Figure 3. Total invertebrates (A), predators (B), herbivores (C) and detritivores (D) in the soil column of corn monocultures (open circles) and corn interseeded with cover crops (dark circles). Data presented are mean ± SEM arthropods collected in the top 10 cm of the soil column from four fields at three locations (n = 12). Samples were taken during four corn stages throughout the growing season. Results of rm-ANOVAs are also presented (α = 0.05) with significant differences between treatments denoted with an asterisk.

A — Total invertebrates/m^2

Treatment: $F_{1, 95} = 0.72$, $P = 0.41$
Plant stage: $F_{3, 95} = 3.72$, $P = 0.02$*
Interaction: $F_{3, 95} = 0.46$, $P = 0.71$

● Corn + Cover Crop
○ Corn Monoculture

B — Predators/m^2

Treatment: $F_{1, 95} = 1.03$, $P = 0.32$
Plant stage: $F_{3, 95} = 20.35$, $P < 0.01$*
Interaction: $F_{3, 95} = 1.0$, $P = 0.46$

C — Herbivores/m^2

Treatment: $F_{1, 95} = 1.20$, $P = 0.29$
Plant stage: $F_{3, 95} = 4.28$, $P = 0.01$*
Interaction: $F_{3, 95} = 0.50$, $P = 0.69$

D — Detritivores/m^2

Treatment: $F_{1, 95} = 0.73$, $P = 0.40$
Plant stage: $F_{3, 95} = 3.59$, $P = 0.02$*
Interaction: $F_{3, 95} = 0.38$, $P = 0.77$

Plant stage: V2, V4, V8, Anthesis