

UK Summary of changes Table 2013. Summary of species abundance changes in the UK from 2012 to 2013 and long-term (over the entire time series; no. yrs max = 38) 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 2013, and blue text for those species that had their best year of the series in 2013.

Species	Start Year	No. Sites with index (as of 2013)	No. Years with Index in 2013	2013 rank	% change 2012-2013	Series trend (%)	10-year trend (%)
Small Skipper	1976	651	38	30	106	-73***	-31
Essex Skipper	1977	573	37	33	58	-90***	-81**
Lulworth Skipper	1992	14	22	11	162	-82***	-53
Silver-spotted Skipper	1979	37	35	2	140	903***	-23
Large Skipper	1976	1237	38	34	44	-21	-16
Dingy Skipper	1976	259	38	16	-3	-25*	57
Grizzled Skipper	1976	183	38	38	-45	-35*	12
Swallowtail	1980	12	34	9	115	90*	-13
Wood White	1979	44	35	29	26	-86***	-56
Clouded Yellow	1979	703	35	7	4373	5017	-88
Brimstone	1976	1103	38	8	103	-16	-30
Large White	1976	1794	38	4	356	-28	-1
Small White	1976	1805	37	3	388	-20	10
Green-veined White	1976	1759	38	6	171	-11	26
Orange-tip	1976	1118	38	27	-17	0	32
Green Hairstreak	1976	265	38	35	68	-44**	-40
Brown Hairstreak	1983	41	31	29	29	-18	-75***
Purple Hairstreak	1976	409	37	20	102	-59*	-25
White-letter Hairstreak	1976	162	38	36	80	-96***	-74*
Black Hairstreak	1996	10	18	16	600	-52	-89
Small Copper	1976	1320	38	28	20	-34	-19
Small Blue	1978	138	36	25	8	18	-25
Silver-studded Blue	1979	56	35	11	130	13	2
Brown Argus	1976	641	38	23	221	-35	-34
Northern Brown Argus	1979	40	35	31	19	-50*	-9
Common Blue	1976	1448	38	16	191	-25	-27
Chalkhill Blue	1976	171	38	1	78	26	77
Adonis Blue	1979	73	35	6	70	194**	-23
Holly Blue	1976	1125	38	29	-32	17	-60
Large Blue	1983	28	31	10	-42	1704***	-11
Duke of Burgundy	1980	79	34	25	3	-43**	24
White Admiral	1976	186	38	28	64	-58***	-50
Purple Emperor	1979	63	35	8	45	57	-19
Red Admiral	1976	1629	37	30	-65	173**	-14
Painted Lady	1976	1317	37	27	157	43	-89
Small Tortoiseshell	1976	1755	38	23	232	-78***	-28
Peacock	1976	1747	38	5	196	5	-6
Comma	1976	1489	38	10	66	144***	-25
Small Pearl-bordered Fritillary	1976	92	38	25	3	-56***	6
Pearl-bordered Fritillary	1976	88	38	30	-22	-71***	23
High Brown Fritillary	1978	65	36	30	133	-63*	-74*
Dark Green Fritillary	1976	308	38	2	82	176***	30
Silver-washed Fritillary	1976	373	38	3	105	128***	-3
Marsh Fritillary	1981	75	33	24	133	-10	-66
Glanville Fritillary	1992	7	22	19	-82	-50	1076
Heath Fritillary	1981	27	33	32	10	-85***	-82***
Speckled Wood	1976	1627	38	7	69	90***	-9
Wall Brown	1976	555	38	32	108	-86***	-56
Scotch Argus	1979	47	35	10	-21	176***	40
Marbled White	1976	788	37	13	48	25	-16
Grayling	1976	143	38	25	47	-59***	25
Gatekeeper	1976	1544	36	32	30	-43**	-67***
Meadow Brown	1976	1831	38	18	2	2	-25
Small Heath	1976	1100	37	23	22	-55***	0
Large Heath	1990	9	24	22	-37	186**	-60
Ringlet	1976	1614	37	2	56	352***	38