	Burned Sites		
	B1	B2	B3
Minimum shift	8	3	11
Empirical shift	316	8	-108

Supplementary Table S1. The mass of N needed to be deposited at each site in order to achieve a shift in soil $\delta^{15}N$ of the minimum external precision, and the observed empirical shift in soil $\delta^{15}N$. These values were calculated from mixing models with fresh leaf $\delta^{15}N$ as one end member. Across 1,827 samples from 67 plant species, the mean $\delta^{15}N$ was -2.9‰ (±0.1; J. Wright, unpublished data). Units are in g N m^{-2}. Minimum external precision is 0.1‰ $\delta^{15}N$ at 1 standard deviation.