**Supplementary file 3. Effect of crop configuration on ground beetle community composition.** Results from permanova analyses using Hellinger’s transformation for data from the three locations with species level data. “Crop species” is a nested variable within years, as these differed among years. Years were nested in locations, as the years that were studied differed among locations. P-values in bold typeset indicate significant effects (α = 0.05).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Location | Predictor | Df | Sum Sq | R2 | F | P |
| Almere  | Crop configuration  | 1  | 0.20  | 0.01  | 2.34  | **0.025**  |
|   | Year  | 1  | 2.48  | 0.13  | 28.6  | **0.001**  |
|   | Year : Crop species  | 14  | 5.66  | 0.30  | 4.68  | **0.001**  |
|   | Crop configuration : Year  | 1  | 0.13  | 0.01  | 1.50  | 0.138  |
|   | Crop configuration : Year : Crop species  | 14  | 2.88  | 0.15  | 2.38  | **0.001**  |
|   | *Residual*  | 88  | *7.61*  | *0.40*  |   |   |
|   | *Total*  | 119  | *19.0*  | *1.00*  |   |   |
| Lelystad  | Crop configuration  | 1  | 0.03  | 0.01  | 0.68  | 0.534  |
|   | Year  | 2  | 1.78  | 0.55  | 18.9  | **0.001**  |
|   | Year : Crop species  | 1  | 0.12  | 0.04  | 2.45  | 0.082  |
|   | Crop configuration : Year  | 2  | 0.26  | 0.08  | 2.80  | **0.026**  |
|   | Crop configuration : Year : Crop species  | 1  | 0.14  | 0.04  | 2.91  | **0.039**  |
|   | *Residual*  | *19*  | *0.90*  | *0.28*  |   |   |
|   | *Total*  | *26*  | *3.22*  | *1.00*  |   |   |
| Wageningen  | Crop configuration  | 1  | 1.48  | 0.02  | 4.30  | **0.001**  |
|   | Year  | 3  | 6.40  | 0.07  | 6.22  | **0.001**  |
|   | Year : Crop species  | 16  | 27.7  | 0.29  | 5.05  | **0.001**  |
|   | Crop configuration : Year  | 3  | 1.90  | 0.02  | 1.85  | **0.006**  |
|   | Crop configuration : Year : Crop species  | 16  | 11.8  | 0.12  | 2.15  | **0.001**  |
|   | *Residual*  | *138*  | *47.3*  | *0.49*  |   |   |
|   | *Total*  | *177*  | *96.6*  | *1.00*  |   |   |