

**ENGLAND Summary of changes table 2024.** Summary of species abundance changes in England 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	19	41	0	2	-2
Dingy Skipper	1976	49	726	47	-26	-5	-20
Grizzled Skipper	1976	49	431	49	-20	-49***	-5
Chequered Skipper	N/A	N/A	1	N/A	N/A	N/A	N/A
Essex Skipper	1977	48	1270	41	-48	-28	-29
Small Skipper	1976	49	2269	49	-54	-74***	-36
Lulworth Skipper	1992	33	25	10	-36	-59*	213
Silver-spotted Skipper	1979	46	71	40	-58	364***	-59
Large Skipper	1976	49	2273	49	-40	-28*	-37*
Wood White	1979	46	75	39	-42	-80***	8
Orange-tip	1976	49	2126	15	2	29*	6
Large White	1976	49	2719	45	-32	-34*	-19
Small White	1976	49	2724	46	-44	-16	-2
Green-veined White	1976	49	2551	48	-24	-30*	-34
Clouded Yellow	1979	46	945	40	-81	393	-79
Brimstone	1976	49	2302	4	-28	44**	20
Wall	1976	49	796	43	-16	-86***	50
Speckled Wood	1976	49	2638	36	-22	83***	-10
Large Heath	N/A	N/A	13	N/A	N/A	N/A	N/A
Small Heath	1976	49	1941	35	-15	-48**	36
Mountain Ringlet	N/A	N/A	1	N/A	N/A	N/A	N/A
Scotch Argus	1995	30	10	30	-40	-85***	-73
Ringlet	1976	49	2524	35	3	273***	-45*
Meadow Brown	1976	49	2736	34	-31	0	4
Gatekeeper	1976	49	2600	35	-40	-41**	36
Marbled White	1976	49	1680	25	-38	79***	-10
Grayling	1976	49	283	46	-15	-59***	33
Pearl-bordered Fritillary	1978	47	156	47	-24	-77***	-30
Small Pearl-bordered Fritillary	1978	47	166	47	-34	-70***	-53**
Silver-washed Fritillary	1976	49	1182	40	-61	249***	-43
Dark Green Fritillary	1976	49	741	38	-62	461***	-14
High Brown Fritillary	1978	47	51	43	-68	-65**	-20
White Admiral	1976	49	435	48	-44	-62***	-2
Purple Emperor	1979	46	150	19	-11	125**	25
Red Admiral	1976	49	2702	19	-70	321***	74
Painted Lady	1976	49	2233	40	-50	63	-51
Peacock	1976	49	2652	38	-30	1	11
Small Tortoiseshell	1976	49	2414	49	-65	-86***	-79*
Comma	1976	49	2491	36	-53	170***	-6
Marsh Fritillary	1982	43	133	15	5	-56*	15
Glanville Fritillary	1989	36	11	5	-15	275*	210
Heath Fritillary	1981	44	44	37	-61	-89***	177*
Duke of Burgundy	1979	46	117	19	-4	-35*	21
Small Copper	1976	49	2185	49	-56	-41*	-1
Brown Hairstreak	1983	42	213	8	25	1	15
Purple Hairstreak	1976	49	802	40	-45	-22	3
Green Hairstreak	1976	49	801	41	17	-39**	5
White-letter Hairstreak	1976	49	359	45	-40	-80***	-14
Black Hairstreak	1995	30	18	4	-7	647**	150
Small Blue	1979	46	368	30	-40	2	15
Holly Blue	1976	49	2281	24	-70	184*	24
Large Blue	1983	42	19	9	-41	2356***	29
Silver-studded Blue	1984	41	142	22	-22	26	54
Brown Argus	1976	49	1455	42	-76	25	7
Northern Brown Argus	1979	46	47	35	38	-62***	-25
Common Blue	1976	49	2408	48	-50	-27	-46
Adonis Blue	1979	46	202	44	-57	63	-40
Chalk Hill Blue	1976	49	326	49	-58	-14	-11

**SCOTLAND Summary of changes table 2024.** Summary of species abundance changes in Scotland from 2023 to 2024 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 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 (%)
Dingy Skipper	N/A	N/A	3	N/A	N/A	N/A	N/A
Chequered Skipper	2003	22	11	7	-56	159*	364*
Small Skipper	N/A	N/A	24	N/A	N/A	N/A	N/A
Large Skipper	N/A	N/A	4	N/A	N/A	N/A	N/A
Orange-tip	1999	26	149	3	15	368***	43
Large White	1979	46	163	19	-31	93*	210
Small White	1979	46	167	22	-29	89	92
Green-veined White	1979	46	184	46	-3	-18	-38
Clouded Yellow	N/A	N/A	0	N/A	N/A	N/A	N/A
Wall	1999	26	40	8	-21	718***	133
Speckled Wood	2001	24	122	2	-15	375***	619***
Large Heath	2003	22	15	19	-81	-27	4
Small Heath	1979	46	118	34	-18	113**	-13
Mountain Ringlet	N/A	N/A	1	N/A	N/A	N/A	N/A
Scotch Argus	1990	35	19	34	-23	-25	-46*
Ringlet	1996	29	171	17	0	228***	14
Meadow Brown	1979	46	179	31	-50	16	115
Grayling	1990	35	20	34	-50	-92***	2
Pearl-bordered Fritillary	2002	23	24	9	-2	187***	41
Small Pearl-bordered Fritillary	1979	46	46	16	9	106***	1
Dark Green Fritillary	1979	46	69	26	15	17	27
Red Admiral	1980	44	170	24	-86	899***	92
Painted Lady	1980	41	129	37	-64	57	-80
Peacock	1995	30	176	10	-27	214***	74
Small Tortoiseshell	1979	46	172	46	-56	-65***	-29
Comma	2006	19	79	6	-32	154	23
Marsh Fritillary	2006	19	51	9	-60	-69	54
Small Copper	1979	46	130	44	-39	-51*	-61
Purple Hairstreak	N/A	N/A	1	N/A	N/A	N/A	N/A
Green Hairstreak	1990	35	25	31	-76	5	57
Small Blue	2005	20	21	14	-24	-39	-27
Holly Blue	N/A	N/A	26	N/A	N/A	N/A	N/A
Northern Brown Argus	1981	44	20	7	82	49	99
Common Blue	1979	46	110	30	10	27	-22

**WALES Summary of changes table 2024.** Summary of species abundance changes in Wales 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 (%)
Dingy Skipper	2004	21	27	21	-50	-57	-89***
Grizzled Skipper	N/A	N/A	4	N/A	N/A	N/A	N/A
Essex Skipper	N/A	N/A	5	N/A	N/A	N/A	N/A
Small Skipper	1984	41	81	41	-47	-31	-80***
Large Skipper	1977	48	70	42	-5	-67***	-43
Orange-tip	1978	47	63	4	41	332***	3
Large White	1976	49	99	41	-41	-21	-3
Small White	1976	49	105	46	-57	-44*	37
Green-veined White	1976	49	85	42	-36	94*	-49*
Clouded Yellow	N/A	N/A	1	N/A	N/A	N/A	N/A
Brimstone	1998	27	49	9	-24	58*	23
Wall	1976	49	59	45	-37	-60***	36
Speckled Wood	1978	47	94	25	-31	217***	-20
Large Heath	N/A	N/A	7	N/A	N/A	N/A	N/A
Small Heath	1976	49	68	49	-46	-12	-17
Ringlet	1983	42	88	26	9	172***	-65***
Meadow Brown	1976	49	107	48	-60	-7	-22
Gatekeeper	1978	47	95	39	-45	12	-16
Marbled White	N/A	N/A	7	N/A	N/A	N/A	N/A
Grayling	1976	49	30	47	-44	-93***	-1
Pearl-bordered Fritillary	1997	28	12	23	-43	214**	-18
Small Pearl-bordered Fritillary	1992	33	19	30	-57	-69**	8
Silver-washed Fritillary	1995	28	21	26	-40	-84*	-78**
Dark Green Fritillary	1979	46	40	46	-74	-81***	-50
High Brown Fritillary	1995	21	10	21	-76	-31	-73
Red Admiral	1976	49	96	33	-73	144*	18
Painted Lady	1977	47	74	36	0	2	-71
Peacock	1976	49	91	43	-27	-45**	-42
Small Tortoiseshell	1976	49	90	49	-53	-59*	-67
Comma	1992	33	68	29	-78	144**	-38
Marsh Fritillary	1990	35	17	33	-60	-66*	-54
Small Copper	1976	49	76	49	-81	-55**	-27
Brown Hairstreak	2004	21	17	7	29	-33	13
Purple Hairstreak	2002	23	16	21	-67	-80**	-64
Green Hairstreak	1993	32	21	12	-9	278**	-15
White-letter Hairstreak	N/A	N/A	1	N/A	N/A	N/A	N/A
Small Blue	N/A	N/A	8	N/A	N/A	N/A	N/A
Silver-studded Blue	N/A	N/A	9	N/A	N/A	N/A	N/A
Holly Blue	1999	26	56	19	-74	13	22
Brown Argus	1997	28	22	14	-65	76	71
Common Blue	1976	49	91	47	-43	-39*	-14

**NORTHERN IRELAND Summary of changes table 2024.** Summary of species abundance changes in Northern Ireland from 2023 to 2024 and long-term (over the entire time series; no. yrs max = 21) 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 (%)
Dingy Skipper	N/A	N/A	2	N/A	N/A	N/A	N/A
<b>Cryptic Wood White</b>	<b>2009</b>	<b>16</b>	<b>20</b>	<b>16</b>	<b>-45</b>	<b>-27</b>	<b>-67**</b>
Orange-tip	2007	18	40	5	35	1	33
Large White	2006	19	49	16	-24	-62**	-18
Small White	2006	19	50	17	-51	-68***	20
Green-veined White	2005	20	56	16	9	-28	-47
Clouded Yellow	N/A	N/A	0	N/A	N/A	N/A	N/A
Wall	N/A	N/A	0	N/A	N/A	N/A	N/A
Speckled Wood	2007	18	53	12	-34	40	42
Large Heath	N/A	N/A	4	N/A	N/A	N/A	N/A
Small Heath	2004	21	22	20	-24	-44*	-18
Ringlet	2006	19	55	16	-7	23	-32
Meadow Brown	2009	16	55	14	-47	-27	9
Grayling	N/A	N/A	1	N/A	N/A	N/A	N/A
Silver-washed Fritillary	N/A	N/A	5	N/A	N/A	N/A	N/A
Dark Green Fritillary	N/A	N/A	8	N/A	N/A	N/A	N/A
Red Admiral	N/A	N/A	19	N/A	N/A	N/A	N/A
Painted Lady	N/A	N/A	8	N/A	N/A	N/A	N/A
Peacock	2006	19	50	12	-70	49	166
<b>Small Tortoiseshell</b>	<b>2010</b>	<b>15</b>	<b>51</b>	<b>15</b>	<b>-84</b>	<b>21</b>	<b>77</b>
Marsh Fritillary	2004	21	12	3	164	71	146
Small Copper	2005	20	30	17	-39	-58	56
Purple Hairstreak	N/A	N/A	1	N/A	N/A	N/A	N/A
Green Hairstreak	N/A	N/A	4	N/A	N/A	N/A	N/A
Small Blue	N/A	N/A	1	N/A	N/A	N/A	N/A
Holly Blue	N/A	N/A	20	N/A	N/A	N/A	N/A
Common Blue	2005	20	30	15	10	-44	-55