## Leaf traits
| Latin\_name | Common\_name | Tree\_tag | Individual\_code | Leaf\_fwt | Leaf\_dwt | Leaf\_d13C | Leaf\_C | Leaf\_d15N | Leaf\_N | Leaf\_thickness | Leaf\_area | SLA | LDMC |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tilia americana | American Basswood | 1070 | 112 | 1.396 | 0.474 | -30.85 | 42.686 | -1.64 | 2.681 | 0.123000 | 56.383333 | 118.952180 | 0.339542 |
| Tilia americana | American Basswood | 1081 | 148 | 1.409 | 0.449 | -30.37 | 42.529 | -3.09 | 2.964 | 0.085000 | 59.500000 | 132.516704 | 0.318666 |
| Prunus serotina | Black Cherry | 1136 | 32 | 1.012 | 0.387 | -28.93 | 46.991 | -4.25 | 2.171 | 0.138333 | 31.176667 | 80.559862 | 0.382411 |
| Quercus alba | White Oak | 120 | 1 | 2.182 | 0.684 | -28.46 | 44.988 | -5.02 | 2.942 | 0.150333 | 55.213333 | 80.721248 | 0.313474 |
| Quercus alba | White Oak | 1218 | 7 | 2.282 | 0.787 | -29.35 | 44.861 | -5.18 | 2.797 | 0.142000 | 65.030000 | 82.630241 | 0.344873 |
| Quercus alba | White Oak | 1287 | 52 | 2.318 | 0.858 | -29.47 | 45.878 | -4.89 | 2.334 | 0.128333 | 74.240000 | 86.526807 | 0.370147 |
| Ulmus americana | American Elm | 1451 | 53 | 1.687 | 0.555 | -29.82 | 43.310 | -5.03 | 1.830 | 0.126333 | 48.010000 | 86.504504 | 0.328986 |
| Ulmus americana | American Elm | 1456 | 44 | 2.501 | 0.891 | -29.60 | 43.015 | -4.43 | 2.177 | 0.121667 | 61.160000 | 68.641975 | 0.356257 |
| Sassafras albidum | Sassafras | 1480 | 73 | 2.242 | 0.584 | -27.26 | 47.453 | -4.92 | 2.772 | 0.124000 | 55.580000 | 95.171233 | 0.260482 |
| Quercus rubra | Red Oak | 1509 | 98 | 2.840 | 1.150 | -29.69 | 46.933 | -4.49 | 2.271 | 0.130333 | 79.673333 | 69.281159 | 0.404930 |
| Quercus alba | White Oak | 1539 | 8 | 2.438 | 0.905 | -29.18 | 45.559 | -5.19 | 2.534 | 0.143333 | 66.710000 | 73.712707 | 0.371206 |
| Quercus alba | White Oak | 1582 | 9 | 1.417 | 0.482 | -30.00 | 45.576 | -4.82 | 3.260 | 0.126667 | 45.903333 | 95.235131 | 0.340155 |
| Quercus velutina | Black Oak | 168 | 38 | 3.372 | 1.245 | -28.53 | 47.553 | -4.09 | 2.325 | 0.162000 | 66.643333 | 53.528782 | 0.369217 |
| Quercus velutina | Black Oak | 1728 | 29 | 2.413 | 1.017 | -27.55 | 46.957 | -4.37 | 2.140 | 0.166000 | 54.036667 | 53.133399 | 0.421467 |
| Quercus rubra | Red Oak | 1814 | 93 | 2.792 | 1.050 | -31.72 | 45.760 | -1.50 | 1.963 | 0.113667 | 92.283333 | 87.888889 | 0.376074 |
| Sassafras albidum | Sassafras | 1914 | 39 | 1.554 | 0.403 | -28.43 | 47.461 | -5.92 | 3.574 | 0.137667 | 38.786667 | 96.244830 | 0.259331 |
| Sassafras albidum | Sassafras | 1991 | 40 | 1.699 | 0.472 | -28.58 | 47.127 | -5.14 | 3.269 | 0.129333 | 44.753333 | 94.816384 | 0.277810 |
| Prunus serotina | Black Cherry | 202 | 105 | 0.820 | 0.314 | -29.26 | 44.140 | -5.21 | 1.983 | 0.155333 | 22.870000 | 72.834395 | 0.382927 |
| Quercus alba | White Oak | 2097 | 10 | 1.729 | 0.552 | -30.33 | 44.701 | -4.54 | 2.463 | 0.154000 | 44.833333 | 81.219807 | 0.319260 |
| Ulmus americana | American Elm | 2326 | 101 | 1.735 | 0.682 | -30.51 | 41.610 | -5.48 | 1.679 | 0.184000 | 52.446667 | 76.901271 | 0.393084 |
| Sassafras albidum | Sassafras | 2333 | 102 | 1.550 | 0.413 | -29.14 | 45.812 | -5.88 | 3.216 | 0.109000 | 56.406667 | 136.577885 | 0.266452 |
| Ulmus americana | American Elm | 2548 | 110 | 0.940 | 0.379 | -28.76 | 42.807 | -5.56 | 1.993 | 0.193667 | 29.300000 | 77.308707 | 0.403191 |
| Quercus rubra | Red Oak | 2655 | 42 | 3.766 | 1.318 | -29.37 | 47.742 | -2.96 | 2.568 | 0.119333 | 100.366667 | 76.150733 | 0.349973 |
| Ulmus americana | American Elm | 2793 | 49 | 2.119 | 0.560 | -28.61 | 42.113 | -4.95 | 2.665 | 0.121667 | 66.133333 | 118.095238 | 0.264276 |
| Quercus velutina | Black Oak | 2818 | 31 | 2.842 | 1.092 | -28.27 | 47.128 | -3.71 | 2.426 | 0.174667 | 55.206667 | 50.555556 | 0.384236 |
| Sassafras albidum | Sassafras | 2832 | 116 | 1.453 | 0.386 | -29.73 | 47.430 | -3.92 | 3.122 | 0.131333 | 40.840000 | 105.803109 | 0.265657 |
| Prunus serotina | Black Cherry | 2924 | 13 | 0.697 | 0.314 | -29.93 | 44.651 | -4.02 | 1.757 | 0.143667 | 23.650000 | 75.318471 | 0.450502 |
| Acer rubrum | Red Maple | 2936 | 14 | 1.970 | 0.809 | -28.91 | 47.407 | -4.97 | 1.824 | 0.113667 | 64.003333 | 79.114133 | 0.410660 |
| Quercus alba | White Oak | 307 | 47 | 1.440 | 0.501 | -29.98 | 45.520 | -3.65 | 2.537 | 0.119000 | 45.276667 | 90.372588 | 0.347917 |
| Ulmus americana | American Elm | 311 | 48 | 2.411 | 0.797 | -29.68 | 42.624 | -5.05 | 2.141 | 0.120000 | 71.126667 | 89.242995 | 0.330568 |
| Acer rubrum | Red Maple | 3232 | 15 | 2.031 | 0.825 | -27.73 | 47.714 | -5.99 | 2.383 | 0.110333 | 72.476667 | 87.850505 | 0.406204 |
| Acer rubrum | Red Maple | 3922 | 17 | 2.471 | 0.979 | -30.00 | 48.017 | -3.67 | 2.028 | 0.120667 | 74.200000 | 75.791624 | 0.396196 |
| Acer rubrum | Red Maple | 3924 | 18 | 2.374 | 0.962 | -29.31 | 48.206 | -4.27 | 2.038 | 0.103667 | 85.683333 | 89.067914 | 0.405223 |
| Fraxinus americana | White Ash | 3946 | 125 | 1.381 | 0.504 | -28.46 | 45.530 | -5.12 | 2.720 | 0.089000 | 54.230000 | 107.599206 | 0.364953 |
| Quercus rubra | Red Oak | 4045 | 76 | 1.865 | 0.686 | -30.35 | 46.371 | -3.03 | 2.363 | 0.097000 | 66.933333 | 97.570457 | 0.367828 |
| Ostrya virginiana | Hophornbeam | 4254 | 83 | 0.795 | 0.387 | -30.07 | 44.021 | -4.93 | 2.250 | 0.082500 | 40.675000 | 105.103359 | 0.486792 |
| Prunus serotina | Black Cherry | 4260 | 81 | 0.747 | 0.299 | -29.71 | 44.631 | -3.74 | 1.922 | 0.110000 | 26.720000 | 89.364548 | 0.400268 |
| Ostrya virginiana | Hophornbeam | 4293 | 87 | 0.632 | 0.293 | -30.34 | 42.827 | -5.24 | 1.959 | 0.091000 | 40.423333 | 137.963595 | 0.463608 |
| Ostrya virginiana | Hophornbeam | 4339 | 77 | 0.849 | 0.399 | -30.21 | 44.064 | -4.15 | 2.098 | 0.092333 | 43.040000 | 107.869674 | 0.469965 |
| Quercus velutina | Black Oak | 4347 | 79 | 3.556 | 1.379 | -28.41 | 46.634 | -4.48 | 2.363 | 0.157333 | 74.906667 | 54.319555 | 0.387795 |
| Ostrya virginiana | Hophornbeam | 4427 | 84 | 0.860 | 0.401 | -30.50 | 43.509 | -5.09 | 2.124 | 0.073667 | 52.226667 | 130.241064 | 0.466279 |
| Ulmus americana | American Elm | 446 | 28 | 2.094 | 0.744 | -30.17 | 44.020 | -2.89 | 2.044 | 0.129000 | 60.066667 | 80.734767 | 0.355301 |
| Quercus velutina | Black Oak | 4602 | 43 | 2.900 | 0.978 | -28.56 | 46.991 | -4.47 | 2.237 | 0.151333 | 59.580000 | 60.920245 | 0.337241 |
| Acer rubrum | Red Maple | 470 | 51 | 1.641 | 0.704 | -29.47 | 48.299 | -4.85 | 2.083 | 0.100667 | 56.240000 | 79.886364 | 0.429007 |
| Quercus rubra | Red Oak | 4837 | 35 | 1.441 | 0.509 | -28.94 | 47.585 | -4.10 | 2.309 | 0.114000 | 47.456667 | 93.235102 | 0.353227 |
| Tilia americana | American Basswood | 498 | 118 | 1.438 | 0.520 | -30.10 | 43.379 | -1.85 | 2.773 | 0.112333 | 52.403333 | 100.775641 | 0.361613 |
| Ulmus americana | American Elm | 4992 | 20 | 1.382 | 0.472 | -29.33 | 43.453 | -5.61 | 2.130 | 0.223000 | 37.056667 | 78.509887 | 0.341534 |
| Ostrya virginiana | Hophornbeam | 5109 | 124 | 0.777 | 0.378 | -30.00 | 43.490 | -4.47 | 1.896 | 0.088333 | 44.520000 | 117.777778 | 0.486486 |
| Ostrya virginiana | Hophornbeam | 5115 | 129 | 0.786 | 0.386 | -30.44 | 44.205 | -4.49 | 2.164 | 0.087667 | 38.373333 | 99.412781 | 0.491094 |
| Quercus velutina | Black Oak | 5371 | 75 | 3.101 | 1.239 | -28.23 | 46.763 | -4.46 | 2.657 | 0.145000 | 74.546667 | 60.166801 | 0.399549 |
| Tilia americana | American Basswood | 545 | 109 | 0.807 | 0.271 | -30.03 | 42.263 | -4.26 | 3.174 | 0.109667 | 32.686667 | 120.615006 | 0.335812 |
| Quercus rubra | Red Oak | 57 | 97 | 3.248 | 1.262 | -30.42 | 44.691 | -3.53 | 2.054 | 0.127667 | 98.466667 | 78.024300 | 0.388547 |
| Ostrya virginiana | Hophornbeam | 6339 | 85 | 1.061 | 0.442 | -30.44 | 43.183 | -4.89 | 2.006 | 0.080667 | 57.130000 | 129.253394 | 0.416588 |
| Ostrya virginiana | Hophornbeam | 6346 | 86 | 0.944 | 0.429 | -30.45 | 44.913 | -5.48 | 2.017 | 0.097000 | 45.356667 | 105.726496 | 0.454449 |
| Acer rubrum | Red Maple | 635 | 3 | 1.459 | 0.638 | -30.42 | 47.233 | -6.41 | 1.632 | 0.121333 | 46.623333 | 73.077325 | 0.437286 |
| Ostrya virginiana | Hophornbeam | 6359 | 80 | 0.948 | 0.474 | -30.88 | 43.849 | -4.53 | 1.855 | 0.114333 | 38.646667 | 81.533052 | 0.500000 |
| Tilia americana | American Basswood | 646 | 107 | 1.300 | 0.431 | -28.86 | 42.635 | -3.85 | 3.209 | 0.124667 | 48.896667 | 113.449343 | 0.331538 |
| Acer rubrum | Red Maple | 6499 | 89 | 1.553 | 0.485 | -28.88 | 48.091 | -6.50 | 1.744 | 0.121333 | 49.810000 | 102.701031 | 0.312299 |
| Prunus serotina | Black Cherry | 673 | 122 | 0.494 | 0.199 | -29.09 | 45.847 | -0.50 | 1.933 | 0.130667 | 18.946667 | 95.209380 | 0.402834 |
| Acer rubrum | Red Maple | 674 | 4 | 1.563 | 0.701 | -29.28 | 47.434 | -4.42 | 1.900 | 0.110667 | 52.270000 | 74.564907 | 0.448496 |
| Prunus serotina | Black Cherry | 676 | 5 | 0.786 | 0.290 | -30.52 | 47.114 | -0.04 | 3.056 | 0.131333 | 25.093333 | 86.528736 | 0.368957 |
| Quercus alba | White Oak | 6888 | 34 | 1.554 | 0.515 | -29.64 | 46.350 | -4.27 | 2.672 | 0.142000 | 50.323333 | 97.715210 | 0.331403 |
| Quercus velutina | Black Oak | 7047 | 90 | 2.247 | 0.817 | -28.55 | 46.940 | -4.35 | 2.610 | 0.161000 | 54.416667 | 66.605467 | 0.363596 |
| Quercus velutina | Black Oak | 7048 | 91 | 3.806 | 1.271 | -28.41 | 46.696 | -4.12 | 2.586 | 0.171667 | 83.970000 | 66.066090 | 0.333946 |
| Quercus rubra | Red Oak | 7711 | 50 | 3.092 | 1.090 | -30.83 | 46.959 | -3.45 | 2.507 | 0.106333 | 93.350000 | 85.642202 | 0.352523 |
| Prunus serotina | Black Cherry | 778 | 106 | 0.580 | 0.230 | -29.48 | 43.554 | -4.85 | 1.821 | 0.139000 | 21.696667 | 94.333333 | 0.396552 |
| Tilia americana | American Basswood | 782 | 133 | 1.991 | 0.762 | -29.33 | 43.069 | -3.80 | 2.936 | 0.092000 | 73.690000 | 96.706037 | 0.382722 |
| Quercus velutina | Black Oak | 816 | 36 | 2.798 | 0.961 | -27.81 | 46.713 | -4.15 | 2.738 | 0.171667 | 51.743333 | 53.843219 | 0.343460 |
| Fraxinus americana | White Ash | 8206 | 135 | 2.321 | 0.654 | -29.56 | 43.732 | -3.87 | 3.166 | 0.088333 | 95.060000 | 145.351682 | 0.281775 |
| Prunus serotina | Black Cherry | 8295 | 21 | 0.605 | 0.250 | -28.68 | 46.977 | -2.47 | 2.030 | 0.143000 | 18.416667 | 73.666667 | 0.413223 |
| Tilia americana | American Basswood | 8297 | 108 | 1.270 | 0.450 | -28.44 | 42.980 | -4.75 | 3.067 | 0.137333 | 39.343333 | 87.429630 | 0.354331 |
| Quercus rubra | Red Oak | 8326B | 45 | 2.401 | 0.850 | -29.22 | 46.728 | -4.73 | 2.305 | 0.111667 | 66.680000 | 78.447059 | 0.354019 |
| Prunus serotina | Black Cherry | 8331 | 24 | 0.481 | 0.181 | -28.63 | 46.384 | 0.39 | 2.462 | 0.134000 | 16.516667 | 91.252302 | 0.376299 |
| Tilia americana | American Basswood | 8332 | 25 | 2.499 | 0.704 | -29.09 | 44.233 | -4.61 | 2.933 | 0.085333 | 101.013333 | 143.484848 | 0.281713 |
| Quercus alba | White Oak | 8333 | 26 | 1.935 | 0.718 | -29.42 | 46.516 | -3.90 | 2.953 | 0.130333 | 61.546667 | 85.719591 | 0.371059 |
| Prunus serotina | Black Cherry | 836 | 6 | 0.713 | 0.310 | -31.71 | 43.143 | -6.14 | 1.455 | 0.120000 | 28.466667 | 91.827957 | 0.434783 |
| Sassafras albidum | Sassafras | 8382 | 115 | 1.059 | 0.300 | -29.28 | 47.333 | -4.66 | 3.138 | 0.114667 | 34.196667 | 113.988889 | 0.283286 |
| Ulmus americana | American Elm | 8398 | 27 | 3.943 | 1.015 | -29.99 | 44.266 | -4.12 | 2.645 | 0.133000 | 79.650000 | 78.472906 | 0.257418 |
| Tilia americana | American Basswood | 8914 | 123 | 1.690 | 0.590 | -29.40 | 43.251 | -3.76 | 2.604 | 0.111333 | 68.643333 | 116.344633 | 0.349112 |
| Ulmus americana | American Elm | 8967 | 134 | 1.397 | 0.544 | -29.69 | 43.910 | -4.23 | 2.472 | 0.108333 | 42.396667 | 77.935049 | 0.389406 |
| Sassafras albidum | Sassafras | 9279 | 78 | 1.789 | 0.430 | -28.07 | 46.839 | -5.19 | 3.602 | 0.107000 | 53.096667 | 123.480620 | 0.240358 |
| Ostrya virginiana | Hophornbeam | 9866 | 126 | 0.937 | 0.482 | -29.27 | 44.313 | -4.32 | 1.873 | 0.085000 | 45.356667 | 94.100968 | 0.514408 |
| Fraxinus americana | White Ash | 995 | 130 | 1.038 | 0.333 | -30.67 | 44.947 | -4.91 | 2.461 | 0.088333 | 45.496667 | 136.626627 | 0.320809 |
| Tilia americana | American Basswood | American Basswood 1 | 114 | 1.940 | 0.617 | -31.09 | 42.916 | -2.14 | 2.909 | 0.120333 | 78.043333 | 126.488385 | 0.318041 |
| Acer rubrum | Red Maple | Red maple 01 | 33 | 2.435 | 1.068 | -29.58 | 48.792 | -5.35 | 2.108 | 0.131333 | 73.103333 | 68.448814 | 0.438604 |
| Quercus rubra | Red Oak | Red oak 04 | 70 | 2.750 | 1.049 | -30.58 | 46.000 | -3.44 | 2.077 | 0.104000 | 92.166667 | 87.861455 | 0.381455 |
| Quercus rubra | Red Oak | Red oak 05 | 71 | 2.706 | 0.997 | -30.08 | 46.186 | -3.55 | 2.310 | 0.101667 | 93.020000 | 93.299900 | 0.368441 |
| Quercus rubra | Red Oak | Red Oak 3 | 99 | 3.496 | 1.326 | -30.24 | 46.526 | -4.12 | 2.368 | 0.123333 | 92.053333 | 69.421820 | 0.379291 |
| Fraxinus americana | White Ash | White Ash 9 | 150 | 1.224 | 0.357 | -30.12 | 42.705 | -4.83 | 2.774 | 0.084667 | 45.186667 | 126.573296 | 0.291667 |

## Legend
| Column name | Description | Unit |
| --- | --- | --- |
| Latin\_name | Species Latin name | NaN |
| Common\_name | Species common (English) name | NaN |
| Tree\_tag | Tree tag as observed in the field | NaN |
| Individual\_code | Individual tree code | NaN |
| Leaf\_fwt | Leaf fresh weight | g |
| Leaf\_dwt | Leaf dry weight | g |
| Leaf\_d13C | Leaf d13C | - (per mil) |
| Leaf\_C | Leaf carbon concentration | % |
| Leaf\_d15N | Leaf d15N | - (per mil) |
| Leaf\_N | Leaf nitrogen concentration | % |
| Leaf\_thickness | Leaf thickness | mm |
| Leaf\_area | Leaf area | cm2 |
| SLA | Specific leaf area (leaf area / leaf dwt) | g.cm-2 |
| LDMC | Leaf dry matter content (leaf dtw / leaf fwt) | g.g-1 |