Table S3: Summary of loadings and variance explained by first two components from separate principal components analysis (PCA) of aboveground plant traits. All traits were scaled to mean = 0 and SD = 1 prior to PCA to give them equal weight in the analysis.

Individual traits	Trait PC1	Trait PC2
Ant-aphid experiment		
Plant height	0.51	-0.49
Shoot count	0.43	0.25
Shoot length	0.64	-0.14
Leaf trichome density	-0.12	-0.72
Leaf water content	-0.36	-0.39
Variance explained	39%	29%
Wind experiment, 2012		
Plant height	0.55	-0.18
Shoot count	0.47	0.29
Shoot length	0.68	-0.07
Leaf trichome density	-0.08	0.64
Leaf water content	0.09	0.69
Variance explained	36%	24%
Wind experiment, 2013		
Plant height	0.46	-0.29
Shoot count	0.49	-0.27
Shoot length	0.45	-0.20
Leaf water content	-0.36	-0.52
Specific Leaf Area (SLA)	-0.46	-0.42
Leaf C:N	-0.04	0.59
Variance explained	45%	26%

Table S4: Summary of loadings and variance explained by first two components from separate principal components analysis (PCA) of soil properties. All soil characteristics were scaled to mean = 0 and SD = 1 prior to PCA to give them equal weight in the analysis.

Soil properties	Soil PC1	Soil PC2
NO_3^--N	-0.25	-0.09
NH_4^+-N	-0.15	-0.02
Ca^{2+}	0.23	0.45
Mg^{2+}	0.29	0.34
K^+	0.23	-0.20
$H_2PO_4^-$-P	0.23	0.09
Fe^{3+}	0.33	-0.20
Mn^{2+}	0.19	0.16
Cu^{2+}	0.24	-0.30
Zn^{2+}	0.17	-0.40

$B(OH)_4^-$-B	0.20	-0.26
SO_4^--S	0.26	0.10
Pb^{2+}	0.21	-0.10
Al^{3+}	0.27	-0.23
Cd^{2+}	0.05	0.40
Organic matter (%)	0.35	0.14
Soil moisture	0.30	0.04
Variance explained	38%	14%