|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Table Sx**. Linear models testing the influence of treatment (burned vs. unburned) plant species (willow, sage) and plant material (leaf, stem) on donor plant biomass prior to addition to aquatic mesocosms. Factor interactions were excluded*,* except for their three-way interaction, which allowed for *a priori* contrasts of burning effects within plant tissue types in a single species. Anova tables were fit by *anova*() using type I sum of squares. | | | | | | |
| *Metric* | *Effect* | *df* | *SS* | *MS* | *F* | *p-value* |
| Nitrogen (%N) | Treatment | 1 | 0.081 | 0.081 | 10.025 | **0.006** |
|  | Type | 1 | 3.203 | 3.203 | 397.620 | **<0.001** |
|  | Plant | 1 | 0.218 | 0.218 | 27.112 | **0.001** |
|  | Treatment:Type:Plant | 4 | 0.351 | 0.088 | 10.876 | **<0.001** |
|  | Residual | 15 | 0.121 | 0.008 |  |  |
|  |  |  |  |  |  |  |
| Phosphorous (%P) | Treatment | 1 | 0.012 | 0.012 | 31.352 | **<0.001** |
|  | Type | 1 | 0.022 | 0.022 | 59.572 | **<0.001** |
|  | Plant | 1 | 0.068 | 0.068 | 181.488 | **<0.001** |
|  | Treatment:Type:Plant | 4 | 0.002 | 0.001 | 1.365 | 0.293 |
|  | Residual | 15 | 0.006 | 0.0003 |  |  |
|  |  |  |  |  |  |  |
| Potassium (%K) | Treatment | 1 | 0.461 | 0.461 | 21.079 | **<0.001** |
|  | Type | 1 | 0.416 | 0.416 | 19.012 | **<0.001** |
|  | Plant | 1 | 3.856 | 3.856 | 176.257 | **<0.001** |
|  | Treatment:Type:Plant | 4 | 0.170 | 0.043 | 1.942 | 0.156 |
|  | Residual | 15 | 0.328 | 0.022 |  |  |
|  |  |  |  |  |  |  |
| Sulfur (%S) | Treatment | 1 | 0.007 | 0.007 | 15.379 | **0.001** |
|  | Type | 1 | 0.272 | 0.272 | 575.152 | **<0.001** |
|  | Plant | 1 | 0.180 | 0.180 | 380.265 | **<0.001** |
|  | Treatment:Type:Plant | 4 | 0.023 | 0.006 | 11.949 | **<0.001** |
|  | Residual | 15 | 0.007 | 0.0005 |  |  |
|  |  |  |  |  |  |  |
| Zinc (Zn ppm) | Treatment | 1 | 16,592 | 16,592 | 16.638 | **<0.001** |
|  | Type | 1 | 19,629 | 19,629 | 19.684 | **<0.001** |
|  | Plant | 1 | 16,779 | 16,779 | 16.926 | **<0.001** |
|  | Treatment:Type:Plant | 4 | 16,746 | 4187 | 4.198 | **0.018** |
|  | Residual | 15 | 14,958 | 997 |  |  |
| *SS* = sum of squares; *df* = degrees of freedom; *MS* = mean sum of squares. Significant effects (p<0.05) are in bold. | | | | | | |