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Jeremy W. Lichstein, Jonathan Dushoff, Kiona Ogle, Anping Chen, Drew W. Purves, John P. Caspersen, and Stephen W. Pacala. 2009. Unlocking the forest inventory data: relating individual-tree performance to unmeasured environmental factors. *Ecological Applications* VOL:pp–pp.

Appendix B. Sample sizes and shade-tolerance index for species in light and growth analyses.

N_{Nbr} is the number of individuals (trees and saplings combined) included as a neighbor for at least one focal sapling. N_L and N_G are, respectively, the number of focal saplings in the light and growth analyses that are overtopped (OT) or sun-exposed (SE). ST is a shade-tolerance index (proportion of saplings that are in the understory) estimated from FIA data (Appendix E; values in table are posterior medians). N_{ST} is the number of saplings in the FIA data used to estimate ST . ST values (posterior means, medians, and credible intervals) for all U.S. tree species are in Supplement 1.

genus	Species	N_{Nbr}	N_L		N_G		ST	N_{ST}
			OT	SE	OT	SE		
eastern and boreal species								
<i>Abies</i>	<i>balsamea</i>	79	55	5	0	0	0.842	78830
<i>Acer</i>	<i>pensylvanicum</i>	126	57	4	0	0	0.877	3591
<i>Acer</i>	<i>rubrum</i>	154	107	8	95	8	0.854	103224
<i>Acer</i>	<i>saccharum</i>	300	58	5	0	0	0.932	51219
<i>Acer</i>	<i>spicatum</i>	36	16	7	0	0	0.924	5193
<i>Amelanchier</i>	<i>arborea</i>	8	5	1	0	0	0.896	18
<i>Betula</i>	<i>alleghaniensis</i>	100	20	3	0	0	0.829	5994
<i>Betula</i>	<i>lenta</i>	76	29	29	0	0	0.806	1950
<i>Betula</i>	<i>papyrifera</i>	17	5	1	0	0	0.648	20436
<i>Carya</i>	<i>alba</i>	3	4	1	0	0	0.906	4843
<i>Carya</i>	<i>glabra</i>	11	4	1	0	0	0.927	5001
<i>Carya</i>	<i>ovata</i>	3	3	0	0	0	0.904	3884
<i>Carya</i>	sp.	1	0	0	0	0	0.913	8163
<i>Castanea</i>	<i>dentata</i>	2	5	0	0	0	0.897	358
<i>Castanea</i>	<i>pumila</i>	0	1	0	0	0	0.940	11
<i>Cornus</i>	<i>florida</i>	16	16	2	0	0	0.962	37409
<i>Fagus</i>	<i>grandifolia</i>	114	62	2	0	0	0.952	10796
<i>Fraxinus</i>	<i>americana</i>	6	4	2	0	1	0.840	8110
<i>Fraxinus</i>	<i>nigra</i>	6	1	0	0	0	0.771	23917
<i>Halesia</i>	<i>carolina</i>	16	13	0	0	0	0.914	0
<i>Ilex</i>	<i>opaca</i>	11	12	0	0	0	0.976	9458
<i>Juniperus</i>	<i>virginiana</i>	3	3	0	0	0	0.798	10523
<i>Liquidambar</i>	<i>styraciflua</i>	41	38	0	28	0	0.831	41725
<i>Liriodendron</i>	<i>tulipifera</i>	284	95	51	86	42	0.764	11655
<i>Magnolia</i>	<i>acuminata</i>	0	1	0	0	0	0.951	299
<i>Nyssa</i>	<i>sylvatica</i>	13	13	0	0	0	0.952	16658

genus	Species	N_{Nbr}	N_L		N_G		ST	N_{ST}
			OT	SE	OT	SE		
<i>Ostrya</i>	<i>virginiana</i>	9	7	1	0	0	0.924	17794
<i>Oxydendrum</i>	<i>arboreum</i>	59	47	5	0	0	0.941	12745
<i>Picea</i>	<i>rubens</i>	1	0	0	0	0	0.777	4034
<i>Pinus</i>	<i>echinata</i>	7	1	0	1	0	0.752	5029
<i>Pinus</i>	<i>strobus</i>	29	22	7	21	7	0.902	7718
<i>Pinus</i>	<i>taeda</i>	178	30	49	16	37	0.652	27556
<i>Pinus</i>	<i>virginiana</i>	2	0	0	0	0	0.579	7744
<i>Platanus</i>	<i>occidentalis</i>	2	0	0	0	0	0.665	770
<i>Populus</i>	<i>grandidentata</i>	2	1	0	0	0	0.531	10889
<i>Populus</i>	<i>tremuloides</i>	19	3	11	0	0	0.489	86097
<i>Prunus</i>	<i>pensylvanica</i>	14	0	10	0	0	0.608	1957
<i>Prunus</i>	<i>serotina</i>	12	6	2	0	0	0.781	17370
<i>Quercus</i>	<i>alba</i>	31	12	1	0	0	0.883	17123
<i>Quercus</i>	<i>coccinea</i>	14	2	0	0	0	0.726	2979
<i>Quercus</i>	<i>falcata</i>	31	10	25	0	0	0.786	4937
<i>Quercus</i>	<i>nigra</i>	10	10	0	0	0	0.778	17541
<i>Quercus</i>	<i>phellos</i>	13	9	5	0	0	0.787	2032
<i>Quercus</i>	<i>prinus</i>	29	5	2	0	0	0.834	3517
<i>Quercus</i>	<i>rubra</i>	34	17	1	0	0	0.807	9311
<i>Quercus</i>	<i>stellata</i>	3	1	1	0	0	0.799	8434
<i>Quercus</i>	<i>velutina</i>	14	10	0	0	0	0.794	9881
<i>Robinia</i>	<i>pseudoacacia</i>	49	10	22	0	0	0.6	1505
<i>Sassafras</i>	<i>albidum</i>	26	18	9	0	0	0.873	8966
<i>Thuja</i>	<i>occidentalis</i>	2	0	0	0	0	0.795	27044
<i>Tilia</i>	<i>americana</i>	30	12	0	0	0	0.903	7258
<i>Tsuga</i>	<i>canadensis</i>	143	36	6	8	2	0.975	4119
<i>Ulmus</i>	<i>alata</i>	8	4	4	0	0	0.917	4589
<i>Ulmus</i>	<i>americana</i>	2	0	0	0	0	0.889	19845
western species								
<i>Abies</i>	<i>amabilis</i>	110	52	33	0	0	0.838	589
<i>Abies</i>	<i>grandis</i>	2	8	0	0	0	0.858	3134
<i>Abies</i>	<i>procera</i>	4	2	1	0	0	0.873	9
<i>Calocedrus</i>	<i>decurrens</i>	8	0	8	0	0	0.883	466
<i>Chrysolepis</i>	<i>chrysophylla</i>	4	2	0	0	0	0.799	103
<i>Cornus</i>	<i>nuttallii</i>	10	12	0	0	0	0.888	92
<i>Pinus</i>	<i>ponderosa</i>	529	190	194	27	46	0.727	583
<i>Populus</i>	<i>trichocarpa</i>	1	0	0	0	0	0.653	50
<i>Prunus</i>	<i>emarginata</i>	2	0	1	0	0	0.400	33
<i>Pseudotsuga</i>	<i>menziesii</i>	507	93	87	45	56	0.781	612
<i>Taxus</i>	<i>brevifolia</i>	50	69	0	0	0	0.950	179
<i>Thuja</i>	<i>plicata</i>	98	56	4	0	1	0.939	1833
<i>Tsuga</i>	<i>heterophylla</i>	163	124	6	51	4	0.893	1314
<i>Tsuga</i>	<i>mertensiana</i>	5	2	1	0	0	0.848	611