

UK Summary of changes Table 2021. Summary of species abundance changes in the UK from 2020 to 2021 and long-term (over the entire time series; no. yrs max = 46) 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 2021, and blue text for those species that had their best year of the series in 2021.

Species	Start Year	No. years with Index in 2021	No. sites monitored in 2021	2021 rank	% change 2020-2021	Series trend (%)	10-year trend (%)
Swallowtail	1976	45	25	28	-19	25	41
Dingy Skipper	1976	46	671	16	-13	-6	6
Grizzled Skipper	1976	46	411	31	-17	-46***	0
Chequered Skipper	N/A	N/A	5	N/A	N/A	N/A	N/A
Essex Skipper	1977	45	1112	29	3	-21	17
Small Skipper	1976	46	2010	37	-11	-73***	-13
Lulworth Skipper	1992	30	23	20	-13	-75**	-19
Silver-spotted Skipper	1979	43	74	16	-40	612***	36
Large Skipper	1976	46	2011	42	-29	-25	7
Wood White	1979	43	78	24	-16	-82***	167*
Cryptic Wood White	2009	13	15	11	-47	25	3
Orange-tip	1976	46	1949	11	-9	38**	42
Large White	1976	46	2571	37	-34	-31	47
Small White	1976	46	2585	20	-34	-15	91
Green-veined White	1976	46	2500	43	-27	-18	-11
Clouded Yellow	1979	43	945	23	-64	597*	5
Brimstone	1976	46	1913	10	-5	32*	66
Wall	1976	46	796	36	20	-87***	5
Speckled Wood	1976	46	2406	23	7	100***	8
Large Heath	1990	32	42	5	23	445***	38
Small Heath	1976	46	1831	23	-17	-45**	74
Mountain Ringlet	N/A	N/A	5	N/A	N/A	N/A	N/A
Scotch Argus	1979	43	38	32	-16	55	-50
Ringlet	1976	46	2434	21	-2	335***	-13
Meadow Brown	1976	46	2606	25	-17	1	17
Gatekeeper	1976	46	2246	37	-11	-43**	36
Marbled White	1976	46	1385	7	-7	79**	55
Grayling	1976	46	341	37	0	-71***	-14
Pearl-bordered Fritillary	1976	46	159	36	-13	-66***	8
Small Pearl-bordered Fritillary	1976	46	214	36	17	-68***	-16
Silver-washed Fritillary	1976	46	1044	9	3	268***	38
Dark Green Fritillary	1976	46	788	2	7	279***	52
High Brown Fritillary	1978	44	56	27	-13	-64**	171
White Admiral	1976	46	408	44	-24	-62***	4
Purple Emperor	1979	43	124	9	45	136**	9
Red Admiral	1976	46	2563	5	29	279***	149
Painted Lady	1976	46	2285	17	378	103	509
Peacock	1976	46	2530	21	-30	7	12
Small Tortoiseshell	1976	46	2470	36	-30	-79***	-27
Comma	1976	46	2236	30	-18	185***	4
Marsh Fritillary	1981	41	205	24	24	-1	58
Glanville Fritillary	1989	33	15	2	104	115	1809*
Heath Fritillary	1981	41	42	32	14	-91***	112*
Duke of Burgundy	1979	43	108	30	-34	-35*	38
Small Copper	1976	46	2109	32	-18	-38*	48
Brown Hairstreak	1983	39	171	3	91	-3	31
Purple Hairstreak	1976	46	697	30	-43	-27	142
Green Hairstreak	1976	46	756	40	-39	-31*	128
White-letter Hairstreak	1976	46	337	27	-18	-78***	197*
Black Hairstreak	1995	27	14	3	62	500**	4908**
Small Blue	1978	44	331	17	-15	18	97*
Holly Blue	1976	46	1911	28	-50	124	138
Large Blue	N/A	N/A	4	N/A	N/A	N/A	N/A
Silver-studded Blue	1979	43	130	4	2	70*	176***
Brown Argus	1976	46	1186	27	3	23	118
Northern Brown Argus	1979	43	67	23	-4	-55**	40
Common Blue	1976	46	2253	39	-9	-20	31
Adonis Blue	1979	43	191	18	62	114*	-43
Chalk Hill Blue	1976	46	303	3	48	1	-24