Supplementary material

Table S1

Model structure was: response ~ log10(first_julian) + log10(days) + (1 | pi/.id) + Family random effect.

Plants

Model	Family random effect	z		c		d'		ia	
		df	**AIC**	**df**	**AIC**	**df**	**AIC**	**df**	**AIC**
1	(1 | FamilyName)	7	1848.628	6	606.699	6	750.7722	7	517.8107
2	(0 + log10(days) | FamilyName)	7	1848.566	**6**	**606.699**	**6**	**748.7950**	7	530.1231
3	(0 + log10(first_julian) | FamilyName)	7	1849.441	6	606.699	6	751.2407	7	517.7547
4	(1 + log10(days) | FamilyName)	9	1847.378	8	610.699	8	752.1878	**9**	**505.4113**
5	(1 + log10(first_julian) | FamilyName)	**9**	**1845.088**	8	610.699	8	755.2375	9	520.9011

Pollinators

Model	Family random effect	z		c		d'		ia	
		df	**AIC**	**df**	**AIC**	**df**	**AIC**	**df**	**AIC**
1	(1 | FamilyName)	7	2027.596	6	1099.950	6	1332.472	7	1105.336
2	(0 + log10(days) | FamilyName)	**7**	**1996.510**	6	1099.950	**6**	**1332.472**	**7**	**1072.677**
3	(0 + log10(first_julian) | FamilyName)	7	2030.213	6	1099.950	6	1332.472	7	1108.556
4	(1 + log10(days) | FamilyName)	9	1998.208	**8**	**1089.255**	8	1336.472	9	1076.677
5	(1 + log10(first_julian) | FamilyName)	9	2017.617	8	1103.950	8	1336.472	9	1090.839