

Table S4. Results of one-sample tests to determine whether mean net biodiversity, complementarity, or selection effects differed from zero. T-tests were used for net biodiversity and complementarity effects, and sign-tests for selection effects. Significant tests ($p < 0.05$) are indicated in bold.

Variable	Date	Effect	Fallow Field		Mowed Lawn		
			Transformation	p	Transformation	p	
Leaf Area (cm ²)	Sept 07	Net Effect	sqrt	0.0497	sqrt	0.8432	
		Complementarity	pwr(0.75) ^a	0.1437	sqrt	0.6355	
		Selection	none	0.0027	none	0.0145	
	Oct 07	Net Effect	sqrt	0.0007	sqrt	0.7850	
		Complementarity	pwr(0.75)	0.1201	sqrt	0.4378	
		Selection	none	< 0.0001	none	0.0065	
	Apr 08	Net Effect	sqrt	0.0038	sqrt	0.6467	
		Complementarity	pwr(0.75)	0.0531	sqrt	0.0841	
		Selection	none	< 0.0001	none	0.0065	
	June 08	Net Effect	sqrt	< 0.0001	sqrt	0.5660	
		Complementarity	pwr(0.75)	< 0.0001	sqrt	0.1458	
		Selection	none	0.0300	none	0.0300	
	July 08	Net Effect	sqrt	0.0001	sqrt	0.8268	
		Complementarity	pwr(0.75)	0.0003	sqrt	0.6675	
		Selection	none	0.1048	none	0.5900	
	Aug 08	Net Effect	sqrt	0.0005	sqrt	0.1135	
		Complementarity	pwr(0.75)	0.3152	sqrt	0.1365	
		Selection	none	0.0004	none	0.5900	
	Seed Number	Total	Net Effect	none	< 0.0001	sqrt	0.2096
			Complementarity	none	0.0646	pwr(0.75)	0.0063
			Selection ^b	none	< 0.0001	none	0.2806

^aPwr(x) indicates that the data were raised to the power of x.

^bA t-test was used in the fallow field.