Drought | 22.70 | 3.29 | 63 | 6.900 | **6.274\*10-8** |
|  | Forest control – D+Dr | 35.25 | 3.29 | 63 | 10.714 | **1.662\*10-14** |
|  | Forest control – D\_Dr | 37.70 | 3.29 | 63 | 11.459 | **9.917\*10-16** |
|  | Forest control – Open Control | -15.00 | 3.29 | 63 | -4.559 | **5.084\*10-4** |
|  | Forest control – Open drought  | 18.15 | 3.29 | 63 | 5.517 | **1.451\*10-5** |
|  | Deforestation – Forest drought | 25.60 | 3.29 | 63 | 7.781 | **1.809\*10-9** |
|  | Deforestation – D+Dr | 38.15 | 3.29 | 63 | 11.596 | **5.951\*10-16** |
|  | Deforestation – D\_Dr  | 40.60 | 3.29 | 63 | 12.341 | **3.840\*10-17** |
|  | Deforestation – Open control | -12.10 | 3.29 | 63 | -3.678 | **1.026\*10-2** |
|  | Deforestation – Open drought | 21.05 | 3.29 | 63 | 6.398 | **4.638\*10-7** |
|  | Forest drought – D+Dr | 12.55 | 3.29 | 63 | 3.815 | **6.576\*10-3** |
|  | Forest drought – D\_Dr  | 15.00 | 3.29 | 63 | 4.559 | **5.084\*10-4** |
|  | Forest drought – Open control | -37.70 | 3.29 | 63 | -11.459 | **9.917\*10-16** |
|  | Forest drought – Open drought | -4.55 | 3.29 | 63 | -1.383 | 1.0000 |
|  | D+Dr – D\_Dr | 2.45 | 3.29 | 63 | 0.745 | 1.0000 |
|  | D+Dr – Open control  | -50.25 | 3.29 | 63 | -15.274 | **1.561\*10-21** |
|  | D+Dr – Open drought | -17.10 | 3.29 | 63 | -5.198 | **4.875\*10-5** |
|  | D\_Dr – Open control | -52.70 | 3.29 | 63 | -16.018 | **1.424\*10-22** |
|  | D\_Dr – Open drought | -19.55 | 3.29 | 63 | -5.942 | **2.794\*10-6** |
|  | Open control – Open drought | 33.15 | 3.29 | 63 | 10.076 | **1.956\*10-13** |
| Log(Light input (%)) | Forest control – Deforestation | -37.50 | 5.75 | 63 | -6.521 | **2.852\*10-7** |
|  | Forest control – Forest Drought | 0.10 | 5.75 | 63 | 0.017 | 1.0000 |
|  | Forest control – D+Dr | -33.25 | 5.75 | 63 | -5.782 | **5.223\*10-6** |
|  | Forest control – D\_Dr | -38.85 | 5.75 | 63 | -6.755 | **1.118\*10-7** |
|  | Forest control – Open Control | -28.20 | 5.75 | 63 | -4.904 | **1.457\*10-4** |
|  | Forest control – Open drought | -36.60 | 5.75 | 63 | -6.364 | **5.309\*10-7** |
|  | Deforestation – Forest drought | 37.60 | 5.75 | 63 | 6.538 | **2.661\*10-7** |
|  | Deforestation – D+Dr | 4.25 | 5.75 | 63 | 0.739 | 1.0000 |
|  | Deforestation – D\_Dr  | -1.35 | 5.75 | 63 | -0.235 | 1.0000 |
|  | Deforestation – Open control | 9.30 | 5.75 | 63 | 1.617 | 1.0000 |
|  | Deforestation – Open drought | 0.90 | 5.75 | 63 | 0.156 | 1.0000 |
|  | Forest drought – D+Dr | -33.35 | 5.75 | 63 | -5.799 | **4.882\*10-6** |
|  | Forest drought – D\_Dr  | -38.95 | 5.75 | 63 | -6.773 | **1.043\*10-7** |
|  | Forest drought – Open control | -28.30 | 5.75 | 63 | -4.921 | **1.367\*10-4** |
|  | Forest drought – Open drought | -36.70 | 5.75 | 63 | -6.382 | **4.955\*10-7** |
|  | D+Dr – D\_Dr | -5.60 | 5.75 | 63 | -0.974 | 1.0000 |
|  | D+Dr – Open control  | 5.05 | 5.75 | 63 | 0.878 | 1.0000 |
|  | D+Dr – Open drought | -3.35 | 5.75 | 63 | -0.583 | 1.0000 |
|  | D\_Dr – Open control | 10.65 | 5.75 | 63 | 1.852 | 1.0000 |
|  | D\_Dr – Open drought | 2.25 | 5.75 | 63 | 0.391 | 1.0000 |
|  | Open control – Open drought | -8.40 | 5.75 | 63 | -1.461 | 1.0000 |