

UK Summary of changes Table 2012. Summary of species abundance changes in the UK from 2011 to 2012 and long-term (over the entire time series; no. yrs max = 37) 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 2012, and blue text for those species that had their best year of the series in 2012.

Species	Start Year	No. Sites with Index (as of 2012)	No. Years with Index in 2012	2012 Rank	% change 2011-2012	Series trend (%)	10-year trend (%)
Small Skipper	1976	462	37	37	-16	-73***	-66**
Essex Skipper	1977	261	36	34	-4	-64*	-91***
Lulworth Skipper	1992	9	21	19	-5	-88***	-88***
Silver-spotted Skipper	1979	28	34	20	-52	854***	-55
Large Skipper	1976	458	37	37	-55	-21	-18
Dingy Skipper	1976	169	37	14	-24	-28*	49
Grizzled Skipper	1976	120	37	12	-31	-31	63
Swallowtail	1976	6	33	23	-70	81*	-16
Wood White	1979	36	34	29	-61	-84***	-59
Clouded Yellow	1979	176	34	26	-59	367	-98**
Brimstone	1976	364	37	36	-37	9	-30
Large White	1976	537	37	37	-53	-36	-40
Small White	1976	536	37	37	-58	-29	-55
Green-veined White	1976	489	37	37	-61	-13	-16
Orange-tip	1976	328	37	9	-34	20	59
Green Hairstreak	1976	190	37	37	-68	-43**	-26
Brown Hairstreak	1983	33	30	29	-34	-11	-75**
Purple Hairstreak	1976	224	37	32	-41	-8	-8
White-letter Hairstreak	1976	119	37	37	-72	-86***	-69*
Black Hairstreak	1995	10	17	17	-98	-38	-40
Small Copper	1976	413	37	26	-35	-23	-16
Small Blue	1978	90	35	24	-46	21	0
Silver-studded Blue	1979	45	34	30	-54	5	-40
Brown Argus	1976	257	37	36	-73	6	-35
Northern Brown Argus	1979	21	34	31	-39	-47	-27
Common Blue	1976	433	37	37	-60	-15	-52
Chalkhill Blue	1976	148	37	7	17	14	13
Adonis Blue	1979	57	34	15	-5	168*	-46
Holly Blue	1976	333	37	22	-32	145	-23
Large Blue	1983	23	30	3	70	1954***	4
Duke of Burgundy	1979	67	33	32	-47	-49**	-58
White Admiral	1976	143	37	37	-39	-57**	-44
Purple Emperor	1979	50	34	23	-7	43	-55
Red Admiral	1976	548	37	11	-29	318***	-25
Painted Lady	1976	303	37	31	-37	224	-94
Small Tortoiseshell	1976	464	37	36	-36	-74***	-77*
Peacock	1976	452	37	36	-16	15	-30
Comma	1976	467	37	25	-24	262***	-39
Small Pearl-bordered Fritillary	1976	75	37	26	-34	-56***	17
Pearl-bordered Fritillary	1976	71	37	21	-31	-70***	10
High Brown Fritillary	1978	55	35	35	-46	-61*	-81***
Dark Green Fritillary	1976	217	37	10	-37	153**	12
Silver-washed Fritillary	1976	283	37	16	-42	106**	-2
Marsh Fritillary	1981	55	32	32	-71	8	-52
Glanville Fritillary	1992	9	21	11	-68	-34	4957**
Heath Fritillary	1981	25	32	32	-50	-82***	-76**
Speckled Wood	1976	515	37	28	-44	128***	-20
Wall Brown	1976	220	37	36	-15	-85***	-67**
Scotch Argus	1979	9	34	2	55	170**	-5
Marbled White	1976	355	37	23	-7	46	-28
Grayling	1976	122	37	34	-19	-60***	18
Gatekeeper	1976	537	37	35	-25	-37*	-62***
Meadow Brown	1976	585	37	15	21	5	-31
Small Heath	1976	348	37	28	-26	-54***	-22
Large Heath	1990	8	23	15	-70	292***	-6
Ringlet	1976	537	37	18	-26	312***	14