**Appendix S1.** Example of the manure heap where farmland birds were surveyed a) and foraging Yellowhammers at the manure heap b).

a)



b)



**Appendix S2**. List of farmland bird species recorded during point counts at 43 farmland sites and 43 manure heaps. For each species sum of individuals, mean abundance per point and SD are given for the two habitats. The species of conservation concern are given in red.

|  |  |  |  |
| --- | --- | --- | --- |
| **Species** | **Farmland** |  | **Manure heap** |
|  | **sum** | **mean** | **SD** |  | **sum** | **mean** | **SD** |
| *Emberiza citrinella* | 11 | 0.256 | 1.241 |  | 1124 | 26.140 | 32.023 |
| *Passer montanus* | 3 | 0.070 | 0.334 |  | 313 | 7.279 | 17.847 |
| *Corvus corone* | 0 | 0.000 | 0.000 |  | 89 | 2.070 | 7.531 |
| *Carduelis cannabina* | 104 | 2.419 | 15.069 |  | 82 | 1.907 | 11.037 |
| *Columba livia* | 0 | 0.000 | 0.000 |  | 56 | 1.302 | 6.385 |
| *Fringilla coelebs* | 4 | 0.093 | 0.362 |  | 56 | 1.302 | 3.217 |
| *Carduelis carduelis* | 0 | 0.000 | 0.000 |  | 31 | 0.721 | 3.854 |
| *Emberiza calandra* | 0 | 0.000 | 0.000 |  | 28 | 0.651 | 3.110 |
| *Buteo buteo* | 10 | 0.233 | 0.474 |  | 27 | 0.628 | 1.276 |
| *Pica pica* | 7 | 0.163 | 0.428 |  | 25 | 0.581 | 1.262 |
| *Streptopelia decaocto* | 0 | 0.000 | 0.000 |  | 18 | 0.419 | 2.295 |
| *Perdix perdix* | 1 | 0.023 | 0.151 |  | 10 | 0.233 | 1.507 |
| *Anthus pratensis* | 0 | 0.000 | 0.000 |  | 8 | 0.186 | 0.539 |
| *Carduelis chloris* | 2 | 0.047 | 0.301 |  | 6 | 0.140 | 0.632 |
| *Corvus cornix* | 0 | 0.000 | 0.000 |  | 6 | 0.140 | 0.765 |
| *Falco tinnunculus* | 3 | 0.070 | 0.255 |  | 6 | 0.140 | 0.347 |
| *Corvus corax* | 0 | 0.000 | 0.000 |  | 5 | 0.116 | 0.492 |
| *Motacilla alba* | 0 | 0.000 | 0.000 |  | 2 | 0.047 | 0.211 |
| *Phasianus colchicus* | 1 | 0.023 | 0.151 |  | 2 | 0.047 | 0.301 |
| *Accipiter nisus* | 0 | 0.000 | 0.000 |  | 1 | 0.023 | 0.151 |
| *Alauda arvensis* | 0 | 0.000 | 0.000 |  | 1 | 0.023 | 0.151 |
| *Circus cyaneus* | 1 | 0.023 | 0.151 |  | 1 | 0.023 | 0.151 |
| *Galerida cristata* | 0 | 0.000 | 0.000 |  | 1 | 0.023 | 0.151 |
| *Lanius excubitor* | 2 | 0.047 | 0.211 |  | 1 | 0.023 | 0.151 |
| *Motacilla cinerea* | 0 | 0.000 | 0.000 |  | 1 | 0.023 | 0.151 |