

Oikos

Appendix 1.

Appendix 2.

O16819

Ebeling, A., Klein, A.-M., Schumacher, J., Weisser, W. W. and Tschardtke, T. 2008. How does plant richness affect pollinator richness and temporal stability of flower visits? – *Oikos* 117: 1808–1815.

Appendix 1. List of all flowering plant species (except grasses) and their flower-visiting bee and bumble bee species in 2005 and 2006. Minus indicates no visits and plus visits by the bee species. Identification numbers: 1= *Andrena nana*, 2= *A. nitida*, 3= *A. cf. subopaca*, 4= *A. sp. 1*, 5= *A. sp. 2*, 6= *Halictus cf. erygnathus*, 7= *H. scabiosae*, 8= *H. simplex*, 9= *Lasioglossum albipes*, 10= *L. fulvicorne*, 11= *L. cf. glabriolusculum*, 12= *L. parvulum*, 13= *L. pauxillum*, 14= *L. politum*, 15= *L. cf. rufitarse*, 16= *L. cf. semiluscens*, 17= *L. cf. vilosulum*, 18= *L. sp. 1*, 19= *Melitta sp. 1*, 20= *Osmia rufa*, 21= *Apis mellifera*, 22= *Anthophora acervorum*, 23= *Bombus lapidarius*, 24= *B. pascuorum*, 25= *B. proteus*, 26= *B. sylvarum*, 27= *B. terrestris*, 28= *B. sp. 1*, 29= *Nomada sp. 1*. The highlighted plant species received bee visits; the non-highlighted plant species did not receive bee visits.

Plant species	Plots flowering	Identification numbers for flower-visiting bee species																												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
<i>Ajuga reptans</i>	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Bellis perennis</i>	8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Glechoma hederacea</i>	5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Leontodon autumnalis</i>	4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	+	–	–	–	–	–	–	–	–	–	–
<i>Leontodon hispidus</i>	4	–	–	–	–	–	–	–	+	–	–	–	–	–	+	–	–	–	–	–	–	–	+	–	–	–	–	–	–	–
<i>Plantago lanceolata</i>	12	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Plantago media</i>	11	–	–	–	–	–	–	–	–	–	–	+	–	–	–	–	+	–	–	–	–	–	+	–	–	–	–	–	+	–
<i>Prunella vulgaris</i>	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Ranunculus repens</i>	6	–	–	–	–	–	–	–	–	–	+	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Veronica chamaedrys</i>	11	+	–	–	+	–	–	–	–	–	–	+	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Achillea millefolium</i>	6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	+	–	–	–	–	–	–	–
<i>Anthriscus sylvestris</i>	7	–	–	+	–	–	–	–	–	–	–	–	–	–	+	–	–	–	–	–	–	–	+	–	–	–	–	–	–	–
<i>Campanula patula</i>	7	–	–	–	–	–	–	–	–	–	–	–	–	–	–	+	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Cardamine pratensis</i>	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Carum carvi</i>	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Centaurea jacea</i>	6	–	–	–	+	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	+	–	+	–	+	–	+	–
<i>Cirsium oleraceum</i>	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	+	–	+	–	–	–	+	–
<i>Crepis biennis</i>	11	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	+	–	–	–	+	–	+	–	–	–	–	–
<i>Daucus carota</i>	7	–	–	–	–	+	+	–	–	–	–	–	–	–	–	–	+	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Galium mollugo</i>	6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Geranium pratense</i>	8	–	–	–	–	+	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	+	–	+	–	–	–	–	–
<i>Heracleum sphondylium</i>	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	+	–	–	–	–	–	–	+	–	–	–	–	–	–	–
<i>Knautia arvensis</i>	11	–	+	–	–	+	–	–	–	+	–	–	–	–	–	+	+	–	–	+	–	–	+	+	+	–	+	–	+	–
<i>Leucanthemum vulgare</i>	11	+	–	–	–	–	–	–	–	–	–	–	+	–	–	–	–	–	–	–	–	–	+	–	+	–	–	–	+	–
<i>Pimpinella major</i>	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Ranunculus acris</i>	6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	+	–	–	–	–	–	–	+	–	–	–	–	–	–
<i>Rumex acetosa</i>	6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Sanguisorba officinalis</i>	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Tragopogon pratensis</i>	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Lathyrus pratensis</i>	7	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Lotus corniculatus</i>	13	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Medicago lupulina</i>	4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Medicago varia</i>	12	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Onobrychis viciifolia</i>	17	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Trifolium campestre</i>	4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Trifolium dubium</i>	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Trifolium fragiferum</i>	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Trifolium hybridum</i>	4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Trifolium pratense</i>	10	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Trifolium repens</i>	7	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Vicia cracca</i>	5	–	–	–	–	–	–	–	–	–	–	–	–	–																

Appendix 2. List of all flowering plant species (except grasses) and their flower-visiting hover fly species in 2005 and 2006. Minus indicates no visits and plus visits by the hover fly species. Identification numbers: 1= *Eristalis arbustorum*, 2= *E. tenax*, 3= *Episyrphus balteatus*, 4= *Melanostoma scalare*, 5= *Platycheirus fulviventris*, 6= *Parhelophilus frutetorum*, 7= *Sphaerophoria menthastri*, 8= *S. cripta*, 9= Unidentified hover fly sp. 1, 10= Unidentified hover fly sp. 2. The highlighted plant species received hover fly visits; the non-highlighted plant species did not receive hover fly visits.

Plant species	Plots flowering	Identification numbers for flower-visiting hover fly species									
		1	2	3	4	5	6	7	8	9	10
<i>Ajuga reptans</i>	1	-	-	-	-	-	-	-	-	-	-
<i>Bellis perennis</i>	8	-	-	-	-	-	-	-	-	-	-
<i>Glechoma hederacea</i>	5	-	-	-	-	-	-	-	-	-	-
<i>Leontodon autumnalis</i>	4	+	-	-	-	-	-	-	-	-	-
<i>Leontodon hispidus</i>	4	-	-	-	-	-	-	-	-	-	+
<i>Plantago lanceolata</i>	12	-	-	-	-	+	-	-	-	-	-
<i>Plantago media</i>	11	-	-	-	-	-	-	-	-	-	-
<i>Prunella vulgaris</i>	3	-	-	-	-	-	-	-	-	-	-
<i>Ranunculus repens</i>	6	-	-	-	-	-	-	-	-	-	-
<i>Veronica chamaedrys</i>	11	-	-	-	-	-	-	-	-	-	-
<i>Achillea millefolium</i>	6	-	+	-	-	-	-	-	-	-	-
<i>Anthriscus sylvestris</i>	7	-	-	-	-	-	-	-	-	-	-
<i>Campanula patula</i>	7	-	-	-	-	-	-	-	-	-	-
<i>Cardamine pratensis</i>	1	-	-	-	-	-	-	-	-	-	-
<i>Carum carvi</i>	1	-	-	-	-	-	-	-	-	-	-
<i>Centaurea jacea</i>	6	-	-	-	-	-	-	-	-	-	-
<i>Cirsium oleraceum</i>	1	-	-	-	-	-	-	-	-	-	-
<i>Crepis biennis</i>	11	+	-	-	-	-	-	-	-	-	-
<i>Daucus carota</i>	7	-	+	+	-	-	+	-	-	-	-
<i>Galium mollugo</i>	6	-	-	+	-	-	-	-	-	+	-
<i>Geranium pratense</i>	8	-	-	-	-	-	-	-	-	-	-
<i>Heracleum sphondylium</i>	2	+	+	-	-	-	-	-	-	-	-
<i>Knautia arvensis</i>	11	+	+	-	-	+	-	-	-	-	-
<i>Leucanthemum vulgare</i>	11	-	-	-	-	-	-	-	-	-	-
<i>Pimpinella major</i>	1	-	-	-	-	-	-	-	-	-	-
<i>Ranunculus acris</i>	6	-	-	-	-	-	-	-	-	-	-
<i>Rumex acetosa</i>	6	-	-	-	-	-	-	-	-	-	-
<i>Sanguisorba officinalis</i>	2	-	-	-	-	-	-	-	-	-	-
<i>Tragopogon pratensis</i>	2	-	-	-	-	-	-	-	-	-	-
<i>Lathyrus pratensis</i>	7	-	-	-	-	-	-	-	-	-	-
<i>Lotus corniculatus</i>	13	-	-	-	-	-	-	+	-	-	-
<i>Medicago lupulina</i>	4	-	-	-	-	-	-	+	-	-	-
<i>Medicago varia</i>	12	-	-	-	-	-	+	-	+	-	-
<i>Onobrychis viciifolia</i>	17	-	-	-	-	-	-	-	-	-	+
<i>Trifolium campestre</i>	4	-	-	-	-	-	-	-	-	-	-
<i>Trifolium dubium</i>	2	-	-	-	-	-	-	-	-	-	-
<i>Trifolium fragiferum</i>	3	-	-	-	-	-	-	-	-	-	-
<i>Trifolium hybridum</i>	4	-	-	-	-	-	-	-	-	-	-
<i>Trifolium pratense</i>	10	-	+	-	-	-	+	+	-	-	-
<i>Trifolium repens</i>	7	+	-	-	-	-	-	-	-	-	-
<i>Vicia cracca</i>	5	-	-	-	-	-	-	-	-	-	-