

Families	Species	Presence of nectar	Sugar mass (µg/flower/day)	Sugar concentration ("Brix)	Pollen production (grains/flower)	Pollen volume per flower (mm³)	Flower size (mm)	Floral display size	Symmetry	Spectral purity	Green contrast	Brightness contrast	Reflectance amplitude	Chromatic contrast	X coordinate	Y coordinate	Bee colour	Human colour
Amaryllidaceae	<i>Allium roseum</i>	YES	365.00*	10.60*	30960	0.67	21.5	Radial	1.4401	0.2371	0.5716	0.2920	0.2493	0.1803	0.1722	BG	White	
Amaryllidaceae	<i>Leucojum autumnale</i>	NO	0.00*				19.0	Radial	1.2017	0.3032	0.9322	0.4232	0.0897	0.0347	0.0827	B	White	
Amaryllidaceae	<i>Leucojum trichophyllum</i>	NO	0.00		119083	0.25	30.0	Radial	1.3638	0.3228	0.8624	0.4634	0.1773	0.1306	0.1199	BG	White	
Asparagaceae	<i>Dipcadi serotinum</i>	YES	35.60	17.43	4472	0.23	27.0	Radial	1.5147	0.0029	0.1828	0.1293	0.0879	-0.0811	0.0338	UVB	Brown	
Asparagaceae	<i>Drimia maritima</i>	YES	85.30	29.04	60636	1.93	21.0	Radial	1.2583	0.1970	0.6822	0.2470	0.1020	0.0060	0.1018	B	White	
Asparagaceae	<i>Ornithogalum orthopyllum</i>	YES	52.77	25.00	38288	1.99	36.0	Radial	1.2819	0.2990	0.9579	0.4178	0.0747	0.0078	0.0743	B	White	
Asparagaceae	<i>Scilla autumnalis</i>	NO	0.00*				9.0	Radial	1.8492	0.0120	0.1037	0.1245	0.2139	0.0407	0.2100	B	Purple	
Asphodelaceae	<i>Asphodelus fistulosus</i>	YES	2.21	24.00	2488	0.61	18.0	Radial	1.3574	0.2695	0.7537	0.3483	0.1672	0.1063	0.1291	BG	White	
Asphodelaceae	<i>Asphodelus ramosus</i>	YES	1214.00*	12.80*			38.0	Radial	1.2944	0.2318	0.8181	0.2898	0.0809	-0.0267	0.0764	B	White	
Asteraceae	<i>Ditrichia viscosa</i>	YES	116.00*	44.00*	81740*	0.60*	9.8	101	Radial	1.7260	0.2337	0.4306	0.3127	0.3254	-0.0308	-0.3240	UVG	Yellow
Asteraceae	<i>Galactites tomentosa</i>	YES	0.01*				0.60	Radial	2.0829	0.0429	0.1559	0.1658	0.2877	0.1320	0.2556	B	Pink	
Asteraceae	<i>Scolymus hispanicus</i>	YES	0.01*				0.60	20.5	Radial	1.7208	0.1770	0.4048	0.2803	0.3188	-0.1016	-0.3021	UVG	Yellow
Boraginaceae	<i>Anchusa azurea</i>	YES	930.00*	21.82*	24360*	0.46*	13.0	1034	Radial	2.3962	0.0985	0.2992	0.1278	0.3012	-0.2337	0.1900	UVB	Blue
Boraginaceae	<i>Anchusa calcarea</i>	YES	408.00*	17.51*	25370*	0.60*	9.0	127	Radial	1.9466	0.0510	0.5149	0.1836	0.2119	-0.1018	0.1858	B	Blue
Boraginaceae	<i>Borage officinalis</i>	YES	2100.00*				27.5	Radial	2.4875	0.0907	0.3623	0.1358	0.3211	-0.2502	0.2013	UVB	Blue	
Boraginaceae	<i>Cerinthe gymnantha</i>	YES	425.99	22.11	295080	0.45	7.5	Radial	1.3157	0.2397	0.5623	0.2768	0.1928	0.1560	0.1133	BG	Yellow	
Boraginaceae	<i>Cerinthe major</i>	YES	1630.15	28.73	649680	0.72	7.5	Radial	2.2870	0.1767	0.0716	0.1009	0.3172	-0.3106	0.0643	UVB	Purple	
Boraginaceae	<i>Cynoglossum creticum</i>	YES	300.00*		359625	0.16	8.5	Radial	1.4875	0.1092	0.7129	0.2352	0.1939	-0.1775	0.0781	UVB	Blue	
Boraginaceae	<i>Echium gaditanum</i>	YES	218.00	11.73	194825	0.18	16.0	582	Bilateral	1.4176	0.0121	0.5689	0.1763	0.2670	-0.2399	0.1174	UVB	Purple
Boraginaceae	<i>Echium plantagineum</i>	YES	230.00	11.43	382229	0.57	25.0	61	Bilateral	2.8940	0.2485	0.1452	0.0719	0.3042	-0.2843	0.1084	UVB	Blue
Boraginaceae	<i>Heliotropium europaeum</i>	YES	15.00*	14.90*			2.8	Radial	1.3041	0.2733	0.7470	0.3433	0.1545	0.1067	0.1117	BG	White	
Brassicaceae	<i>Diplataxis erucoides</i>	NO	0.00		112887	0.80	20.0	Radial	1.4353	0.3304	0.7738	0.4689	0.2527	0.2083	0.1431	BG	White	
Brassicaceae	<i>Diplataxis virgata</i>	NO	0.00		64980	0.46	15.0	Radial	1.4391	0.2989	0.8109	0.4637	0.2101	-0.0657	-0.1995	UVG	Yellow	
Brassicaceae	<i>Raphanus raphanistrum</i>	NO	0.00		97800	0.54	40.0	Radial	0.6011	0.3254	1.1159	0.6168	0.0898	-0.0887	-0.0139	UV	Yellow	
Campanulaceae	<i>Campanula erinus</i>	YES	0.01*		3410*	0.02*	1.5	Radial	1.2837	0.2432	0.6813	0.2993	0.1556	0.0978	0.1210	BG	Purple	
Campanulaceae	<i>Campanula lusitanica</i>	YES	0.04*		80340*	0.55*	16.0	Radial	2.0600	0.0812	0.5409	0.1940	0.3965	-0.3682	0.1472	UVB	Purple	
Campanulaceae	<i>Campanula rapunculus</i>	YES	200.00*				17.0	Radial	1.5386	0.2130	0.9650	0.3861	0.1633	-0.1444	0.0762	UVB	Purple	
Caprifoliaceae	<i>Fedde cornucopiae</i>	YES	0.01*		2303	0.14	12.0	Bilateral	1.5656	0.1034	0.5534	0.2287	0.1563	-0.0564	0.1457	B	Purple	
Caprifoliaceae	<i>Lonicera implexa</i>	YES	587.00*	24.08*	10185*	1.04*	35.0	40	Bilateral	1.5480	0.2115	0.4368	0.2578	0.2125	0.1798	0.1134	BG	White
Caryophyllaceae	<i>Silene colorata</i>	YES	1016.83*	31.31*	14023*	0.92*	17.0	Radial	1.6100	0.1772	0.6753	0.2918	0.1477	0.0022	0.1476	B	Pink	
Cistaceae	<i>Cistus albidus</i>	YES	302.00*	78.92*	233470*	7.42*	45.0	18	Radial	1.7294	0.1432	0.6491	0.2796	0.1645	-0.0338	0.1610	B	Pink
Cistaceae	<i>Cistus crispus</i>	YES	388.00*	96.62*	170164*	3.30*	32.0	47	Radial	1.7931	0.0072	0.6250	0.2453	0.3063	-0.2873	0.1062	UVB	Pink
Cistaceae	<i>Cistus ladanifer</i>	YES	1702.00*	90.30*	564623*	30.01*	95.0	18	Radial	1.4366	0.2747	0.5412	0.3285	0.3138	0.2626	0.1718	BG	White
Cistaceae	<i>Cistus libanotis</i>	YES	18.00*		43266*	2.40*	27.0	118	Radial	1.4442	0.2747	0.5372	0.3288	0.3214	0.2681	0.1773	BG	White
Cistaceae	<i>Cistus monspeliensis</i>	YES	476.00*	103.30*	33418*	1.36*	28.0	69	Radial	1.4427	0.2890	0.5891	0.3561	0.2972	0.2518	0.1578	BG	White
Cistaceae	<i>Cistus salvifolius</i>	YES	420.00*	105.00*	57258*	2.56*	43.0	44	Radial	1.4381	0.2987	0.6372	0.3837	0.2892	0.2415	0.1591	BG	White
Cistaceae	<i>Halimium calycinum</i>	NO	0.00*		24849*	2.48*	23.0	152	Radial	1.1835	0.2907	0.9021	0.4485	0.1485	-0.0869	-0.1205	UV	Yellow
Cistaceae	<i>Halimium halimifolium</i>	NO	0.00*		44051*	1.61*	18.0	136	Radial	1.4908	0.2108	0.5291	0.2965	0.2790	-0.0924	-0.2633	UVG	Yellow
Cistaceae	<i>Tuberaria guttata</i>	NO	0.00*				12.0	Radial	1.5178	0.1889	0.4461	0.2619	0.2990	-0.0943	-0.2837	UVG	Yellow	
Convolvulaceae	<i>Convolvulus althaeoides</i>	YES	800.00*				35.0	Radial	1.4206	0.2775	0.9427	0.4468	0.0987	-0.0667	0.0985	B	Pink	
Convolvulaceae	<i>Convolvulus arvensis</i>	YES	240.93	22.24	13700	1.23	21.5	Radial	1.4461	0.3497	0.8869	0.5408	0.2063	0.1652	0.1236	BG	White	
Cucurbitaceae	<i>Bryonia cretica</i>	NO	0.00*		29435	1.51	9.0	Radial	0.8085	0.1944	0.7125	0.2529	0.0737	-0.0737	0.0019	UVB	White	
Cytinaceae	<i>Cytinus hypocistis</i>	YES	67.00*				16.0	10	Radial	1.3026	0.2445	0.5937	0.2886	0.0709	0.0663	-0.0252	G	Yellow
Ericaceae	<i>Erica arborea</i>	YES	46.00*	10.79*			2.8	Radial	1.1514	0.2688	0.8212	0.3444	0.1007	0.0439	0.0907	B	White	
Ericaceae	<i>Erica umbellata</i>	YES	36.00*	14.35*	5481*	0.26*	4.3	2380	Radial	1.8675	0.0988	0.5467	0.2500	0.1808	-0.0431	0.1756	B	Pink
Fabaceae	<i>Anthyllis cytisoides</i>	YES	122.00*	17.61*	3569*	0.04*	11.5	765	Bilateral	1.2884	0.2104	0.5928	0.2733	0.1517	-0.0586	-0.1399	UVG	Yellow
Fabaceae	<i>Bituminaria bituminosa</i>	YES	277.00*	21.30*			15.0	Bilateral	2.4117	0.0343	0.2611	0.1645	0.2116	0.0296	0.2095	B	Purple	
Fabaceae	<i>Coronilla juncea</i>	NO	0.00*		38280*	0.07	7.3	434	Bilateral	1.8433	0.2252	0.3005	0.2899	0.2620	0.0710	-0.2522	UVG	Yellow
Fabaceae	<i>Cytisus grandiflorus</i>	NO	0.00*		72889*	0.40	20.5	538	Bilateral	1.6835	0.2042	0.4206	0.2669	0.2475	-0.0310	-0.2455	UVG	Yellow
Fabaceae	<i>Erophaca baetica</i>	YES	3008.00*	21.80*	306300*	0.78	31.5	Bilateral	1.3892	0.2691	0.5872	0.3142	0.2303	0.1965	0.1200	BG	White	
Fabaceae	<i>Genista hirsuta</i>	NO	0.00*		4248*	0.07*	10.5	1608	Bilateral	1.8665	0.2310	0.4302	0.3216	0.2871	-0.0138	-0.2867	UVG	Yellow
Fabaceae	<i>Genista triacanthos</i>	NO	0.00*		3823*	0.02	5.3	7783	Bilateral	2.0306	0.2043	0.1539	0.2793	0.3459	0.0694	-0.3389	UVG	Yellow
Fabaceae	<i>Lupinus angustifolius</i>	NO	0.00		22018	0.29	13.0	Bilateral	1.4827	0.1278	0.5489	0.1902	0.1474	-0.0106	0.1471	B	Blue	
Fabaceae	<i>Lupinus luteus</i>	NO	0.00		15075	0.23	13.5	Bilateral	2.3271	0.1236	0.5999	0.1708	0.4864	0.4347	-0.2182	G	White	
Fabaceae	<i>Ononis baetica</i>	NO	0.00*		49600*	0.06*	13.5	Bilateral	2.1754	0.0978	0.2502	0.2070	0.2864	0.1616	0.2364	BG	Pink	
Fabaceae	<i>Ononis pinnata</i>	NO	0.00*				17.0	Bilateral	2.2627	0.0639	0.4145	0.2306	0.1703	-0.0321	0.1673	B	Pink	
Fabaceae	<i>Ononis viscosa</i>	NO	0.00				12.0	Bilateral	1.6528	0.2312	0.4915	0.3004	0.2562	-0.0303	-0.2544	UVG	Yellow	
Fabaceae	<i>Ornithopus sativus</i>	YES	44.00*	24.89*		0.002*	6.0	12065	Bilateral	1.7362	0.1124	0.1135	0.1655	0.2258	0.1897	-0.1224	G	Yellow
Fabaceae	<i>Retama sphaerocarpa</i>	YES	0.01*		34448*	0.002*	6.0	12065	Bilateral	1.7362	0.1124	0.1135	0.1655	0.2258	0.1897	-0.1224	G	Yellow
Fabaceae	<i>Scorpiurus salsatus</i>	YES	1.65	20.56	44913	0.07	6.5	Bilateral	2.2581	0.1837	0.2633	0.2445	0.4088	0.3358	-0.2331	G	Yellow	
Fabaceae	<i>Stauracanthus genitooides</i>	NO	0.00*		8085*	0.05*	10.0	47	Bilateral	1.7066	0.2179	0.3676	0.2839	0.2339	0.031			

Families	Species	Presence of nectar	Sugar mass (µg/flower/day)	Sugar concentration (°Brix)	Pollen production (grains/flower)	Pollen volume per flower (mm³)	Flower size (mm)	Floral display	Symmetry	Spectral purity	Green contrast	Brightness contrast	Reflectance amplitude	Chromatic contrast	X coordinate	Y coordinate	Bee colour	Human colour
Lamiaceae	<i>Lavandula stoechas</i>	YES	205.00*	19.47*	3396*	0.04*	7.5	725	Bilateral	2.1628	0.0023	0.3845	0.1591	0.2033	-0.1261	0.1595	UVB	Purple
Lamiaceae	<i>Phlomis purpurea</i>	YES	1939.01	38.20	46086	0.06	26.5	12	Bilateral	1.3442	0.2488	0.6814	0.3200	0.1592	0.1061	0.1187	BG	Purple
Lamiaceae	<i>Rosmarinus officinalis</i>	YES	285.00*	19.44*	5492*	0.14*	10.8	620	Bilateral	1.4628	0.1963	0.6280	0.2633	0.1375	0.0511	0.1276	B	Purple
Lamiaceae	<i>Salvia verbenaca</i>	YES	170.05	18.90	4973	0.14	13.5		Bilateral	2.1039	0.0058	0.2611	0.1396	0.1793	-0.0397	0.1748	B	Purple
Lamiaceae	<i>Stachys ocymastrum</i>	YES	311.60	22.14	36720	0.15	14.5		Bilateral	1.4870	0.2926	0.5286	0.3554	0.2816	0.2618	0.1038	BG	White
Lamiaceae	<i>Teucrium capitatum</i>	YES	87.00*	30.09*	7792*	0.06*	4.5	914	Bilateral	1.3182	0.2869	0.7364	0.3593	0.1883	0.1428	0.1227	BG	White
Lamiaceae	<i>Teucrium fruticans</i>	YES	656.00*	21.48*	10144*	0.16*	26.5	406	Bilateral	1.7289	0.1809	0.6595	0.2837	0.1472	0.0170	0.1462	B	Purple
Lamiaceae	<i>Thymus mastichina</i>	YES	19.00*	15.59*	2338*	0.03*		412	Bilateral	1.3099	0.2796	0.6756	0.3444	0.2010	0.1626	0.1182	BG	White
Myrtaceae	<i>Myrtus communis</i>	NO	0.00*		1330295*	2.66*	22.0	832	Radial	1.3766	0.2914	0.7057	0.3716	0.2230	0.1763	0.1365	BG	White
Orchidaceae	<i>Serapias parviflora</i>	YES	166.00*	11.30*	119		18.0	3	Bilateral	2.0071	0.0813	0.0544	0.1083	0.1577	-0.1548	0.0303	UVB	Purple
Orobanchaceae	<i>Bartsia trixago</i>	NO	0.00		34865	0.48	21.0		Bilateral	1.4162	0.3222	0.7414	0.4388	0.2522	0.2105	0.1390	BG	White
Orobanchaceae	<i>Parentucellia viscosa</i>	YES	0.49	25.50	27336	0.38	20.0		Bilateral	2.0090	0.2772	0.0395	0.3300	0.4522	0.4376	-0.1139	G	Yellow
Papaveraceae	<i>Papaver rhoes</i>	NO	0.00*			13.30*	60.0	1	Radial	2.4739	0.1491	0.0428	0.1810	0.3668	-0.3487	-0.1136	UV	Red
Plantaginaceae	<i>Linaria viscosa</i>	YES	154.64	18.66	207080	0.25	27.0		Bilateral	1.9040	0.2425	0.0031	0.2817	0.3624	0.3115	-0.1852	G	Yellow
Plantaginaceae	<i>Misopates orontium</i>	YES	67.68	21.92	51534	0.23	15.5		Bilateral	1.8746	0.0198	0.0309	0.1191	0.1806	0.0778	0.1630	B	Pink
Primulaceae	<i>Anagallis arvensis</i>	NO	0.00*		10913*	0.05*	10.6		Radial	1.9133	0.0129	0.3018	0.2076	0.2793	-0.2582	-0.1064	UV	Red
Primulaceae	<i>Anagallis monelli</i>	NO	0.00*		80920*	0.22*	15.5	233	Radial	1.7161	0.0400	0.5630	0.1672	0.3456	-0.3215	0.1267	UVB	Blue
Ranunculaceae	<i>Clematis flammula</i>	NO	0.00*		239444*	1.10*	22.0	195	Radial	1.3541	0.3411	0.8810	0.5099	0.1814	0.1451	0.1089	BG	White
Ranunculaceae	<i>Ranunculus muricatus</i>				11120	0.38	12.5		Radial	1.7687	0.2674	0.4252	0.3710	0.4129	-0.0205	-0.4124	UVG	Yellow
Ranunculaceae	<i>Ranunculus paludosus</i>				284715	3.98	22.5		Radial	2.1525	0.2187	0.0396	0.3020	0.5002	0.1216	-0.4852	UVG	Yellow
Rhamnaceae	<i>Rhamnus lycioides</i>	NO	0.00*		20668*	0.06*	4.0	7742	Radial	1.9119	0.0298	0.1248	0.0975	0.1121	0.0763	-0.0821	G	Green
Rosaceae	<i>Crataegus monogyna</i>	YES	98.00*	14.05*	24141*	0.07*	13.0	1023	Radial	1.4137	0.3389	0.8175	0.4920	0.2225	0.1858	0.1225	BG	White
Rosaceae	<i>Rubus ulmifolius</i>	YES	173.00*	17.68*	641366*	3.21*	23.0	20	Radial	1.5318	0.2495	0.7378	0.3579	0.1623	0.0858	0.1377	BG	Pink
Scrophulariaceae	<i>Scrophularia frutescens</i>	YES	106.00*	12.59*	22984*	0.14*	4.5	939	Bilateral	3.9503	0.2164	0.2976	0.0912	0.1817	-0.1750	0.0487	UVB	Purple
Smilacaceae	<i>Smilax aspera</i>	YES	0.01*		19224*	0.08*	6.0	123	Radial	1.5775	0.0260	0.1310	0.1077	0.2258	0.1907	0.1209	BG	White
Solanaceae	<i>Solanum nigrum</i>				55775*	0.50*	6.5		Radial	1.2527	0.2578	0.6527	0.3110	0.1884	0.1415	0.1244	BG	White
Tamaricaceae	<i>Tamarix gallica</i>	YES	0.01*		9570*	0.04*	3.8		Radial	1.3449	0.0372	0.1045	0.1292	0.1889	0.0976	0.1618	BG	White
Thymelaeaceae	<i>Daphne gnidium</i>	YES	25.00*	29.59*	3276*	0.02*	5.5	997	Radial	1.4194	0.1910	0.3519	0.2147	0.1812	0.1676	0.0690	BG	White
Verbenaceae	<i>Verbena officinalis</i>				2268*	0.02*	5.5	4	Bilateral	1.7168	0.1121	0.3882	0.1894	0.1876	0.0705	0.1739	B	Pink

* Data from bibliographic sources.

For Asteraceae floral traits, values refer to heads.