Main Text:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Group Comparison** | **Test Type** | **F- value** | **df (between- groups)** | **df (within- groups)** | **p-value** | **Significance** | **Significant Tukey Comparisons** |
| ***Percent Colonization*** | | | | | | | |
| 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 |
| Percent Colonization by Species Type | ANOVA | 8.313 | 1 | 66 | 0.00531 | Significant |  |
| ***Total Dry Biomass*** | | | | | | | |
| Total Dry Biomass by Species | ANOVA | 1.769 | 5 | 83 | 0.128 | Not significant |  |
| Total Dry Biomass by Species Type | ANOVA | 5.019 | 1 | 66 | 0.0284 | 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 |  |
| ***Difference in Transpiration Rates*** | | | | | | | |
| Difference in Transpiration Rates from Day 0 to Day 6 of Drought by Species | ANOVA | 0.465 | 5 | 82 | 0.802 | Not significant |  |
| Difference in Transpiration Rates from Day 0 to Day 6 of Drought by Species Type | ANOVA | 0.847 | 1 | 65 | 0.361 | Not significant |  |
| Difference in Transpiration Rates from Day 0 to Day 6 of Drought by Treatment | ANOVA | 21.83 | 1 | 86 | 1.09e-05 | Significant |  |
| Difference in Transpiration Rates from Day 0 to Day 6 of Drought by Species and Treatment | ANOVA | 1.473 | 5 | 76 | 0.209 | Not significant |  |
| ***Day 0 Transpiration Rates*** | | | | | | | |
| Day 0 of Drought Transpiration Rates by Species | ANOVA | 0.443 | 5 | 83 | 0.817 | Not significant |  |
| Day 0 of Drought Transpiration Rates by Species Type | ANOVA | 0.509 | 4 | 63 | 0.729 | Not significant |  |
| Day 0 of Drought Transpiration Rates by Treatment | ANOVA | 4.251 | 1 | 87 | 0.0422 | Significant |  |
| Day 0 of Drought Transpiration Rates by Species and Treatment | ANOVA | 1.174 | 5 | 77 | 0.329 | Not significant |  |
| ***Day 6 Transpiration Rates*** | | | | | | | |
| Day 6 of Drought Transpiration Rates by Species | ANOVA | 0.38 | 5 | 82 | 0.861 | Not significant |  |
| Day 6 of Drought Transpiration Rates by Species Type | ANOVA | 0.468 | 4 | 62 | 0.759 | Not significant |  |
| Day 6 of Drought Transpiration Rates by Treatment | ANOVA | 50.02 | 1 | 86 | 3.82e-10 | Significant |  |
| Day 6 of Drought Transpiration Rates by Species and Treatment | ANOVA | 1.045 | 5 | 76 | 0.398 | Not significant |  |

Supplemental:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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 |