

UK Summary of changes Table 2024. Summary of species abundance changes in the UK from 2023 to 2024 and long-term (over the entire time series; no. yrs max = 49) 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 2024, and blue text for those species that had their best year of the series in 2024.

Species	Start Year	No. years with Index in 2024	No. sites monitored in 2024	2024 rank	% change 2023-2024	Series trend (%)	10-year trend (%)
Swallowtail	1976	48	32	40	18	-5	11
Dingy Skipper	1976	49	764	48	-27	-10	-26
Grizzled Skipper	1976	49	440	49	-20	-49***	-5
Chequered Skipper	2003	22	13	7	-54	123*	283*
Essex Skipper	1977	48	1314	40	-46	-27	-30
Small Skipper	1976	49	2386	49	-55	-73***	-33
Lulworth Skipper	1992	33	25	10	-36	-59*	213
Silver-spotted Skipper	1979	46	71	40	-58	364***	-59
Large Skipper	1976	49	2385	49	-40	-30*	-37*
Wood White	1979	46	75	39	-42	-80***	8
Cryptic Wood White	2009	16	20	16	-45	-27	-67**
Orange-tip	1976	49	2389	11	4	42**	6
Large White	1976	49	3083	45	-32	-34*	-19
Small White	1976	49	3098	46	-43	-18	-1
Green-veined White	1976	49	2920	49	-21	-28*	-37
Clouded Yellow	1979	46	1017	40	-80	341	-79
Brimstone	1976	49	2374	4	-28	47**	20
Wall	1976	49	947	41	-2	-84***	46
Speckled Wood	1976	49	2960	30	-21	88***	-7
Large Heath	1990	35	41	20	-41	332***	55
Small Heath	1976	49	2190	35	-15	-43**	31
Mountain Ringlet	N/A	N/A	2	N/A	N/A	N/A	N/A
Scotch Argus	1979	46	29	44	-24	4	-57*
Ringlet	1976	49	2843	35	0	273***	-43*
Meadow Brown	1976	49	3130	31	-33	1	5
Gatekeeper	1976	49	2744	36	-40	-38**	32
Marbled White	1976	49	1696	25	-38	81***	-10
Grayling	1976	49	372	46	-15	-72***	23
Pearl-bordered Fritillary	1976	49	192	48	-22	-70***	-23
Small Pearl-bordered Fritillary	1976	49	231	49	-26	-72***	-40*
Silver-washed Fritillary	1976	49	1218	40	-60	230***	-44
Dark Green Fritillary	1976	49	870	41	-55	249***	-11
High Brown Fritillary	1978	47	61	43	-68	-64**	-21
White Admiral	1976	49	440	48	-44	-62***	-2
Purple Emperor	1979	46	150	19	-11	125**	25
Red Admiral	1976	49	3068	18	-70	311***	70
Painted Lady	1976	49	2518	39	-46	66	-54
Peacock	1976	49	3020	38	-29	2	11
Small Tortoiseshell	1976	49	2768	49	-64	-86***	-76*
Comma	1976	49	2682	36	-53	171***	-8
Marsh Fritillary	1981	44	213	15	-24	3	43
Glanville Fritillary	1989	36	16	3	32	190	6
Heath Fritillary	1981	44	44	37	-61	-89***	177*
Duke of Burgundy	1979	46	117	19	-4	-35*	21
Small Copper	1976	49	2472	49	-52	-44**	-5
Brown Hairstreak	1983	42	230	17	26	-9	13
Purple Hairstreak	1976	49	837	40	-45	-21	4
Green Hairstreak	1976	49	879	39	14	-34**	6
White-letter Hairstreak	1976	49	376	46	-42	-80***	-13
Black Hairstreak	1995	30	18	4	-7	647**	150
Small Blue	1978	47	408	35	-39	27	17
Holly Blue	1976	49	2438	24	-69	174*	24
Large Blue	1983	42	19	9	-41	2356***	29
Silver-studded Blue	1979	46	156	27	-22	69*	26
Brown Argus	1976	49	1508	41	-75	24	11
Northern Brown Argus	1979	46	67	32	42	-60***	-13
Common Blue	1976	49	2690	48	-47	-29	-43
Adonis Blue	1979	46	202	44	-57	63	-40
Chalk Hill Blue	1976	49	326	49	-58	-14	-11