Main Text:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Group Comparison** | **Test Type** | **F- value** | **df (between- groups)** | **df (within- groups)** | **p-value** | **Significance** | **Significant Tukey Comparisons** |
| Drought Plants’ Transpiration Rate on Day 0 of Drought by Species | ANOVA | 0.878 | 5 | 39 | 0.505 | Not significant |  |
| Transpiration Rate of all Plants at Harvest (Day 6 of drought) | ANOVA | 0.591 | 5 | 77 | 0.707 | Not Significant |  |
| Difference in Transpiration Rates from Day 0- Day 6 of Drought | ANOVA | 1.244 | 5 | 39 | 0.307 | Not Significant |  |
| Percent Colonization by Species | ANOVA | 26.4 | 5 | 83 | 7.25e-16 | Significant | R+S – NM,  RP – NM,  TC – NM,  S+T – R+S,  SP – R+S,  TC – R+S,  S+T – RP,  SP – RP,  TC – RP |
| Total Dry Biomass by Species | ANOVA | 1.769 | 5 | 83 | 0.128 | Not significant |  |
| Total Dry Biomass by Treatment | ANOVA | 0.213 | 1 | 87 | 0.645 | Not significant |  |
| Total Dry Biomass by Species:Treatment | ANOVA | 0.639 | 5 | 77 | 0.671 | Not significant |  |

Supplemental:

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| --- | --- | --- | --- | --- | --- | --- |
| **Group Comparison** | **Test Type** | **F- value** | **df (between- groups)** | **df (within- groups)** | **p-value** | **Significance** |
| Root to Shoot Ratio by Species | ANOVA | 1.309 | 5 | 83 | 0.268 | Not significant |
| Root to Shoot Ratio by Treatment | ANOVA | 0.435 | 1 | 87 | 0.511 | Not significant |
| Root to Shoot Ratio by Species:Treatment | ANOVA | 1.383 | 5 | 77 | 0.240 | Not significant |
| Root Dry Weight by Species | ANOVA | 1.166 | 5 | 83 | 0.333 | Not significant |
| Root Dry Weight by Treatment | ANOVA | 0.061 | 1 | 87 | 0.806 | Not significant |
| Root Dry Weight by Species:Treatment | ANOVA | 0.800 | 5 | 77 | 0.553 | Not significant |
| Root Fresh Weight by Species | ANOVA | 1.495 | 5 | 81 | 0.201 | Not significant |
| Root Fresh Weight by Treatment | ANOVA | 0.311 | 1 | 85 | 0.578 | Not significant |
| Root Fresh Weight by Species:Treatment | ANOVA | 0.554 | 5 | 75 | 0.735 | Not significant |
| Shoot Dry Weight by Species | ANOVA | 2.499 | 5 | 83 | 0.037 | Significant  (RP-R+S,  SP-R+S) |
| Shoot Dry Weight by Treatment | ANOVA | 0.296 | 1 | 87 | 0.588 | Not significant |
| Shoot Dry Weight by Species:Treatment | ANOVA | 0.732 | 5 | 77 | 0.6017 | Not significant |
| Shoot Fresh Weight by Species | ANOVA | 2.615 | 5 | 83 | 0.0302 | Significant |
| Shoot Fresh Weight by Treatment | ANOVA | 0.206 | 1 | 87 | 0.651 | Not significant |
| Shoot Fresh Weight by Species:Treatment | ANOVA | 0.628 | 5 | 77 | 0.6788 | Not significant |
| Stem Diameter by Species | ANOVA | 0.639 | 5 | 83 | 0.671 | Not significant |
| Stem Diameter by Treatment | ANOVA | 2.184 | 1 | 87 | 2.184 | Not significant |
| Stem Diameter by Species:Treatment | ANOVA | 0.343 | 5 | 77 | 0.885 | Not significant |
| Root Moisture Content by Species | ANOVA | 0.951 | 5 | 83 | 0.453 | Not significant |
| Root Moisture Content by Treatment | ANOVA | 0.018 | 1 | 87 | 0.894 | Not significant |
| Root Moisture Content by Species:Treatment | ANOVA | 0.494 | 5 | 77 | 0.780 | Not significant |
| Shoot Moisture Content by Species | ANOVA | 1.624 | 5 | 83 | 0.163 | Not significant |
| Shoot Moisture Content by Treatment | ANOVA | 7.289 | 1 | 87 | 0.0083 | Significant |
| Shoot Moisture Content by Species:Treatment | ANOVA | 0.208 | 5 | 77 | 0.9584 | Not significant |
| Final Weight by Species | ANOVA | 1.078 | 5 | 83 | 0.379 | Not significant |
| Final Weight by Treatment | ANOVA | 24.68 | 1 | 87 | 3.36e-06 | Significant |
| Final Weight by Species:Treatment | ANOVA | 0.788 | 5 | 77 | 0.562 | Not significant |
| Leaf Surface Area by Species | ANOVA | 0.838 | 5 | 80 | 0.527 | Not significant |
| Leaf Surface Area by Treatment | ANOVA | 0.519 | 1 | 84 | 0.473 | Not significant |
| Leaf Surface Area by Species:Treatment | ANOVA | 0.732 | 5 | 74 | 0.602 | Not significant |