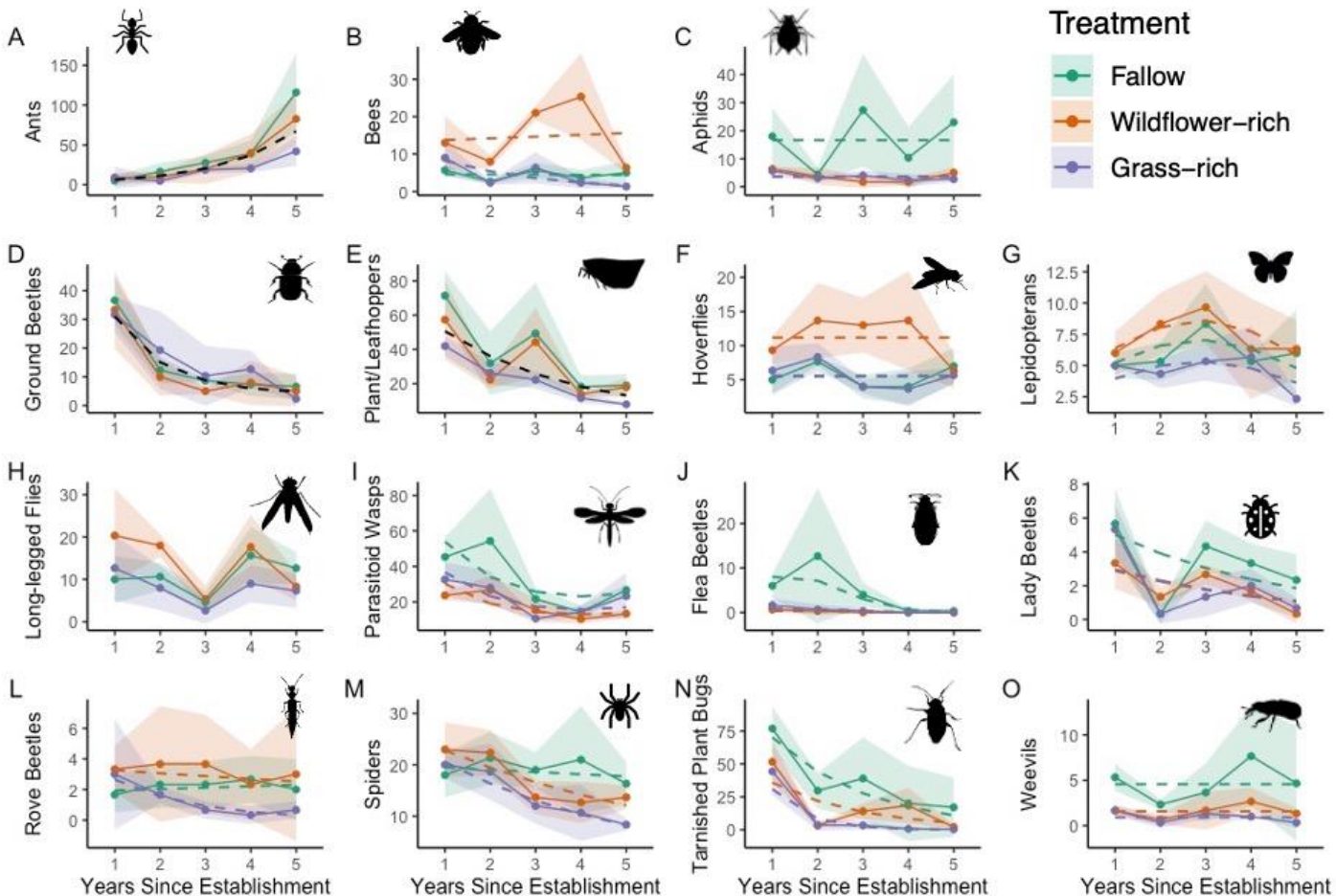


NATIVE MEADOW TRIALS

This table summarizes the effects of our experiment on the insect community when all years of data are analyzed. A "+" indicates a significant positive effect, a "-" indicates a significant negative effect.

	Fallow Control	Wildflower-rich Planting	Grass-rich Planting
Invertebrate Pests	+ Aphids + Flea Beetles + Weevils	+ Lepidopterans	- Tarnished Plant Bugs - Lepidopterans
Invertebrate Beneficials	+ Parasitoid Wasps	+ Bees + Hoverflies	
Invertebrates: Multiple Categories/Other		+ Rove beetles	

This quilt of hard-to-read little graphs shows how various taxa have responded over time to the changes in our experimental plots. Claudia has shown a decrease in flower abundance over the years – has that had any apparent effect on the insects? Year 1 = 2018, Year 2 = 2022.



- Bees**
- Agapostemon virescens*
 - Bombus bimaculatus*
 - Bombus impatiens*
 - Ceratina calcarata*
 - Lasiglossum* spp. **
 - Melissodes bimaculatus*
 - Peponapis pruinosa*

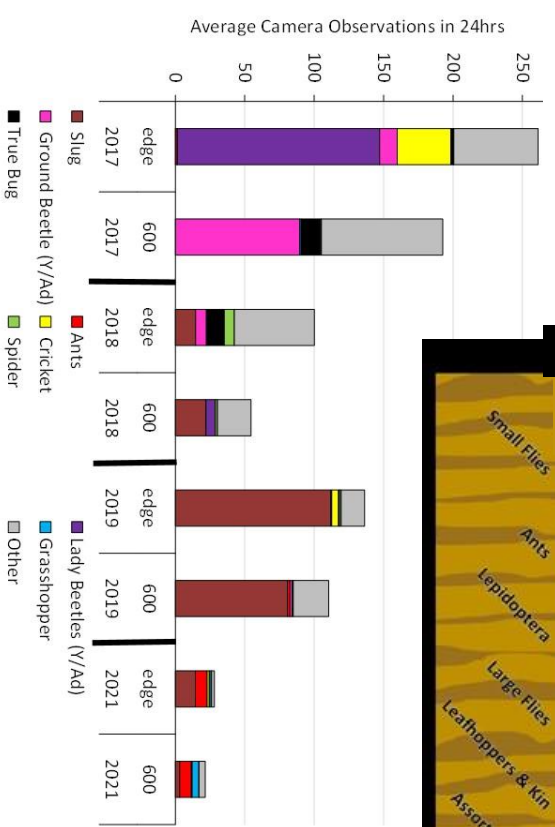
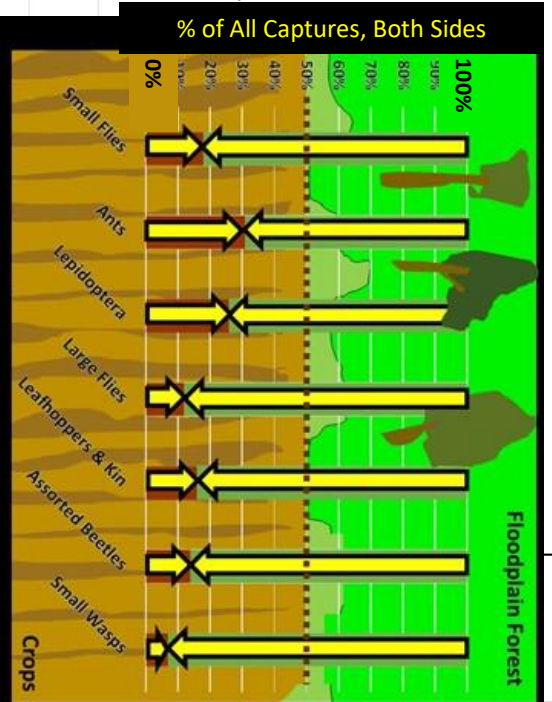
- Ground Beetles**
- Anisodactylus rusticus*
 - Anisodactylus sanctaecrucis*
 - Bembidion quadrimaculatum*
 - Chaenius aestivus*
 - Chaenius tricolor*
 - Clivina fassor*
 - Elaphropus anceps*
 - Harpalus affinis*
 - Harpalus pensylvanicus*
 - Harpalus rufipes*
 - Poecilus chalcites*
 - Poecilus lucublandus*
 - Pterostichus melanarius*
 - Stenolophus leconteii*

- Hover Flies**
- Allograpta obliqua*
 - Eupodes americanus/pomus*
 - Toxomerus geminatus*
 - Toxomerus marginatus*
 - Toxomerus politus*

This table shows some of the more common insect species shared between field and forest.

** - Difficult to ID genus with various species

The graph below shows observations of visitors to Fall Army Worm sentinel bait across four years, at field edge and 600 ft into field. The diagram to the right shows the balance of insect captures between the forest and field sides of our directional malaise traps.



THE FIELD/FORREST EDGE

The figures below show the abundance of various insect groups across our transects for all seven years so far analyzed.

