**Table SX** Meta-analytic results summarizing the effects of N, P, and N+P on traits related to leaf chemistry

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Trait** | **Nutrient addition** | **k** | **Coefficient (±SE)** | **Z-value** | ***p*-value** | **95% CI range** |
| *M*area | N | 113 | **-0.037±0.016** | **-2.318** | **0.020** | **[-0.068, -0.006]** |
| P | -0.015±0.015 | -1.019 | 0.308 | [-0.044, 0.014] |
| N+P | **-0.052±0.018** | **-2.880** | **0.004** | **[-0.088, -0.0167]** |
| *N*mass | N | 139 | **0.124±0.021** | **5.937** | **<0.001** | **[0.083, 0.165]** |
| P | -0.002±0.012 | -0.127 | 0.899 | [-0.025, 0.022] |
| N+P | **0.118±0.021** | **5.462** | **<0.001** | **[0.075, 0.160]** |
| *N*area | N | 84 | **0.125±0.042** | **2.987** | **0.003** | **[0.043, 0.208]** |
| P | 0.026±0.042 | 0.617 | 0.537 | [-0.056, 0.1075] |
| N+P | **0.150±0.036** | **4.138** | **<0.001** | **[0.079, 0.221]** |
| *P*mass | N | 133 | **-0.075±0.032** | **-2.365** | **0.018** | **[-0.136, -0.013]** |
| P | **0.449±0.066** | **6.808** | **<0.001** | **[0.32, 0.578]** |
| N+P | **0.366±0.057** | **6.387** | **<0.001** | **[0.253, 0.478]** |
| *P*area | N | 79 | -0.054±0.075 | -0.720 | 0.472 | [-0.201, 0.093] |
| P | **0.530±0.113** | **4.693** | **<0.001** | **[0.3085, 0.751]** |
| N+P | **0.383±0.110** | **3.489** | **<0.001** | **[0.168, 0.598]** |
| Leaf N:P | N | 115 | **0.137±0.048** | **2.881** | **0.004** | **[0.044, 0.230]** |
| P | **-0.337±0.064** | **-5.246** | **<0.001** | **[-0.463, -0.211]** |
| N+P | **-2.010±0.047** | **-4.242** | **<0.001** | **[-0.293, -0.108]** |

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