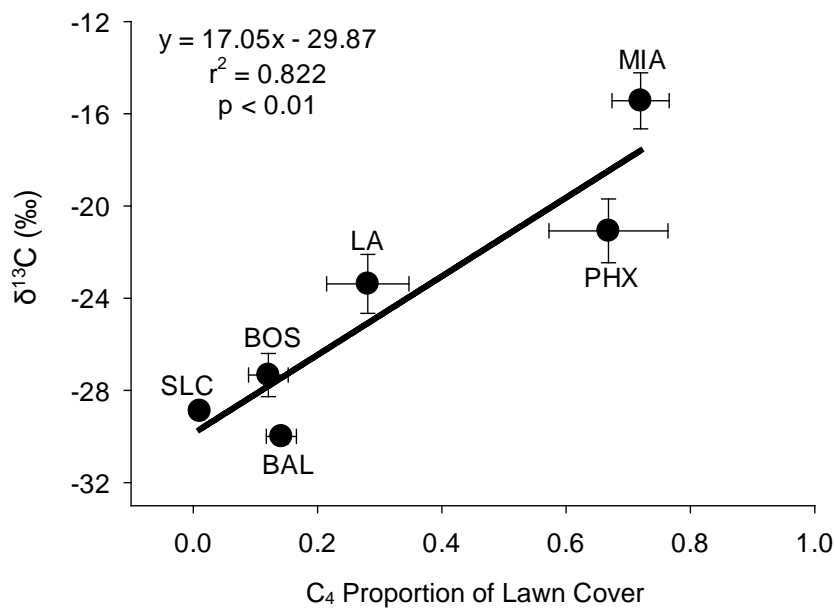


Supporting Information. T. L. E. Trammell, D. E. Pataki, C. J. Still, J. R. Ehleringer, M. L. Avolio, N. Bettez, J. Cavender-Bares, P. M. Groffman, M. Grove, S. J. Hall, J. Heffernan, S. E. Hobbie, K. L. Larson, J. L. Morse, C. Neill, K. C. Nelson, J. O’Neil-Dunne, W. D. Pearse, R. Roy Chowdhury, M. Steele, and M. M. Wheeler. 2019. Climate and lawn management interact to control C₄ plant distribution in residential lawns across seven U.S. cities. *Ecological Applications*.

Appendix S1



Appendix S1: Fig. S1 Mean residential plant δ¹³C (‰) in Baltimore, Boston, Los Angeles, Miami, Phoenix, and Salt Lake City versus the mean C₄ proportion of lawn cover in residential lawns (±1 SE). Note small SE values (i.e., SLC x-axis SE = ±0.005, y-axis SE = ±0.134; BAL y-axis SE = ±0.32) result in imperceptible error bars. Cities are labeled on the data points.

Appendix S1: Table S1 Residential lawn species (*non-turf*) found in across the seven cities.

Latin Name	Common Name	Growth Form
<i>Acalypha rhomboidea</i>	Common threeseed mercury	Forb
<i>Acer saccharum</i>	Sugar maple	Tree
<i>Ailanthus altissima</i>	Tree-of-heaven	Tree
<i>Amaranthus retroflexus</i>	Redroot amaranth	Forb
<i>Ambrosia artemisiifolia</i>	Annual ragweed	Forb
<i>Bidens alba</i>	Romerillo	Forb
<i>Blechnum pyramidatum</i>	Browne's blechnum	Forb
<i>Bromus carinatus</i>	California brome	Graminoid
<i>Bromus catharticus</i>	Rescuegrass	Graminoid
<i>Bromus rubens</i>	Red brome	Graminoid
<i>Calyptracarpus vialis</i>	Straggler daisy	Forb
<i>Capsella bursa-pastoris</i>	Shepherd's purse	Forb
<i>Carex sp.</i>	Sedge	Graminoid
<i>Cerastium fontanum</i>	Common mouse-ear chickweed	Forb
<i>Chamaesyce hirta</i>	Pillpod sandmat	Forb
<i>Chamaesyce hypericifolia</i>	Graceful sandmat	Forb
<i>Chamaesyce maculata</i>	Spotted sandmat	Forb
<i>Chamaesyce nutans</i>	Eyebane	Forb
<i>Chamaesyce prostrata</i>	Prostrate sandmat	Forb
<i>Commelina diffusa</i>	Climbing dayflower	Forb
<i>Convolvulus arvensis</i>	Field bindweed	Forb/Vine
<i>Conyza canadensis</i>	Canadian horseweed	Forb
<i>Cyperus compressus</i>	Poorland flatsedge	Graminoid
<i>Cyperus croceus</i>	Baldwin's flatsedge	Graminoid

<i>Cyperus esculentus</i>	Yellow nutsedge	Graminoid
<i>Dactylis glomerata</i>	Orchardgrass	Graminoid
<i>Daucus pusillus</i>	American wild carrot	Forb
<i>Desmodium incanum</i>	Zarabacoa comun	Forb
<i>Desmodium triflorum</i>	Threeflower ticktrefoil	Forb
<i>Dichondra carolinensis</i>	Carolina ponysfoot	Forb
<i>Digitaria ciliaris</i>	Southern crabgrass	Graminoid
<i>Digitaria ischaemum</i>	Smooth crabgrass	Graminoid
<i>Digitaria sanguinalis</i>	Hairy crabgrass	Graminoid
<i>Drymaria cordata</i>	Whitesnow	Forb
<i>Duchesnea indica</i>	Indian strawberry	Forb
<i>Eleusine indica</i>	Indian goosegrass	Graminoid
<i>Elymus repens</i>	Quackgrass	Graminoid
<i>Emilia fosbergii</i>	Florida tasselflower	Forb
<i>Erodium cicutarium</i>	Redstem stork's bill	Forb
<i>Fraxinus pennsylvanica</i>	Green ash	Tree
<i>Glechoma hederacea</i>	Ground ivy	Forb
<i>Hedera helix</i>	English ivy	Vine
<i>Hydrocotyle umbellata</i>	Manyflower marshpennywort	Forb
<i>Hydrocotyle verticillata</i>	Whorled marshpennywort	Forb
<i>Indigofera hendecaphylla</i>	Trailing indigo	Forb
<i>Juncus tenuis</i>	Poverty rush	Graminoid
<i>Kummerowia striata</i>	Japanese clover	Forb
<i>Kyllinga brevifolia</i>	Shortleaf spikesedge	Graminoid
<i>Lactuca serriola</i>	Prickly lettuce	Forb
<i>Malva parviflora</i>	Cheesweed mallow	Forb
<i>Medicago lupulina</i>	Black medick	Forb
<i>Medicago polymorpha</i>	Burclover	Forb

<i>Microstegium vimineum</i>	Nepalese browntop	Graminoid
<i>Mollugo verticillata</i>	Green carpetweed	Forb
<i>Muhlenbergia schreberi</i>	Nimblewill	Graminoid
<i>Oxalis corniculata</i>	Creeping woodsorrel	Forb
<i>Oxalis stricta</i>	Common yellow oxalis	Forb
<i>Parthenocissus quinquefolia</i>	Virginia creeper	Vine
<i>Paspalum leave</i>	Field paspalum	Graminoid
<i>Paspalum setaceum</i>	Thin paspalum	Graminoid
<i>Phyla nodiflora</i>	Turkey tangle fogfruit	Forb
<i>Phyllanthus tenellus</i>	Mascarene Island leaf-flower	Forb
<i>Pilea microphylla</i>	Rockweed	Forb
<i>Plantago lanceolata</i>	Narrowleaf plantain	Forb
<i>Plantago major</i>	Common plantain	Forb
<i>Plantago rugelii</i>	Blackseed plantain	Forb
<i>Poa annua</i>	Annual bluegrass	Graminoid
<i>Poa compressa</i>	Canada bluegrass	Graminoid
<i>Polygonum aviculare</i>	Prostrate knotweed	Forb
<i>Polygonum cespitosum</i>	Oriental lady's thumb	Forb
<i>Potentilla canadensis</i>	Dwarf cinquefoil	Forb
<i>Prunella vulgaris</i>	Common selfheal	Forb
<i>Quercus sp.</i>	Oak	Shrub/Tree
<i>Rhamnus cathartica</i>	Common buckthorn	Shrub/Tree
<i>Richardia grandiflora</i>	Largeflower Mexican clover	Forb
<i>Ruellia ciliatiflora</i>	Hairyflower wild petunia	Forb
<i>Rumex acetosella</i>	Common sheep sorrel	Forb
<i>Sida acuta</i>	Common wireweed	Forb/Shrub
<i>Sisymbrium irio</i>	London rocket	Forb
<i>Sonchus oleraceus</i>	Common sowthistle	Forb

<i>Spermacoce verticillata</i>	Shrubby false buttonweed	Shrub
<i>Stellaria media</i>	Common chickweed	Forb
<i>Taraxacum officinale</i>	Common dandelion	Forb
<i>Trifolium pretense</i>	Red clover	Forb
<i>Trifolium repens</i>	White clover	Forb
<i>Ulmus pumila</i>	Siberian elm	Shrub/Tree
<i>Veronica arvensis</i>	Corn speedwell	Forb
<i>Veronica serpyllifolia</i>	Thymeleaf speedwell	Forb
<i>Viola odorata</i>	Sweet violet	Forb
<i>Viola sororia</i>	Common blue violet	Forb
