

Table S1. Mean of individuals per sampling station ($\pm$ standard deviation) of the different taxa according to the type of management (ORG: organic; NT: non-tillage; CON: conventional) and results of the Kruskal-Wallis (K-W) test applied in each case for 2007, 2008, and 2009.

Taxa	2007			2008			2009		
	ORG (n=25)	NT (n=25)	CON (n=25)	ORG (n=15)	NT (n=16)	CON (n=16)	ORG (n=12)	NT (n=12)	CON (n=12)
ARANEAE	2.0 $\pm$ 0.2	1.3 $\pm$ 0.1	1.0 $\pm$ 0.1	1.4 $\pm$ 0.3	1.7 $\pm$ 0.4	1.0 $\pm$ 0.2	1.2 $\pm$ 0.2	1.0 $\pm$ 0.2	1.4 $\pm$ 0.2
COLEOPTERA	1.3 $\pm$ 0.2	1.0 $\pm$ 0.2	0.8 $\pm$ 0.2	0.7 $\pm$ 0.1	0.2 $\pm$ 0.1	0.5 $\pm$ 0.1	0.4 $\pm$ 0.1	0.5 $\pm$ 0.1	0.5 $\pm$ 0.1
DERMAPTERA	0.0 $\pm$ 0.0	0.1 $\pm$ 0.0	0.0 $\pm$ 0.0	0.1 $\pm$ 0.0	0.1 $\pm$ 0.1	0.0 $\pm$ 0.0	0.0 $\pm$ 0.0	0.0 $\pm$ 0.0	0.2 $\pm$ 0.1
DIPTERA	0.4 $\pm$ 0.1	0.5 $\pm$ 0.1	0.3 $\pm$ 0.1	1.6 $\pm$ 0.3	1.9 $\pm$ 0.3	1.3 $\pm$ 0.2	1.1 $\pm$ 0.2	2.2 $\pm$ 0.3	1.6 $\pm$ 0.2
DYCTIOPTERA	0.1 $\pm$ 0.0	0.0 $\pm$ 0.0	0.0 $\pm$ 0.0	0.1 $\pm$ 0.0	-	0.0 $\pm$ 0.0	0.0 $\pm$ 0.0	0.0 $\pm$ 0.0	-
HEMIPTERA									
<i>Euphyllura olivina</i>	227.1 $\pm$ 18.4	1.8 $\pm$ 0.3	6.4 $\pm$ 0.6	98.1 $\pm$ 8.6	11.8 $\pm$ 1.3	36.3 $\pm$ 2.6	27.1 $\pm$ 2.2	17.1 $\pm$ 2.1	22.7 $\pm$ 3.0
Heteroptera	5.6 $\pm$ 0.5	0.4 $\pm$ 0.1	0.5 $\pm$ 0.1	6.5 $\pm$ 0.9	1.1 $\pm$ 0.2	1.9 $\pm$ 0.3	3.1 $\pm$ 0.3	1.2 $\pm$ 0.2	1.3 $\pm$ 0.2
“Other Hemiptera”	2.2 $\pm$ 0.3	4.6 $\pm$ 0.4	2.2 $\pm$ 0.3	5.3 $\pm$ 0.8	2.8 $\pm$ 0.5	1.7 $\pm$ 0.3	2.4 $\pm$ 0.3	0.8 $\pm$ 0.1	0.5 $\pm$ 0.1
HYMENOPTERA									
Formicidae	0.7 $\pm$ 0.1	0.2 $\pm$ 0.1	0.0 $\pm$ 0.0	3.8 $\pm$ 1.2	0.1 $\pm$ 0.0	0.1 $\pm$ 0.0	1.9 $\pm$ 0.4	0.1 $\pm$ 0.1	0.0 $\pm$ 0.0
Hymenoptera	1.4 $\pm$ 0.2	0.7 $\pm$ 0.1	0.9 $\pm$ 0.2	1.8 $\pm$ 0.3	1.3 $\pm$ 0.2	1.6 $\pm$ 0.2	1.7 $\pm$ 0.2	1.6 $\pm$ 0.3	2.8 $\pm$ 0.4
LEPIDOPTERA									
<i>Prays oleae</i>	8.5 $\pm$ 1.7	1.6 $\pm$ 0.3	0.4 $\pm$ 0.1	0.2 $\pm$ 0.1	0.0 $\pm$ 0.0	0.1 $\pm$ 0.0	7.4 $\pm$ 1.6	0.3 $\pm$ 0.1	0.4 $\pm$ 0.1
Lepidoptera	0.0 $\pm$ 0.0	-	-	0.1 $\pm$ 0.0	0.1 $\pm$ 0.0	0.1 $\pm$ 0.0	0.1 $\pm$ 0.1	0.1 $\pm$ 0.0	0.3 $\pm$ 0.1
NEUROPTERA	0.3 $\pm$ 0.1	0.7 $\pm$ 0.1	0.8 $\pm$ 0.1	0.5 $\pm$ 0.1	1.2 $\pm$ 0.2	0.8 $\pm$ 0.1	0.5 $\pm$ 0.1	1.8 $\pm$ 0.2	3.4 $\pm$ 0.4
ORTHOPTERA	0.1 $\pm$ 0.0	-	0.0 $\pm$ 0.0	0.0 $\pm$ 0.0	0.0 $\pm$ 0.0	-	-	0.0 $\pm$ 0.0	0.0 $\pm$ 0.0
PSOCOPTERA	0.0 $\pm$ 0.0	-	0.0 $\pm$ 0.0	0.1 $\pm$ 0.0	0.1 $\pm$ 0.0	0.0 $\pm$ 0.0	0.0 $\pm$ 0.0	0.1 $\pm$ 0.0	-
RHAPHIDIOPTERA	0.2 $\pm$ 0.1	0.0 $\pm$ 0.0	0.0 $\pm$ 0.0	0.2 $\pm$ 0.1	0.0 $\pm$ 0.0	0.0 $\pm$ 0.0	0.2 $\pm$ 0.1	-	-
TYSANOPTERA	0.0 $\pm$ 0.0	0.2 $\pm$ 0.0	0.2 $\pm$ 0.0	0.4 $\pm$ 0.1	0.6 $\pm$ 0.2	0.3 $\pm$ 0.1	0.6 $\pm$ 0.2	1.8 $\pm$ 1.3	3.0 $\pm$ 0.7

-: not detected; “0.0”: taxa rate <0.05.

Table S2. Mean of individuals per sampling station ($\pm$ standard deviation) of the different taxa according to the “organic/non-organic” criterion and results of the U of Mann-Whitney (U of M-W) test applied in each case for 2007, 2008, and 2009.

Taxa	2007		2008		2009	
	ORG (n=25)	NonORG (n=50)	ORG (n=15)	NonORG (n=32)	ORG (n=12)	NonORG (n=24)
ARANEAE	2.0 $\pm$ 0.2	1.1 $\pm$ 0.1	1.4 $\pm$ 0.3	1.4 $\pm$ 0.2	1.2 $\pm$ 0.2	1.2 $\pm$ 0.1
COLEOPTERA	1.3 $\pm$ 0.2	0.9 $\pm$ 0.1	0.7 $\pm$ 0.1	0.4 $\pm$ 0.1	0.4 $\pm$ 0.1	0.5 $\pm$ 0.1
DERMAPTERA	0.0 $\pm$ 0.0	0.0 $\pm$ 0.0	0.1 $\pm$ 0.0	0.1 $\pm$ 0.0	0.0 $\pm$ 0.0	0.1 $\pm$ 0.0
DIPTERA	0.4 $\pm$ 0.1	0.4 $\pm$ 0.1	1.6 $\pm$ 0.3	1.6 $\pm$ 0.2	1.1 $\pm$ 0.2	1.9 $\pm$ 0.2
DYCTIOPTERA	0.1 $\pm$ 0.0	0.0 $\pm$ 0.0	0.1 $\pm$ 0.0	0.0 $\pm$ 0.0	0.0 $\pm$ 0.0	0.0 $\pm$ 0.0
HEMIPTERA						
<i>Euphyllura olivina</i>	227.1 $\pm$ 18.4	4.1 $\pm$ 0.4	98.1 $\pm$ 8.6	24.0 $\pm$ 1.8	27.1 $\pm$ 2.2	19.9 $\pm$ 1.8
Heteroptera	5.6 $\pm$ 0.5	0.5 $\pm$ 0.1	6.5 $\pm$ 0.9	1.5 $\pm$ 0.2	3.1 $\pm$ 0.3	1.2 $\pm$ 0.2
“Other Hemiptera”	2.2 $\pm$ 0.3	3.4 $\pm$ 0.3	5.3 $\pm$ 0.8	2.3 $\pm$ 0.3	2.4 $\pm$ 0.3	0.7 $\pm$ 0.1
HYMENOPTERA						
Formicidae	0.7 $\pm$ 0.1	0.1 $\pm$ 0.1	3.8 $\pm$ 1.2	0.1 $\pm$ 0.0	1.9 $\pm$ 0.4	0.1 $\pm$ 0.0
Hymenoptera	1.4 $\pm$ 0.2	0.8 $\pm$ 0.1	1.8 $\pm$ 0.3	1.4 $\pm$ 0.1	1.7 $\pm$ 0.2	2.2 $\pm$ 0.3
LEPIDOPTERA						
<i>Prays oleae</i>	8.5 $\pm$ 1.7	1.0 $\pm$ 0.1	0.2 $\pm$ 0.1	0.1 $\pm$ 0.0	7.4 $\pm$ 1.6	0.3 $\pm$ 0.1
Lepidoptera	0.0 $\pm$ 0.0	-	0.1 $\pm$ 0.0	0.1 $\pm$ 0.0	0.1 $\pm$ 0.1	0.2 $\pm$ 0.0
NEUROPTERA	0.3 $\pm$ 0.1	0.8 $\pm$ 0.1	0.5 $\pm$ 0.1	1.0 $\pm$ 0.1	0.5 $\pm$ 0.1	2.6 $\pm$ 0.2
ORTHOPTERA	0.1 $\pm$ 0.0	0.0 $\pm$ 0.0	0.0 $\pm$ 0.0	0.0 $\pm$ 0.0	-	0.0 $\pm$ 0.0
PSOCOPTERA	0.0 $\pm$ 0.0	0.0 $\pm$ 0.0	0.1 $\pm$ 0.0	0.1 $\pm$ 0.0	0.0 $\pm$ 0.0	0.0 $\pm$ 0.0
RHAPHIDIOPTERA	0.2 $\pm$ 0.1	0.0 $\pm$ 0.0	0.2 $\pm$ 0.1	0.0 $\pm$ 0.0	0.2 $\pm$ 0.1	-
TYSANOPTERA	0.0 $\pm$ 0.0	0.2 $\pm$ 0.0	0.4 $\pm$ 0.1	0.4 $\pm$ 0.1	0.6 $\pm$ 0.2	2.4 $\pm$ 0.7

-: not detected; “0.0”: taxa rate <0.05.