

Errata for **Urban tree database**

Citation: McPherson, E. Gregory; van Doorn, Natalie S.; Peper, Paula J. 2016. Urban tree database. Fort Collins, CO: Forest Service Research Data Archive. <https://doi.org/10.2737/RDS-2016-0005>

Changes to TS5 Foliar biomass leaf samples.csv

Change from *Fraxinus velutina*, velvet ash, FRVE:

Row	Region	Scientific Name	Common Name	SpCode
45	InlEmp	<i>Fraxinus velutina</i>	velvet ash	FRVE
124	NoCalC	<i>Fraxinus velutina</i>	velvet ash	FRVE
207	SWDsrt	<i>Fraxinus velutina</i>	velvet ash	FRVE

To: *Fraxinus velutina* 'Modesto', Modesto ash, FRVE_G

Row	Region	Scientific Name	Common Name	SpCode
45	InlEmp	<i>Fraxinus velutina</i> 'Modesto'	Modesto ash	FRVE_G
124	NoCalC	<i>Fraxinus velutina</i> 'Modesto'	Modesto ash	FRVE_G
207	SWDsrt	<i>Fraxinus velutina</i> 'Modesto'	Modesto ash	FRVE_G

Changes to TS6_Growth_coefficients.csv

In rows 1735-1741, the scientific name was changed to Fraxinus velutina 'Modesto' to match species code FRVE_G.

Change from:

Row	Region	Scientific Name	SpCode
1735	SacVal	Fraxinus velutina	FRVE_G
1736	SacVal	Fraxinus velutina	FRVE_G
1737	SacVal	Fraxinus velutina	FRVE_G
1738	SacVal	Fraxinus velutina	FRVE_G
1739	SacVal	Fraxinus velutina	FRVE_G
1740	SacVal	Fraxinus velutina	FRVE_G
1741	SacVal	Fraxinus velutina	FRVE_G

To:

Row	Region	Scientific Name	SpCode
1735	SacVal	Fraxinus velutina 'Modesto'	FRVE_G
1736	SacVal	Fraxinus velutina 'Modesto'	FRVE_G
1737	SacVal	Fraxinus velutina 'Modesto'	FRVE_G
1738	SacVal	Fraxinus velutina 'Modesto'	FRVE_G
1739	SacVal	Fraxinus velutina 'Modesto'	FRVE_G
1740	SacVal	Fraxinus velutina 'Modesto'	FRVE_G
1741	SacVal	Fraxinus velutina 'Modesto'	FRVE_G

In rows 825-831, changed species code from PYCA to PYCA_B.

Change from:

Row	Region	Scientific Name	SpCode
825	LoMidW	Pyrus calleryana 'Bradford'	PYCA
826	LoMidW	Pyrus calleryana 'Bradford'	PYCA
827	LoMidW	Pyrus calleryana 'Bradford'	PYCA
828	LoMidW	Pyrus calleryana 'Bradford'	PYCA
829	LoMidW	Pyrus calleryana 'Bradford'	PYCA
830	LoMidW	Pyrus calleryana 'Bradford'	PYCA
831	LoMidW	Pyrus calleryana 'Bradford'	PYCA

To:

Row	Region	Scientific Name	SpCode
825	LoMidW	Pyrus calleryana 'Bradford'	PYCA_B
826	LoMidW	Pyrus calleryana 'Bradford'	PYCA_B
827	LoMidW	Pyrus calleryana 'Bradford'	PYCA_B
828	LoMidW	Pyrus calleryana 'Bradford'	PYCA_B
829	LoMidW	Pyrus calleryana 'Bradford'	PYCA_B
830	LoMidW	Pyrus calleryana 'Bradford'	PYCA_B
831	LoMidW	Pyrus calleryana 'Bradford'	PYCA_B

In rows 144, 151, 214, values for variables 'b', 'c', and 'd' were shifted one cell to the left to replace the value in variable 'a'.

Change from:

Row	Region	Scientific Name	SpCode	Independent variable	Predicts component	Units of predicted components	Model weight	EqName	a	b	c	d
144	GulfCo	Carya illinoensis	CAIL	dbh	age	years	1/dbh^2	quad	1/DBH^2	-2.3867	1.00638	-0.0041
151	GulfCo	Celtis laevigata	CELA	dbh	age	years	1/dbh	quad	1/DBH	-1.52508	0.81167	-0.00312
214	GulfCo	Platanus occidentalis	PLOC	dbh	age	years	1/dbh	quad	1/DBH	-2.5238	0.91017	-0.00349

To:

Row	Region	Scientific Name	SpCode	Independent variable	Predicts component	Units of predicted components	Model weight	EqName	a	b	c	d
144	GulfCo	Carya illinoensis	CAIL	dbh	age	years	1/dbh^2	quad	-2.3867	1.00638	-0.0041	
151	GulfCo	Celtis laevigata	CELA	dbh	age	years	1/dbh	quad	-1.52508	0.81167	-0.00312	
214	GulfCo	Platanus occidentalis	PLOC	dbh	age	years	1/dbh	quad	-2.5238	0.91017	-0.00349	

In rows 1707-1846, SacVal region's variables 'c' and 'd' had a systematic error and were corrected.

Changed to:

Region	Scientific Name	SpCode	Independent variable	Predicts component	Units of predicted components	Model weight	EqName	a	b	c	d
SacVal	Cedrus deodara	CEDE	dbh	age	years	1	loglogw1	-1.60213	3.82378	0.30389	0.09235
SacVal	Cedrus deodara	CEDE	cdia	dbh	meters	1/cdia	lin	-6.32322	5.5559		
SacVal	Cedrus deodara	CEDE	dbh	crown dia	meters	1/dbh	cub	0.5258	0.28597	-0.00220	0.00001
SacVal	Cedrus deodara	CEDE	dbh	crown ht	meters	1/sqrt(dbh)	cub	-2.38474	0.62219	-0.00525	0.00002
SacVal	Cedrus deodara	CEDE	age	dbh	centimeters	1	loglogw1	0.60029	2.65795	0.061156	
SacVal	Cedrus deodara	CEDE	dbh	leaf area	sq. meters	1	loglogw1	-2.33574	5.74921	0.25962	
SacVal	Cedrus deodara	CEDE	dbh	tree ht	meters	1/sqrt(dbh)	quad	-1.01371	0.53995	-0.00265	
SacVal	Celtis occidentalis	CEOC	dbh	age	years	1/dbh^2	lin	-0.84351	0.7832		
SacVal	Celtis occidentalis	CEOC	cdia	dbh	meters	1	loglogw1	1.41616	2.42584	0.09906	
SacVal	Celtis occidentalis	CEOC	dbh	crown dia	meters	1	loglogw1	-0.40489	2.1918	0.04639	
SacVal	Celtis occidentalis	CEOC	dbh	crown ht	meters	1/dbh^2	lin	1.50507	0.18403		

SacVal	Celtis occidental is	CEOC	age	dbh	centimete rs	1/age^2	quad	0.59486	1.77385	-0.0115		
SacVal	Celtis occidental is	CEOC	dbh	leaf area	sq. meters	1	loglogw1	-1.99866	5.66181	0.35240		
SacVal	Celtis occidental is	CEOC	dbh	tree ht	meters	1/dbh	quad	2.59923	0.27032	-0.00124		
SacVal	Celtis sinensis	CESI4	dbh	age	years	1/dbh^2	lin	-1.02931	0.7272			
SacVal	Celtis sinensis	CESI4	cdia	dbh	meters	1/cdia^2	quad	-2.07328	2.4363	0.10223		
SacVal	Celtis sinensis	CESI4	dbh	crown dia	meters	1/dbh	cub	1.11854	0.37584	-0.00285	0.00001	
SacVal	Celtis sinensis	CESI4	dbh	crown ht	meters	1/sqrt(dbh)	lin	2.79745	0.13252			
SacVal	Celtis sinensis	CESI4	age	dbh	centimete rs	1/age	cub	0.83516	2.40233	-0.04183	0.00036	
SacVal	Celtis sinensis	CESI4	dbh	leaf area	sq. meters	1	loglogw1	-2.1349	5.80867	0.21015		
SacVal	Celtis sinensis	CESI4	dbh	tree ht	meters	1/sqrt(dbh)	lin	4.2474	0.15487			
SacVal	Cinnamo mum camphora	CICA	dbh	age	years	1/dbh^2	lin	-1.99343	0.65859			
SacVal	Cinnamo mum camphora	CICA	cdia	dbh	meters	1	loglogw1	1.30469	2.89706	0.04419		
SacVal	Cinnamo mum camphora	CICA	dbh	crown dia	meters	1/dbh^2	cub	0.40772	0.30821	-0.00202	0.00001	

SacVal	Cinnamomum camphora	CICA	dbh	crown ht	meters	1/dbh	quad	1.30265	0.22261	-0.00071	
SacVal	Cinnamomum camphora	CICA	age	dbh	centimeters	1/age^2	quad	2.9586	1.90342	-0.00660	
SacVal	Cinnamomum camphora	CICA	dbh	leaf area	sq. meters	1	loglogw1	-2.43827	5.96978	0.14195	
SacVal	Cinnamomum camphora	CICA	dbh	tree ht	meters	1/dbh	quad	2.0156	0.28138	-0.00106	
SacVal	Fraxinus velutina	FRVE_G	dbh	age	years	1	loglogw1	-2.61466	4.43216	0.30840	0.09511
SacVal	Fraxinus velutina	FRVE_G	cdia	dbh	meters	1	lin	1.09207	4.93654		
SacVal	Fraxinus velutina	FRVE_G	dbh	crown dia	meters	1/dbh	lin	2.70647	0.15246		
SacVal	Fraxinus velutina	FRVE_G	dbh	crown ht	meters	1/dbh	lin	2.88187	0.11198		
SacVal	Fraxinus velutina	FRVE_G	age	dbh	centimeters	1/age^2	cub	1.22216	3.08089	-0.06277	0.00055
SacVal	Fraxinus velutina	FRVE_G	dbh	leaf area	sq. meters	1/dbh^2	quad	-0.74319	2.93741	0.04194	
SacVal	Fraxinus velutina 'Modesto'	FRVE_G	dbh	tree ht	meters	1/dbh^2	quad	2.97386	0.2269	-0.00087	
SacVal	Ginkgo biloba	GIBI	dbh	age	years	1/dbh^2	cub	-0.30338	0.63908	0.01137	-0.00008
SacVal	Ginkgo biloba	GIBI	cdia	dbh	meters	1/cdia	quad	-1.39794	3.51608	0.05285	
SacVal	Ginkgo biloba	GIBI	dbh	crown dia	meters	1/sqrt(dbh)	cub	0.74902	0.3336	-0.00273	0.00001

SacVal	Ginkgo biloba	GIBI	dbh	crown ht	meters	1/dbh	quad	1.93745	0.26338	-0.00063	
SacVal	Ginkgo biloba	GIBI	age	dbh	centimeters	1/age	cub	0.45133	1.73857	-0.02112	0.00013
SacVal	Ginkgo biloba	GIBI	dbh	leaf area	sq. meters	1/dbh^2	cub	0.5349	0.45713	0.16613	-0.00092
SacVal	Ginkgo biloba	GIBI	dbh	tree ht	meters	1/dbh^2	quad	1.96732	0.37958	-0.00158	
SacVal	Lagerstroemia indica	LAIN	dbh	age	years	1	loglogw1	-2.7049	5.28435	0.2628	0.06906
SacVal	Lagerstroemia indica	LAIN	cdia	dbh	meters	1/cdia^2	lin	-1.18032	3.76366		
SacVal	Lagerstroemia indica	LAIN	dbh	crown dia	meters	1	loglogw1	-0.30397	1.86299	0.06698	
SacVal	Lagerstroemia indica	LAIN	dbh	crown ht	meters	1	lin	2.54076	0.10439		
SacVal	Lagerstroemia indica	LAIN	age	dbh	centimeters	1/age	cub	2.02636	1.21727	-0.02189	0.00019
SacVal	Lagerstroemia indica	LAIN	dbh	leaf area	sq. meters	1	loglogw1	-0.91994	4.46094	0.28072	
SacVal	Lagerstroemia indica	LAIN	dbh	tree ht	meters	1	lin	3.60759	0.12892		
SacVal	Liquidambar styraciflua	LIST	dbh	age	years	1/dbh^2	lin	-2.82685	0.73094		

SacVal	Liquidambar styraciflua	LIST	cdia	dbh	meters	1	loglogw1	1.53712	2.67556	0.07225	
SacVal	Liquidambar styraciflua	LIST	dbh	crown dia	meters	1	loglogw1	-0.74549	2.24329	0.03499	
SacVal	Liquidambar styraciflua	LIST	dbh	crown ht	meters	1/dbh	quad	1.98065	0.34302	-0.00092	
SacVal	Liquidambar styraciflua	LIST	age	dbh	centimeters	1/age	quad	3.71462	1.76501	-0.00920	
SacVal	Liquidambar styraciflua	LIST	dbh	leaf area	sq. meters	1	loglogw1	-1.29846	5.43689	0.17177	
SacVal	Liquidambar styraciflua	LIST	dbh	tree ht	meters	1/dbh	quad	1.92152	0.42496	-0.00142	
SacVal	Liriodendron tulipifera	LITU	dbh	age	years	1	loglogw1	-2.38634	4.313	0.31702	0.10050
SacVal	Liriodendron tulipifera	LITU	cdia	dbh	meters	1/cdia^2	quad	-1.91865	3.61531	0.07061	
SacVal	Liriodendron tulipifera	LITU	dbh	crown dia	meters	1	loglogw1	-0.82122	2.42335	0.03359	
SacVal	Liriodendron tulipifera	LITU	dbh	crown ht	meters	1/sqrt(dbh)	quad	0.07385	0.4792	-0.00229	
SacVal	Liriodendron tulipifera	LITU	age	dbh	centimeters	1/age	cub	1.77312	2.34134	-0.03313	0.00026

SacVal	Liriodendron tulipifera	LITU	dbh	leaf area	sq. meters	1/dbh^2	quad	-26.7561	5.37789	0.05555	
SacVal	Liriodendron tulipifera	LITU	dbh	tree ht	meters	1/dbh	quad	1.37343	0.51365	-0.00243	
SacVal	Magnolia grandiflora	MAGR	dbh	age	years	1	loglogw1	-1.42808	3.80783	0.29032	0.08428
SacVal	Magnolia grandiflora	MAGR	cdia	dbh	meters	1	loglogw1	1.23128	3.01826	0.05531	
SacVal	Magnolia grandiflora	MAGR	dbh	crown dia	meters	1	loglogw1	-0.74812	2.27117	0.01972	
SacVal	Magnolia grandiflora	MAGR	dbh	crown ht	meters	1	loglogw1	-0.88799	2.34944	0.05248	
SacVal	Magnolia grandiflora	MAGR	age	dbh	centimeters	1	loglogw1	0.8897	2.29879	0.07535	
SacVal	Magnolia grandiflora	MAGR	dbh	leaf area	sq. meters	1/sqrt(dbh)	loglogw2	-1.98269	5.33091	0.04192	
SacVal	Magnolia grandiflora	MAGR	dbh	tree ht	meters	1	loglogw1	0.03554	1.86114	0.03187	
SacVal	Pistacia chinensis	PICH	dbh	age	years	1	loglogw1	-1.35195	3.66958	0.30916	0.09558
SacVal	Pistacia chinensis	PICH	cdia	dbh	meters	1/cdia^2	cub	4.04044	-0.88374	0.52717	-0.01629
SacVal	Pistacia chinensis	PICH	dbh	crown dia	meters	1	loglogw1	-0.4355	2.26233	0.01719	

SacVal	Pistacia chinensis	PICH	dbh	crown ht	meters	1	loglogw1	-0.29023	1.92451	0.04048	
SacVal	Pistacia chinensis	PICH	age	dbh	centimeters	1	loglogw1	1.08846	2.11365	0.04575	
SacVal	Pistacia chinensis	PICH	dbh	leaf area	sq. meters	1	loglogw1	-1.53901	5.68848	0.22602	
SacVal	Pistacia chinensis	PICH	dbh	tree ht	meters	1/sqrt(dbh)	quad	2.62862	0.32163	-0.00177	
SacVal	Platanus x acerifolia	PLAC	dbh	age	years	1/dbh	cub	-0.86822	0.41592	0.01295	-0.00009
SacVal	Platanus x acerifolia	PLAC	cdia	dbh	meters	1/cdia	lin	-5.89056	4.49545		
SacVal	Platanus x acerifolia	PLAC	dbh	crown dia	meters	1/dbh	lin	2.04178	0.20974		
SacVal	Platanus x acerifolia	PLAC	dbh	crown ht	meters	1/dbh	lin	2.75104	0.19594		
SacVal	Platanus x acerifolia	PLAC	age	dbh	centimeters	1/age	quad	3.52669	1.43849	-0.00343	
SacVal	Platanus x acerifolia	PLAC	dbh	leaf area	sq. meters	1	loglogw1	-1.47888	5.53503	0.30078	
SacVal	Platanus x acerifolia	PLAC	dbh	tree ht	meters	1/dbh^2	cub	2.52631	0.43966	-0.00444	0.00002
SacVal	Prunus cerasifera cvs.	PRCE	dbh	age	years	1	loglogw1	-1.28919	3.7347	0.36063	0.13006
SacVal	Prunus cerasifera cvs.	PRCE	cdia	dbh	meters	1	loglogw1	1.99465	1.83708	0.14909	
SacVal	Prunus cerasifera cvs.	PRCE	dbh	crown dia	meters	1/dbh	cub	-0.7032	0.59161	-0.01452	0.00012
SacVal	Prunus cerasifera cvs.	PRCE	dbh	crown ht	meters	1/dbh^2	lin	1.71524	0.11446		

SacVal	Prunus cerasifera cvs.	PRCE	age	dbh	centimete rs	1	loglogw1	1.41379	1.62752	0.05803	
SacVal	Prunus cerasifera cvs.	PRCE	dbh	leaf area	sq. meters	1	loglogw1	-1.67724	4.71336	0.42252	
SacVal	Prunus cerasifera cvs.	PRCE	dbh	tree ht	meters	1/dbh	lin	2.66095	0.14391		
SacVal	Pyrus calleryana cvs.	PYCA	dbh	age	years	1	loglogw1	-1.86365	3.6845	0.37070	0.13742
SacVal	Pyrus calleryana cvs.	PYCA	cdia	dbh	meters	1/sqrt(cdia)	lin	0.83165	3.45073		
SacVal	Pyrus calleryana cvs.	PYCA	dbh	crown dia	meters	1/dbh	lin	0.344	0.26912		
SacVal	Pyrus calleryana cvs.	PYCA	dbh	crown ht	meters	1/dbh^2	lin	1.94791	0.23194		
SacVal	Pyrus calleryana cvs.	PYCA	age	dbh	centimete rs	1	loglogw1	1.84201	1.59266	0.03767	
SacVal	Pyrus calleryana cvs.	PYCA	dbh	leaf area	sq. meters	1	loglogw1	-2.27761	5.83906	0.43541	
SacVal	Pyrus calleryana cvs.	PYCA	dbh	tree ht	meters	1/dbh^2	quad	1.96046	0.39902	-0.00255	
SacVal	Quercus agrifolia	QUAG	dbh	age	years	1/dbh^2	quad	-1.75357	0.79787	-0.00149	
SacVal	Quercus agrifolia	QUAG	cdia	dbh	meters	1/cdia^2	cub	-0.26433	1.90626	0.25909	-0.00680

SacVal	Quercus agrifolia	QUAG	dbh	crown dia	meters	1/dbh	quad	1.07657	0.26335	-0.00051	
SacVal	Quercus agrifolia	QUAG	dbh	crown ht	meters	1/dbh	lin	1.01394	0.18263		
SacVal	Quercus agrifolia	QUAG	age	dbh	centimeters	1/age^2	cub	2.25596	1.43382	0.01147	-0.00018
SacVal	Quercus agrifolia	QUAG	dbh	leaf area	sq. meters	1	loglogw1	-2.81885	6.20463	0.30395	
SacVal	Quercus agrifolia	QUAG	dbh	tree ht	meters	1/dbh	quad	1.58199	0.26378	-0.00071	
SacVal	Quercus lobata	QULO	dbh	age	years	1/dbh^2	cub	-3.3546	1.0439	-0.00773	0.00008
SacVal	Quercus lobata	QULO	cdia	dbh	meters	1/cdia^2	quad	-1.16798	2.72447	0.09557	
SacVal	Quercus lobata	QULO	dbh	crown dia	meters	1/dbh	quad	1.09621	0.30138	-0.00101	
SacVal	Quercus lobata	QULO	dbh	crown ht	meters	1	loglogw1	-0.05648	1.88419	0.05751	
SacVal	Quercus lobata	QULO	age	dbh	centimeters	1/age	cub	2.28211	1.66463	-0.01025	0.00002
SacVal	Quercus lobata	QULO	dbh	leaf area	sq. meters	1	loglogw1	-1.57301	5.5834	0.17214	
SacVal	Quercus lobata	QULO	dbh	tree ht	meters	1	loglogw1	0.18007	1.86782	0.04209	
SacVal	Quercus rubra	QURU	dbh	age	years	1/dbh^2	quad	-0.48253	0.48559	0.00471	
SacVal	Quercus rubra	QURU	cdia	dbh	meters	1/cdia^2	quad	1.08594	1.96862	0.08911	
SacVal	Quercus rubra	QURU	dbh	crown dia	meters	1/dbh	quad	0.43051	0.383	-0.00163	
SacVal	Quercus rubra	QURU	dbh	crown ht	meters	1/dbh	quad	1.89117	0.32525	-0.00133	
SacVal	Quercus rubra	QURU	age	dbh	centimeters	1/age	quad	3.22204	1.76438	-0.00900	

SacVal	Quercus rubra	QURU	dbh	leaf area	sq. meters	1	loglogw1	-1.78897	6.00207	0.30299	
SacVal	Quercus rubra	QURU	dbh	tree ht	meters	1/dbh	quad	2.44368	0.39304	-0.00165	
SacVal	Sequoia sempervir ens	SESE	dbh	age	years	1/dbh	quad	0.3571	0.42835	-0.00055	
SacVal	Sequoia sempervir ens	SESE	cdia	dbh	meters	1/cdia^2	quad	-7.13054	6.73749	0.28138	
SacVal	Sequoia sempervir ens	SESE	dbh	crown dia	meters	1/dbh	quad	1.18331	0.13022	-0.00031	
SacVal	Sequoia sempervir ens	SESE	dbh	crown ht	meters	1/dbh	quad	1.05676	0.34661	-0.00098	
SacVal	Sequoia sempervir ens	SESE	age	dbh	centimete rs	1/age	lin	-0.95197	2.68361		
SacVal	Sequoia sempervir ens	SESE	dbh	leaf area	sq. meters	1/dbh^2	cub	-3.21552	1.87303	0.07726	-0.00026
SacVal	Sequoia sempervir ens	SESE	dbh	tree ht	meters	1/dbh	quad	1.04443	0.38756	-0.00112	
SacVal	Ulmus parvifolia	ULPA	dbh	age	years	1	loglogw1	-3.18841	4.96481	0.22449	0.05040
SacVal	Ulmus parvifolia	ULPA	cdia	dbh	meters	1/cdia^2	cub	1.22722	0.48602	0.28817	-0.00715
SacVal	Ulmus parvifolia	ULPA	dbh	crown dia	meters	1	loglogw1	-0.17418	2.1571	0.02564	
SacVal	Ulmus parvifolia	ULPA	dbh	crown ht	meters	1	loglogw1	-0.37862	2.10006	0.06546	

SacVal	Ulmus parvifolia	ULPA	age	dbh	centimete rs	1/age	cub	2.3358	2.08455	-0.02888	0.00023
SacVal	Ulmus parvifolia	ULPA	dbh	leaf area	sq. meters	1/sqrt(dbh)	loglogw2	-1.2326	5.51229	0.03510	
SacVal	Ulmus parvifolia	ULPA	dbh	tree ht	meters	1/dbh	quad	2.21114	0.34937	-0.00169	
SacVal	Zelkova serrata	ZESE	dbh	age	years	1	loglogw1	-1.64786	3.64024	0.25293	0.06397
SacVal	Zelkova serrata	ZESE	cdia	dbh	meters	1/cdia^2	cub	1.25743	0.9739	0.28534	-0.00630
SacVal	Zelkova serrata	ZESE	dbh	crown dia	meters	1/dbh	quad	1.57578	0.28948	-0.00073	
SacVal	Zelkova serrata	ZESE	dbh	crown ht	meters	1/dbh	lin	2.20794	0.15519		
SacVal	Zelkova serrata	ZESE	age	dbh	centimete rs	1/age^2	quad	1.32502	2.13762	-0.00791	
SacVal	Zelkova serrata	ZESE	dbh	leaf area	sq. meters	1	loglogw1	-2.82345	6.64613	0.21755	
SacVal	Zelkova serrata	ZESE	dbh	tree ht	meters	1/dbh	quad	3.33612	0.23304	-0.00045	