

UK Summary of changes Table 2020. Summary of species abundance changes in the UK from 2019 to 2020 and long-term (over the entire time series; no. yrs max = 45) 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 2020, and blue text for those species that had their best year of the series in 2020.

Species	Start Year	No. years with Index in 2020	No. sites monitored in 2020	2020 rank	% change 2019-2020	Series trend (%)	10-year trend (%)
Swallowtail	1976	44	24	16	66	34	-18
Dingy Skipper	1976	45	570	7	20	-11	-12
Grizzled Skipper	1976	45	357	18	21	-47***	-37
Chequered Skipper	2003	18	9	7	-62	9	93
Essex Skipper	1977	44	979	30	-19	-21	54
Small Skipper	1976	45	1707	35	-9	-71***	16
Lulworth Skipper	1992	29	23	17	-9	-76**	17
Silver-spotted Skipper	1979	42	64	3	20	640***	44
Large Skipper	1976	45	1713	24	0	-23	7
Wood White	1979	42	67	17	-2	-83***	117
Cryptic Wood White	2009	12	10	2	26	66	76
Orange-tip	1976	45	1538	6	-34	36*	26
Large White	1976	45	2153	14	29	-30	69
Small White	1976	45	2161	11	23	-16	89
Green-veined White	1976	45	2103	26	17	-13	-7
Clouded Yellow	1979	42	857	13	66	649*	189
Brimstone	1976	45	1615	5	-22	30*	93*
Wall	1976	45	667	39	-10	-87***	13
Speckled Wood	1976	45	2016	26	-16	105***	7
Large Heath	1990	31	35	7	-19	443***	-46
Small Heath	1976	45	1526	12	-5	-46**	38
Mountain Ringlet	N/A	N/A	4	N/A	N/A	N/A	N/A
Scotch Argus	1979	42	35	29	20	66	-54*
Ringlet	1976	45	2011	18	-41	364***	18
Meadow Brown	1976	45	2166	9	-15	2	36
Gatekeeper	1976	45	1923	29	-15	-43**	39
Marbled White	1976	45	1185	5	-28	76**	93*
Grayling	1976	45	297	37	3	-71***	-40
Pearl-bordered Fritillary	1976	45	134	32	-15	-66***	-26
Small Pearl-bordered Fritillary	1976	45	178	43	-19	-68***	-37*
Silver-washed Fritillary	1976	45	892	9	-19	257***	49
Dark Green Fritillary	1976	45	665	2	12	246***	6
High Brown Fritillary	1978	43	54	21	17	-65**	258*
White Admiral	1976	45	353	33	0	-61***	12
Purple Emperor	1979	42	112	17	-21	137**	33
Red Admiral	1976	45	2127	10	-21	254***	53
Painted Lady	1976	45	1957	37	-98	101	601
Peacock	1976	45	2112	7	31	6	39
Small Tortoiseshell	1976	45	2029	29	103	-79***	-18
Comma	1976	45	1918	21	-2	197***	27
Marsh Fritillary	1981	40	184	29	-44	2	72
Glanville Fritillary	1989	32	11	15	-31	23	432
Heath Fritillary	1981	40	36	33	0	-91***	21
Duke of Burgundy	1979	42	96	6	2	-34*	25
Small Copper	1976	45	1762	24	-11	-37*	27
Brown Hairstreak	1983	38	169	19	-4	-4	-36
Purple Hairstreak	1976	45	603	9	38	-27	134
Green Hairstreak	1976	45	661	16	-15	-29	71
White-letter Hairstreak	1976	45	277	22	7	-78***	111
Black Hairstreak	1995	26	12	4	-74	435*	2919*
Small Blue	1978	43	287	8	-8	14	37
Holly Blue	1976	45	1674	10	2	135	171*
Large Blue	1983	38	12	2	0	2191***	330**
Silver-studded Blue	1979	42	119	4	29	55	102*
Brown Argus	1976	45	1042	27	-38	24	97
Northern Brown Argus	1979	42	47	22	4	-56**	14
Common Blue	1976	45	1911	33	-10	-17	39
Adonis Blue	1979	42	169	30	-25	116*	-53
Chalk Hill Blue	1976	45	275	15	32	-5	-49