

UK Summary of changes Table 2023. Summary of species abundance changes in the UK from 2022 to 2023 and long-term (over the entire time series; no. yrs max = 48) 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 2023, and blue text for those species that had their best year of the series in 2023.

| Species | Start Year | No. years with Index in 2023 | No. sites monitored in 2023 | 2023 rank | % change 2022-2023 | Series trend (%) | 10-year trend (%) |
|---------------------------------|------------|------------------------------|-----------------------------|-----------|--------------------|------------------|-------------------|
| Swallowtail | 1976 | 47 | 27 | 41 | -41 | 7 | -1 |
| Dingy Skipper | 1976 | 48 | 737 | 40 | -42 | -4 | -7 |
| Grizzled Skipper | 1976 | 48 | 437 | 46 | -13 | -46*** | 7 |
| Chequered Skipper | 2003 | 21 | 14 | 1 | 51 | 118* | 494** |
| Essex Skipper | 1977 | 47 | 1271 | 25 | 37 | -20 | -22 |
| Small Skipper | 1976 | 48 | 2298 | 31 | 17 | -71*** | -29 |
| Lulworth Skipper | 1992 | 32 | 20 | 4 | 70 | -64* | 87 |
| Silver-spotted Skipper | 1979 | 45 | 75 | 30 | -48 | 476*** | -27 |
| Large Skipper | 1976 | 48 | 2271 | 36 | 14 | -26 | -37* |
| Wood White | 1979 | 45 | 72 | 15 | 14 | -80*** | 43 |
| Cryptic Wood White | 2009 | 15 | 20 | 14 | -40 | -2 | -47 |
| Orange-tip | 1976 | 48 | 2229 | 15 | -11 | 40** | 5 |
| Large White | 1976 | 48 | 2889 | 22 | 19 | -31 | 23 |
| Small White | 1976 | 48 | 2905 | 19 | 27 | -14 | 53 |
| Green-veined White | 1976 | 48 | 2763 | 46 | -12 | -23 | -36 |
| Clouded Yellow | 1979 | 45 | 1017 | 28 | -82 | 514* | -59 |
| Brimstone | 1976 | 48 | 2226 | 1 | 59 | 43** | 16 |
| Wall | 1976 | 48 | 911 | 41 | -25 | -84*** | 20 |
| Speckled Wood | 1976 | 48 | 2761 | 14 | 3 | 94*** | -7 |
| Large Heath | 1990 | 34 | 46 | 8 | 9 | 368*** | 69 |
| Small Heath | 1976 | 48 | 2083 | 30 | 29 | -43** | 52 |
| Mountain Ringlet | N/A | N/A | 2 | N/A | N/A | N/A | N/A |
| Scotch Argus | 1979 | 45 | 41 | 41 | -22 | 21 | -39 |
| Ringlet | 1976 | 48 | 2702 | 35 | -37 | 296*** | -42* |
| Meadow Brown | 1976 | 48 | 2931 | 7 | 48 | 3 | 18 |
| Gatekeeper | 1976 | 48 | 2532 | 9 | 52 | -37** | 34 |
| Marbled White | 1976 | 48 | 1595 | 3 | 26 | 85*** | 2 |
| Grayling | 1976 | 48 | 366 | 44 | -13 | -71*** | 17 |
| Pearl-bordered Fritillary | 1976 | 48 | 182 | 45 | -8 | -68*** | -9 |
| Small Pearl-bordered Fritillary | 1976 | 48 | 228 | 48 | -9 | -71*** | -36* |
| Silver-washed Fritillary | 1976 | 48 | 1181 | 10 | -7 | 271*** | -10 |
| Dark Green Fritillary | 1976 | 48 | 877 | 21 | -47 | 296*** | 61 |
| High Brown Fritillary | 1978 | 46 | 58 | 17 | 67 | -61** | -2 |
| White Admiral | 1976 | 48 | 429 | 30 | 0 | -60*** | 6 |
| Purple Emperor | 1979 | 45 | 143 | 12 | -38 | 133** | 28 |
| Red Admiral | 1976 | 48 | 2907 | 1 | 289 | 318*** | 110 |
| Painted Lady | 1976 | 48 | 2464 | 28 | -50 | 90 | 46 |
| Peacock | 1976 | 48 | 2859 | 18 | 51 | 5 | -8 |
| Small Tortoiseshell | 1976 | 48 | 2720 | 48 | -46 | -82*** | -66* |
| Comma | 1976 | 48 | 2560 | 3 | 41 | 186*** | 21 |
| Marsh Fritillary | 1981 | 43 | 233 | 9 | 55 | 2 | -5 |
| Glanville Fritillary | 1989 | 35 | 18 | 7 | 32 | 154 | 29 |
| Heath Fritillary | 1981 | 43 | 39 | 20 | 138 | -88*** | 223** |
| Duke of Burgundy | 1979 | 45 | 121 | 13 | 21 | -35* | 12 |
| Small Copper | 1976 | 48 | 2424 | 24 | 76 | -40* | 32 |
| Brown Hairstreak | 1983 | 41 | 205 | 31 | -9 | -12 | -21 |
| Purple Hairstreak | 1976 | 48 | 821 | 15 | 48 | -18 | 81 |
| Green Hairstreak | 1976 | 48 | 850 | 42 | -31 | -31* | -10 |
| White-letter Hairstreak | 1976 | 48 | 363 | 36 | -5 | -78*** | 40 |
| Black Hairstreak | 1995 | 29 | 17 | 3 | 152 | 528** | 277 |
| Small Blue | 1978 | 46 | 405 | 13 | -13 | 29 | 87* |
| Holly Blue | 1976 | 48 | 2337 | 3 | 151 | 174* | 148 |
| Large Blue | 1983 | 41 | 23 | 1 | 12 | 2391*** | 175* |
| Silver-studded Blue | 1979 | 45 | 147 | 14 | -13 | 70* | 84** |
| Brown Argus | 1976 | 48 | 1468 | 2 | 168 | 32 | 47 |
| Northern Brown Argus | 1979 | 45 | 68 | 41 | 8 | -59*** | -14 |
| Common Blue | 1976 | 48 | 2593 | 39 | -13 | -22 | -27 |
| Adonis Blue | 1979 | 45 | 209 | 31 | -13 | 89* | -3 |
| Chalk Hill Blue | 1976 | 48 | 329 | 37 | -49 | -1 | 44 |