|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Order** | **Family** | **n** | **Min (mm)** | **Max (mm)** | **B0** | **B1** | **SF** | **Level** | **Model** | **Location** |
| Acari\* | *sp.* | 6 (605) | 0.29 | 1.64 | -3.627 | 2.012 | 1.028 | avg | ln(W/SF) = B0 + B1 \* ln(L) | ZAC |
| Acari\* | *sp.* | 9 | 2.08 | 3.24 | -3.438 | 3.249 | 1.008 | ind | ln(W/SF) = B0 + B1 \* ln(L) | ZAC |
| Araneae | *Dictynidae* | 8 | 2.06 | 2.50 | -5.903 | 5.646 | 1.052 | ind | ln(W/SF) = B0 + B1 \* ln(L) | ZAC |
| Araneae | *Linyphiidae* | 28 | 2.30 | 3.70 | -2.422 [-2.968, -1.608] | 1.928 [1.202, 2.431] | 1.013 [1.007, 1.017] | ind | ln(W/SF) = B0 + B1 \* ln(L) | KNP |
| Araneae | *Linyphiidae* | 25 | 0.69 | 2.62 | -3.556 [-4.022, -2.867] | 2.938 [2.114, 3.464] | 1.035 [1.015, 1.053] | ind | ln(W/SF) = B0 + B1 \* ln(L) | ZAC |
| Araneae | *Lycosidae* | 129 | 1.74 | 8.68 | -3.718 [-4.087, -3.355] | 2.931 [2.742, 3.120] | 1.013 [1.009, 1.017] | ind | ln(W/SF) = B0 + B1 \* ln(L) | ZAC |
| Araneae | *Thomisidae* | 12 | 2.55 | 5.55 | -3.268 | 2.963 | 1.007 | ind | ln(W/SF) = B0 + B1 \* ln(L) | ZAC |
| Collembola\* | *sp.* | 9 (209) | 0.65 | 2.56 | -0.015 | 0.026 | NA | avg | W = B0 + B1 \* L | KNP |
| Collembola\* | *sp.* | 8 (1002) | 0.20 | 1.71 | -5.129 | 1.196 | 1.008 | avg | ln(W/SF) = B0 + B1 \* ln(L) | ZAC |
| Coleoptera | *Carabidae* | 21 | 6.30 | 8.30 | 5.371 [4.949, 5.802] | NA | NA | ind | W = B0 | KNP |
| Coleoptera | *Chrysomelidae* | 34 | 4.90 | 6.60 | -3.672 [-4.622, -2.616] | 3.384 [2.765, 3.939] | 1.011 [1.006, 1.016] | ind | ln(W/SF) = B0 + B1 \* ln(L) | KNP |
| Coleoptera | *Staphylinidae* | 56 | 2.90 | 7.50 | -4.403 [-4.942, -3.851] | 2.498 [2.187, 2.813] | 1.051 [1.035, 1.064] | ind | ln(W/SF) = B0 + B1 \* ln(L) | KNP |
| Diptera | *Anthomyiidae* | 30 | 2.74 | 7.41 | -2.648 [-3.147, -2.105] | 0.510 [0.405, 0.597] | 1.039 [1.017, 1.062] | ind | ln(W/SF) = B0 + B1 \* L | ZAC |
| Diptera | *Bolitophilidae* | 16 | 3.30 | 4.80 | -4.061 | 1.559 | 1.05 | ind | ln(W/SF) = B0 + B1 \* ln(L) | KNP |
| Diptera | *Ceratopogonidae* | 37 (337) | 1.42 | 2.78 | -3.476 [-3.822, -3.207] | 0.765 [0.396, 1.213] | 1.019 [1.010, 1.028] | avg | ln(W/SF) = B0 + B1 \* ln(L) | ZAC |
| Diptera | *Chironomidae* | 83 | 1.16 | 6.10 | -4.738 [-4.958, -4.556] | 2.414 [2.171, 2.744] | 1.150 [1.103, 1.192] | ind | ln(W/SF) = B0 + B1 \* ln(L) | KNP |
| Diptera | *Chironomidae* | 67 (328) | 1.31 | 2.93 | -0.028 [-0.037, -0.018] | 0.031 [0.027, 0.036] | NA | avg | W = B0 + B1 \* L | ZAC |
| Diptera | *Chironomidae* | 45 | 2.70 | 7.64 | -6.286 [-7.578, -5.515] | 3.127 [2.498, 4.199] | 1.058 [1.017, 1.092] | ind | ln(W/SF) = B0 + B1 \* ln(L) | ZAC |
| Diptera | *Culicidae* | 78 | 3.97 | 6.94 | -3.093 [-4.184, -2.034] | 1.313 [0.693, 1.958] | 1.098 [1.068, 1.128] | ind | ln(W/SF) = B0 + B1 \* ln(L) | ZAC |
| Diptera | *Empididae* | 30 | 5.90 | 7.80 | -2.151 [-3.663, -0.465] | 1.467 [0.574, 2.264] | 1.011 [1.006, 1.016] | ind | ln(W/SF) = B0 + B1 \* ln(L) | KNP |
| Diptera | *Empididae* | 22 | 3.57 | 8.50 | -4.295 [-4.995, -0.375] | 2.350 [0.361, 2.741] | 1.025 [1.010, 1.038] | ind | ln(W/SF) = B0 + B1 \* ln(L) | ZAC |
| Diptera | *Muscidae* | 44 | 4.00 | 7.80 | -4.685 [-5.406, -4.127] | 2.949 [2.620, 3.373] | 1.013 [1.008, 1.018] | ind | ln(W/SF) = B0 + B1 \* ln(L) | KNP |
| Diptera | *Muscidae* | 412 | 3.84 | 8.80 | -4.679 [-4.858, -4.498] | 2.835 [2.733, 2.937] | 1.025 [1.022, 1.029] | ind | ln(W/SF) = B0 + B1 \* ln(L) | ZAC |
| Diptera | *Mycetophilidae* | 32 | 3.40 | 5.40 | -3.597 [-5.031, -0.859] | 1.923 [0.168, 2.859] | 1.031 [1.012, 1.046] | ind | ln(W/SF) = B0 + B1 \* ln(L) | KNP |
| Diptera | *Mycetophilidae* | 21 | 3.72 | 5.45 | -5.411 [-6.647, -4.085] | 2.701 [1.847, 3.516] | 1.022 [1.009, 1.034] | ind | ln(W/SF) = B0 + B1 \* ln(L) | ZAC |
| Diptera | *Phoridae* | 14 | 1.71 | 3.28 | -0.116 | 0.091 | NA | ind | W = B0 + B1 \* L | ZAC |
| Diptera | *Scathophagidae* | 35 | 5.45 | 8.93 | -3.717 [-4.641, -2.878] | 2.370 [1.948, 2.839] | 1.022 [1.012, 1.031] | ind | ln(W/SF) = B0 + B1 \* ln(L) | ZAC |
| Diptera | *Sciaridae* | 110 | 1.56 | 3.50 | -3.854 [-4.232, -3.452] | 0.525 [0.345, 0.685] | 1.047 [1.033, 1.063] | ind | ln(W/SF) = B0 + B1 \* L | KNP |
| Diptera | *Sciaridae* | 48 (273) | 1.62 | 3.75 | -5.164 [-5.570, -4.791] | 2.384 [1.996, 2.799] | 1.030 [1.016, 1.045] | avg | ln(W/SF) = B0 + B1 \* ln(L) | ZAC |
| Diptera | *Syrphidae* | 9 | 6.58 | 12.62 | -5.314 | 3.087 | 1.012 | ind | ln(W/SF) = B0 + B1 \* ln(L) | ZAC |
| Diptera | *Tachinidae* | 11 (28) | 10.56 | 12.48 | -3.952 | 2.617 | 1.005 | avg | ln(W/SF) = B0 + B1 \* ln(L) | ZAC |
| Diptera | *Tipulidae* | 52 | 9.70 | 15.8 | -3.033 [-4.844, -1.373] | 1.945 [1.266, 2.677] | 1.024 [1.012, 1.036] | ind | ln(W/SF) = B0 + B1 \* ln(L) | KNP |
| Diptera | *Trichoceridae* | 31 | 3.10 | 5.90 | -6.197 [-7.083, -5.208] | 3.234 [2.490, 3.907] | 1.035 [1.019, 1.047] | ind | ln(W/SF) = B0 + B1 \* ln(L) | KNP |
| Hymenoptera | *Ichneumonidae* | 22 | 2.40 | 6.7 | -5.739 [-6.510, -5.132] | 3.226 [2.767, 3.798] | 1.063 [1.024, 1.101] | ind | ln(W/SF) = B0 + B1 \* ln(L) | KNP |
| Hymenoptera | *Ichneumonidae* | 50 | 1.86 | 12.34 | -5.559 [-6.170, -4.862] | 2.928 [2.536, 3.273] | 1.254 [1.052, 1.497] | ind | ln(W/SF) = B0 + B1 \* ln(L) | ZAC |
| Hymenoptera | *Tenthredinidae* | 12 | 4.30 | 8.1 | -5.434 | 3.261 | 1.061 | ind | ln(W/SF) = B0 + B1 \* ln(L) | KNP |
| Lepidoptera | *Nymphalidae* | 61 | 12.34 | 15.09 | 3.408 [0.692, 6.069] | -0.330 [-1.342, 0.702] | 1.023 [1.012, 1.034] | ind | ln(W/SF) = B0 + B1 \* ln(L) | ZAC |