

**UK Summary of changes Table 2018.** Summary of species abundance changes in the UK from 2017 to 2018 and long-term (over the entire time series; no. yrs max = 43) and short-term (last 10-years) changes. Significance of trends: \* P < 0.05 (significant), \*\* P < 0.01 (highly significant), \*\*\*P < 0.001 (very highly significant). Red text has been used to highlight those species that had their worst year of the series in 2018, and blue text for those species that had their best year of the series in 2018.

Species	Start Year	No. years with Index in 2018	No. sites monitored in 2018	2018 rank	% change 2017-2018	Series trend (%)	10-year trend (%)	Mean flight date 2018	Series mean flight date
Swallowtail	1976	42	25	34	-52	37	-49	21-Jun	05-Jul
Dingy Skipper	1976	43	607	28	10	-22	-18	29-May	31-May
Grizzled Skipper	1976	43	374	36	33	-55***	-52*	25-May	27-May
Chequered Skipper	2003	16	40	9	-29	-32	-35	27-May	03-Jun
Essex Skipper	1977	42	1020	40	-32	-90***	33	09-Jul	24-Jul
Small Skipper	1976	43	1844	39	-24	-76***	23	06-Jul	20-Jul
Lulworth Skipper	1992	27	23	22	15	-79***	125	11-Jul	28-Jul
Silver-spotted Skipper	1979	40	72	8	87	555***	21	07-Aug	15-Aug
Large Skipper	1976	43	1868	32	7	-27	-18	26-Jun	05-Jul
Wood White	1979	40	69	12	62	-86***	29	28-Jun	17-Jun
Cryptic Wood White	N/A	N/A	15	N/A	N/A	N/A	N/A	07-Jun	03-Jun
Orange-tip	1976	43	1783	8	-7	17	1	12-May	16-May
Large White	1976	43	2442	7	118	-33	-20	12-Jul	21-Jul
Small White	1976	43	2447	7	155	-25	-3	14-Jul	21-Jul
Green-veined White	1976	43	2413	7	63	-12	-27	29-Jun	07-Jul
Clouded Yellow	1979	40	968	19	4	274	102	12-Aug	08-Aug
Brimstone	1976	43	1750	7	5	15	69	23-May	07-Jun
Wall	1976	43	775	33	79	-88***	-20	24-Jul	27-Jul
Speckled Wood	1976	43	2301	3	26	67**	-4	20-Jul	26-Jul
Large Heath	1990	29	41	5	162	439***	-81*	30-Jun	05-Jul
Small Heath	1976	43	1659	13	52	-54***	-9	13-Jul	09-Jul
Mountain Ringlet	N/A	N/A	6	N/A	N/A	N/A	N/A	05-Jul	12-Jul
Scotch Argus	1979	40	41	29	26	82	-51*	01-Aug	07-Aug
Ringlet	1976	43	2265	5	-17	307***	18	05-Jul	14-Jul
Meadow Brown	1976	43	2461	22	-16	-3	34	08-Jul	20-Jul
Gatekeeper	1976	43	2116	38	-20	-46**	-6	19-Jul	31-Jul
Marbled White	1976	43	1190	17	-7	51*	111**	04-Jul	14-Jul
Grayling	1976	43	333	39	57	-73***	-67**	27-Jul	04-Aug
Pearl-bordered Fritillary	1976	43	202	40	-17	-78***	-41	30-May	31-May
Small Pearl-bordered Fritillary	1976	43	237	36	3	-70***	-37*	15-Jun	24-Jun
Silver-washed Fritillary	1976	43	936	5	-9	127***	22	14-Jul	26-Jul
Dark Green Fritillary	1976	43	680	13	15	163***	-32	11-Jul	21-Jul
High Brown Fritillary	1978	41	71	20	21	-67**	271*	10-Jul	15-Jul
White Admiral	1976	43	377	26	13	-70***	-39	01-Jul	15-Jul
Purple Emperor	1979	40	107	7	70	68	-31	08-Jul	20-Jul
Red Admiral	1976	43	2371	30	-75	212**	45	20-Jul	05-Aug
Painted Lady	1976	43	1922	26	-16	46	-72	19-Jul	29-Jul
Peacock	1976	43	2335	41	-25	-5	-34	07-Jun	29-Jun
Small Tortoiseshell	1976	43	2309	41	-38	-78***	-22	12-Jun	08-Jul
Comma	1976	43	2106	17	-33	130***	-17	06-Jul	20-Jul
Marsh Fritillary	1981	38	181	16	39	-13	7	31-May	05-Jun
Glanville Fritillary	1989	30	11	9	32	-10	74	09-Jun	08-Jun
Heath Fritillary	1981	38	46	27	161	-91***	-39	23-Jun	01-Jul
Duke of Burgundy	1979	40	121	19	65	-40**	4	25-May	28-May
Small Copper	1976	43	1946	15	77	-42*	-38	08-Aug	31-Jul
Brown Hairstreak	1983	36	177	33	-5	-37	-48*	26-Aug	25-Aug
Purple Hairstreak	1976	43	648	4	184	-56*	43	15-Jul	30-Jul
Green Hairstreak	1976	43	710	24	46	-45**	-30	21-May	27-May
White-letter Hairstreak	1976	43	291	30	47	-92***	-40	07-Jul	24-Jul
Black Hairstreak	1995	24	13	1	926	188	402	14-Jun	27-Jun
Small Blue	1978	41	295	30	-22	-21	-42	23-Jun	30-Jun
Holly Blue	1976	43	1818	9	55	40	127	29-Jun	29-Jun
Large Blue	1983	36	28	1	58	>1000***	294**	21-Jun	26-Jun
Silver-studded Blue	1979	40	117	4	41	47	44	01-Jul	14-Jul
Brown Argus	1976	43	1097	3	152	-15	25	30-Jul	31-Jul
Northern Brown Argus	1979	40	62	33	21	-61**	-13	29-Jun	11-Jul
Common Blue	1976	43	2159	4	104	-16	-3	20-Jul	23-Jul
Adonis Blue	1979	40	161	11	58	136*	-51	25-Jul	26-Jul
Chalk Hill Blue	1976	43	290	35	1	-12	-45	30-Jul	08-Aug