

Appendix A

	H1	H2	H3	H4	H5
<i>Atriplex lentiformis</i>	x	-	x	x	-
<i>Baccharis pilularis</i>	x	x	x	x	x
<i>Baccharis salicifolia</i>	x	x	-	x	-
<i>Ceanothus sp.</i>	x	-	-	x	-
<i>Cercis occidentalis</i>	x	x	-	x	-
<i>Epilobium campestre</i>	-	-	x	-	-
<i>Eriogonum fasciculatum</i>	x	x	x	x	x
<i>Fremontodendron californica</i>	-	-	x	-	-
<i>Heteromeles arbutifolia</i>	x	x	x	x	x
<i>Muhlenbergia rigens</i>	x	x	x	x	x
<i>Prunus sp.</i>	-	-	-	x	-
<i>Punica granatum</i>	-	-	-	x	-
<i>Rosa californica</i>	x	x	-	-	-
<i>Salvia sp.</i>	x	-	x	x	-
<i>Sambucus mexicana</i>	x	x	x	-	x
<i>Rhamnus californica</i>	-	-	x	-	x
<i>Rhamnus tomentella</i>	-	-	x	x	x

Table S1: List of plants species planted by site.

Parameter	Mean	SD	95% CI
ϕ_1 (d')	-0.14	0.48	(-1.10, 0.80)
ϕ_2 (ypr)	0.47	0.28	(0.10, 1.12)
ϕ_3 (d'*ypr)	0.16	0.31	(-0.26, 0.85)
γ_1 (d')	-0.72	0.23	(-1.17, -0.27)
γ_2 (ypr)	-0.08	0.07	(-0.05, 0.22)
γ_3 (d'*ypr)	0.15	0.07	(0.02, 0.28)

Table S2: Posterior probability summaries for explanatory variables. 95% CI indicates Bayesian credible intervals. Credible intervals that do not contain zero are highlighted in bold text.

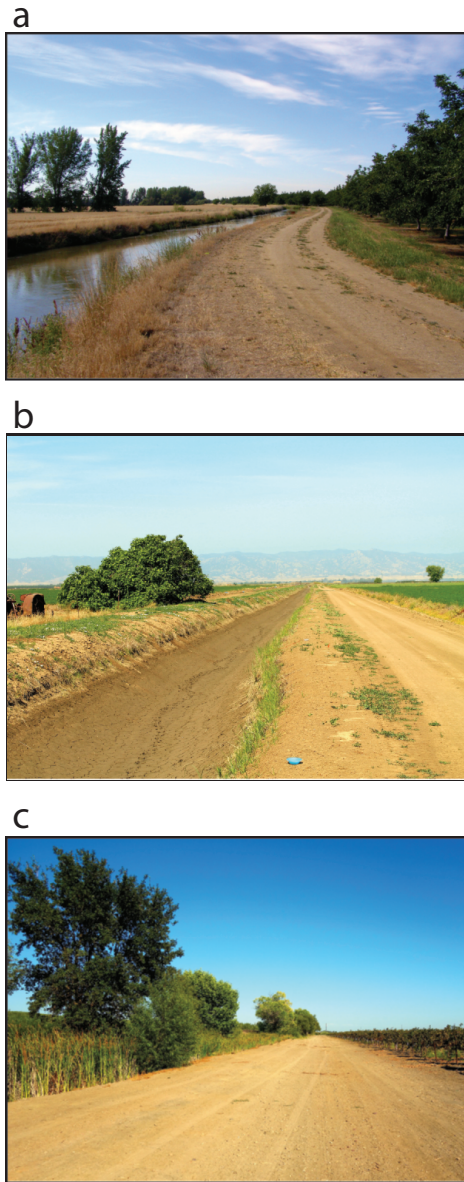


Figure S1: Controls sites represented the range of possible conditions of unrestored field edges, from (a) control site next to walnut orchard, (b) bare edges, and (c) wooded or shrubby edges (often containing many invasive species). Photo credits: L.K. M’Gonigle (a,c) and K. Cutler (b).

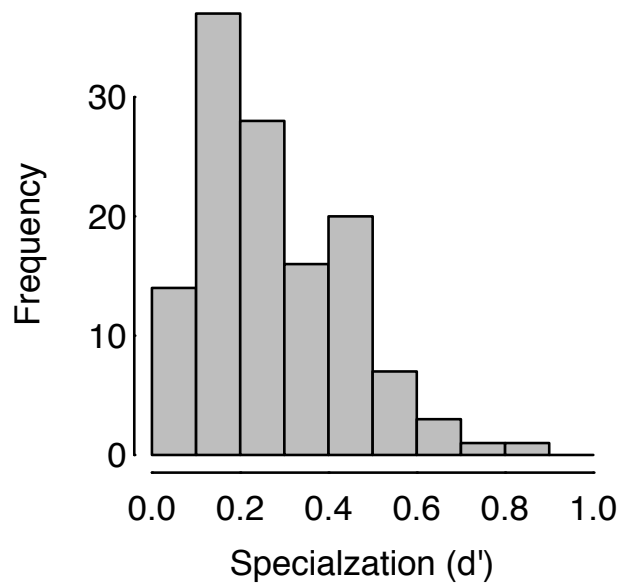


Figure S2: Distribution of specialization values, d' , for each pollinator species in our dataset (See Blüthgen et al., 2006, for details about how d' is calculated). This metric measures the deviation of the observed interaction frequency from a null model in which all partners interact in proportion to their abundances. It ranges from 0 for generalist species to 1 for specialist species.

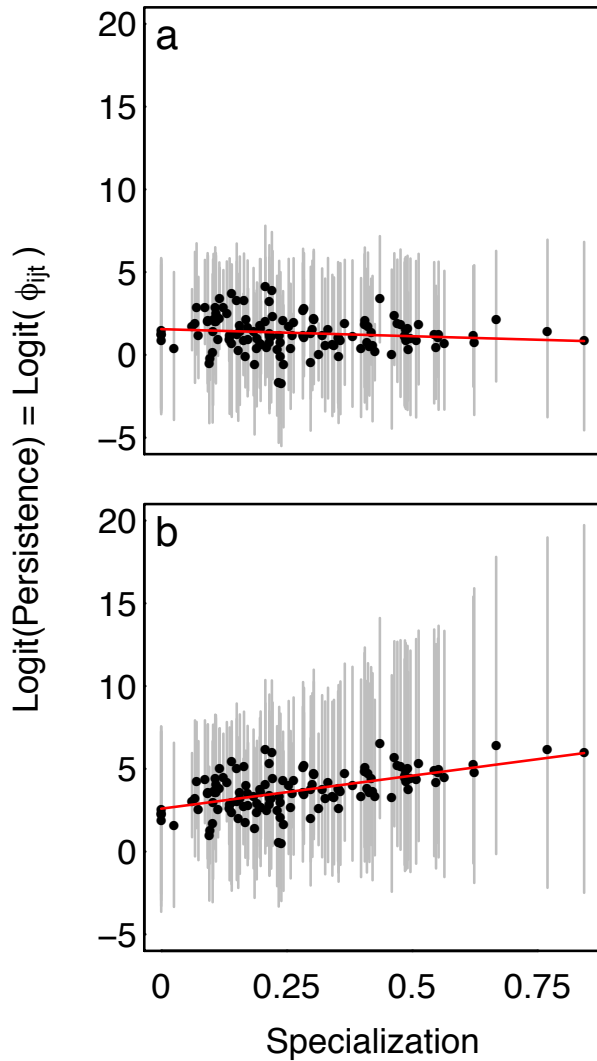


Figure S3: Species-specific estimates of between season rates of persistence for non-restored sites (a) and for sites at five years post-restoration (b) as a function of those species' specialization levels. The vertical axes are shown on a logit scale for consistency with the presentation of the model in Eq. 2 in the main text (i.e., so that the plotted relationships are linear). Points show means of the posterior distribution across all years post-restoration and vertical bars denote species-specific 95% credible intervals.

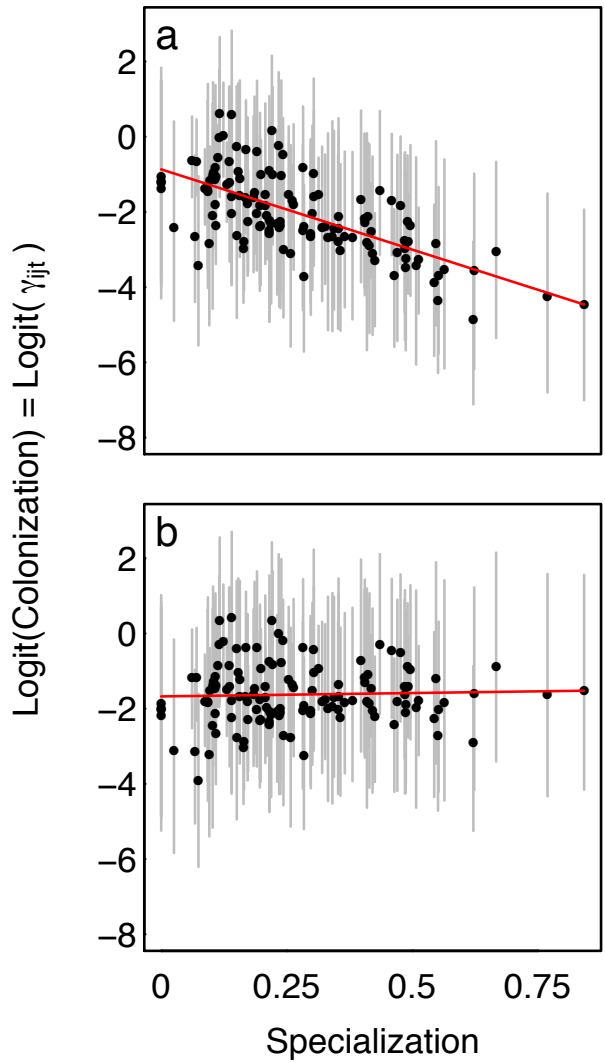


Figure S4: Species-specific estimates of between season rates of colonization for non-restored sites (a) and for sites at five years post-restoration (b) as a function of those species' specialization levels. The vertical axes are shown on a logit scale for consistency with the presentation of the model in Eq. 2 in the main text (i.e., so that the plotted relationships are linear). Points show means of the posterior distribution across all years post-restoration and vertical bars denote species-specific 95% credible intervals.