Cover crops: Controlling pests at multiple trophic levels

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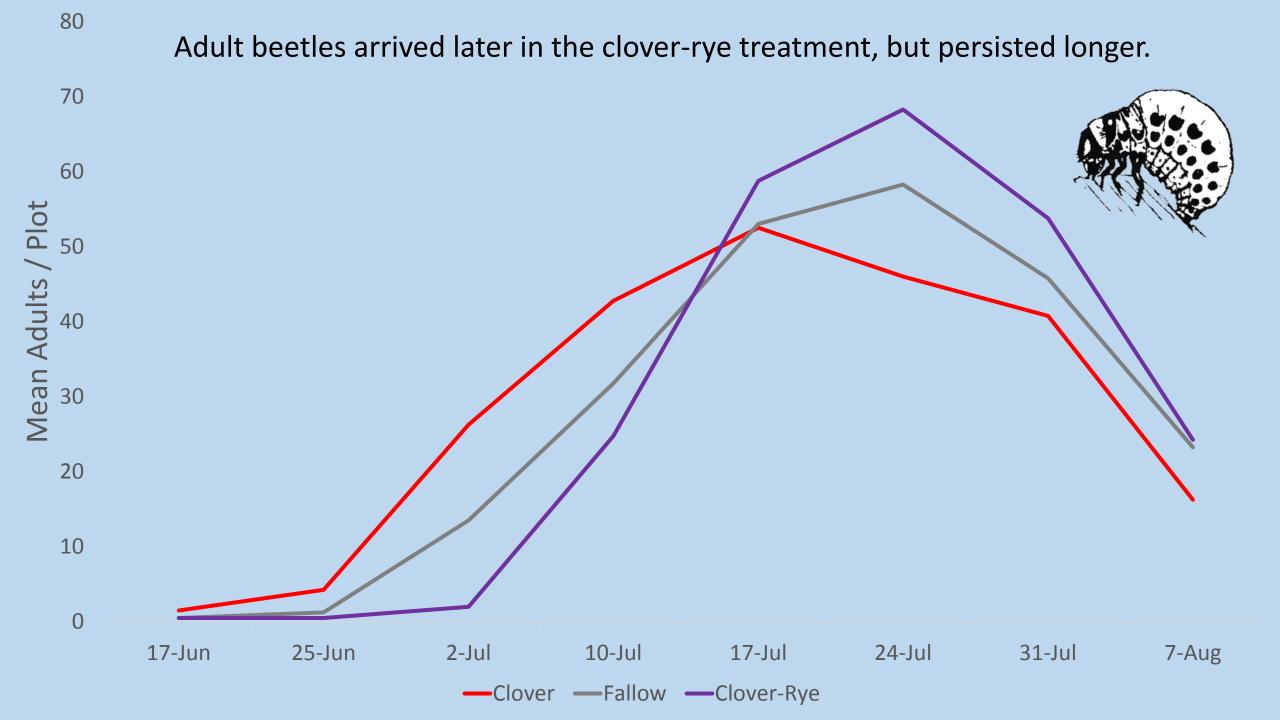


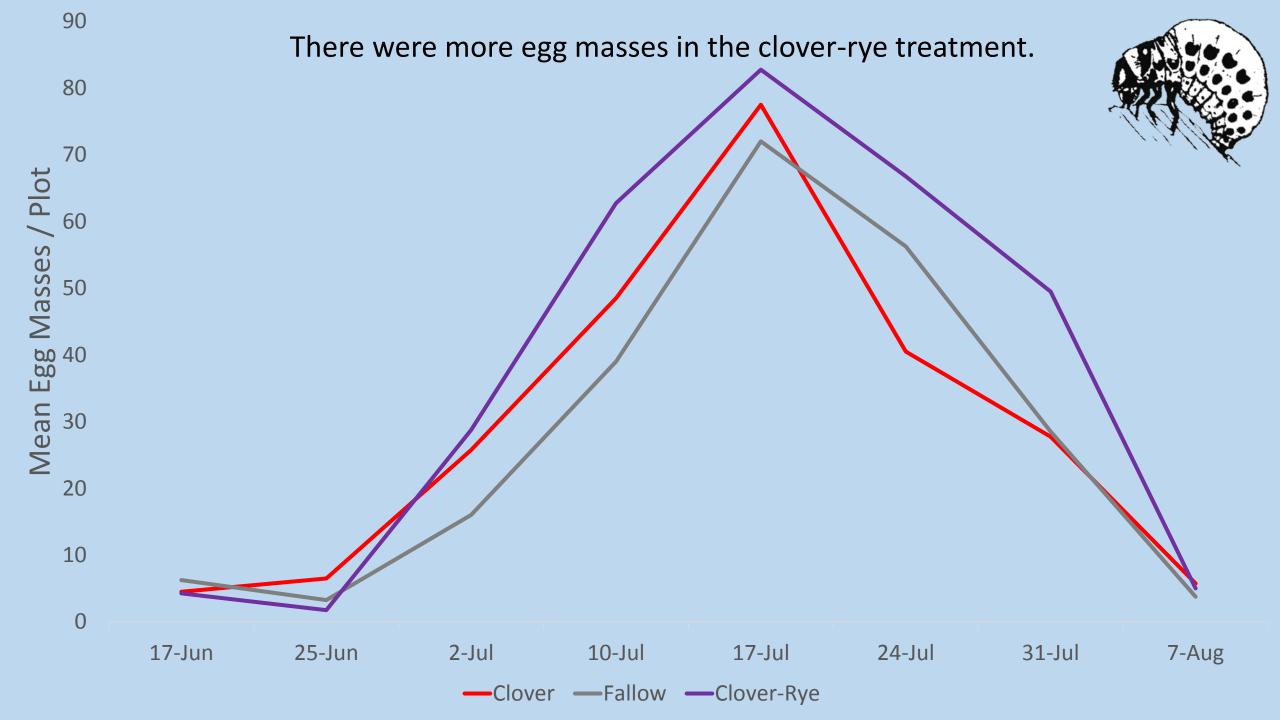


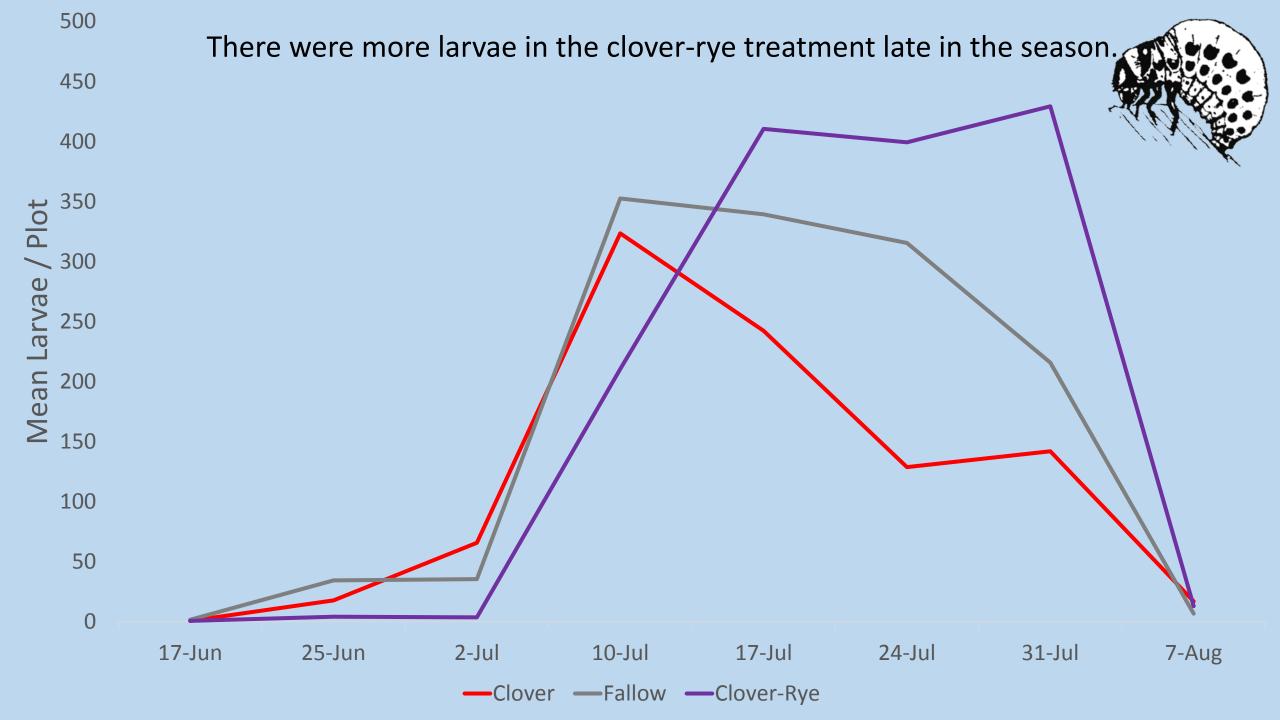


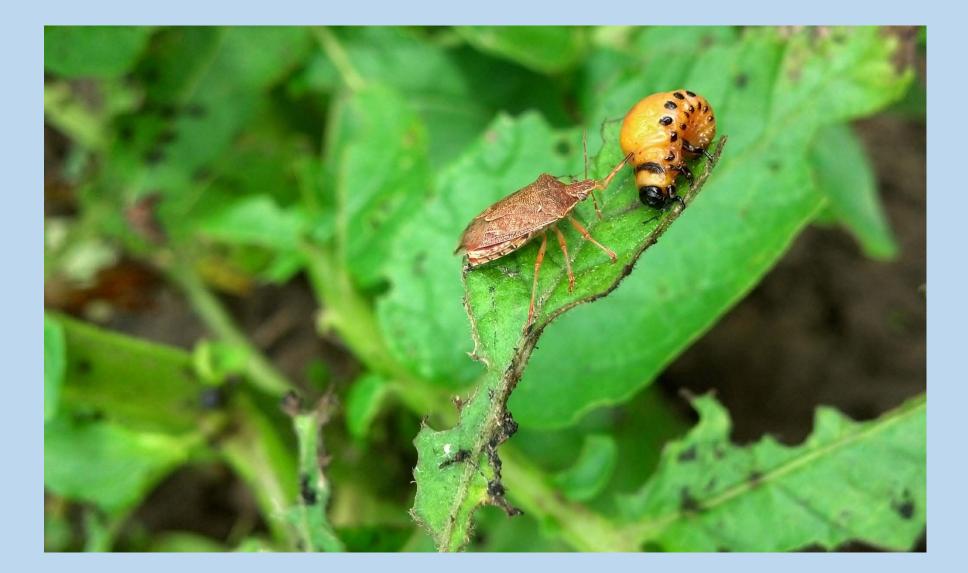
Clover-Rye	Clover	Fallow
Fallow	Clover-Rye	Clover
Clover	Clover-Rye	Fallow
Clover	Fallow	Clover-Rye

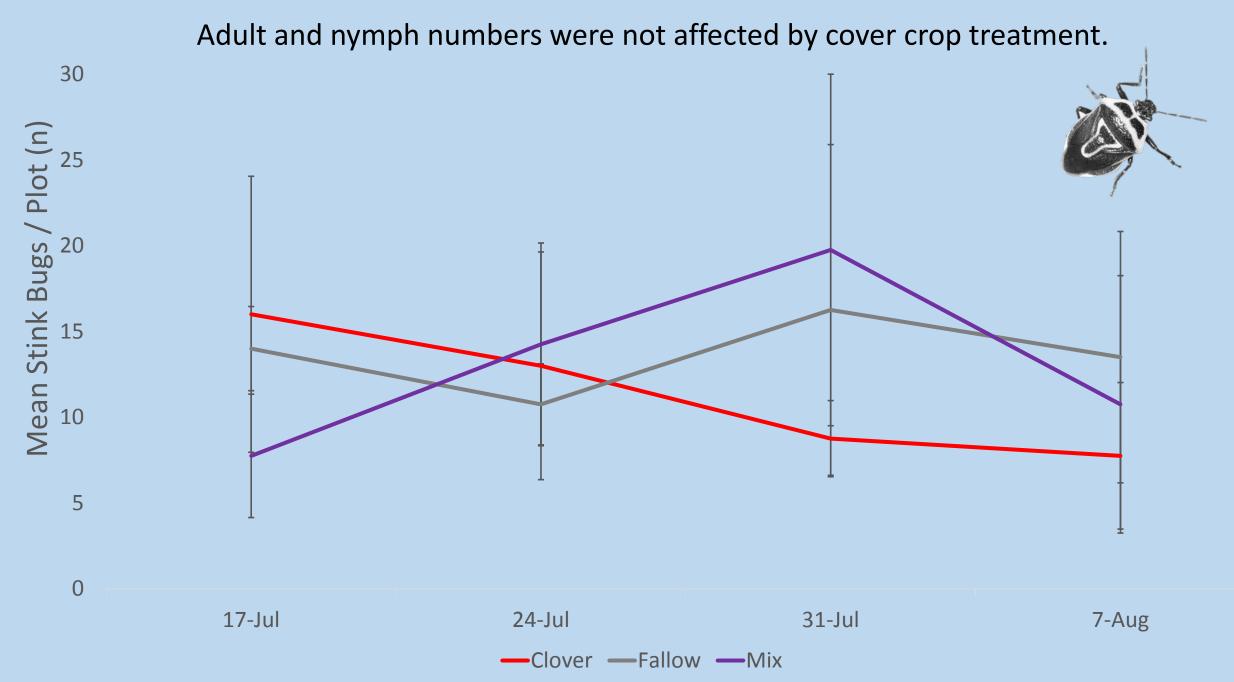




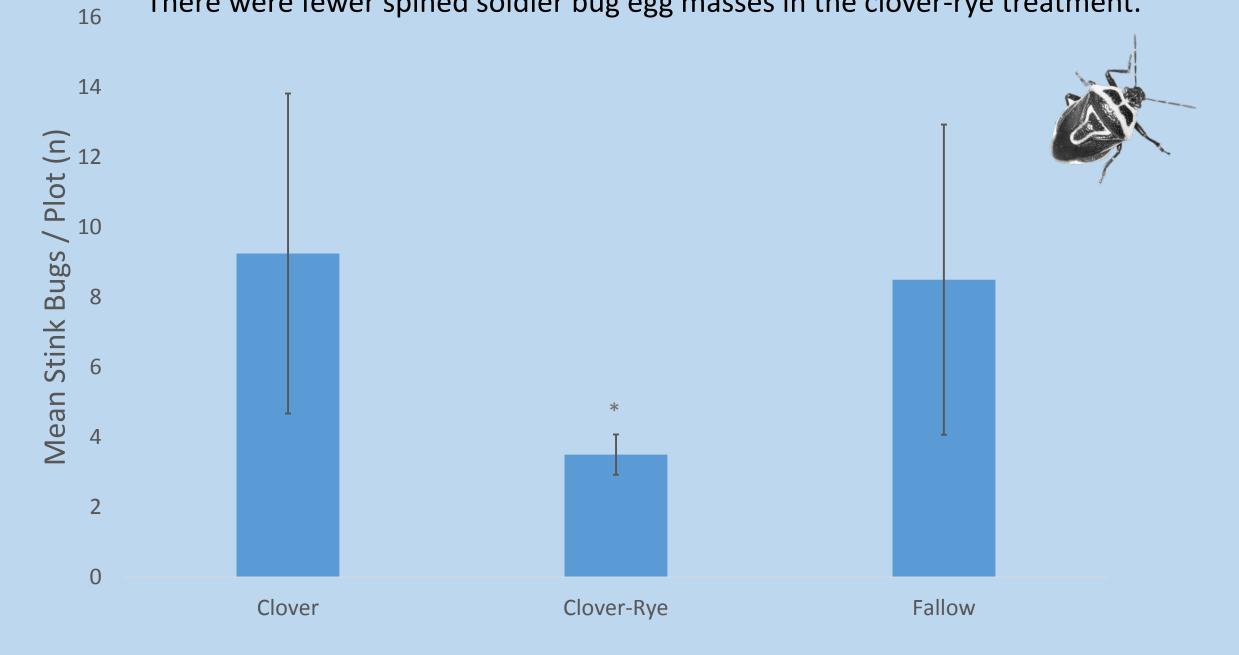






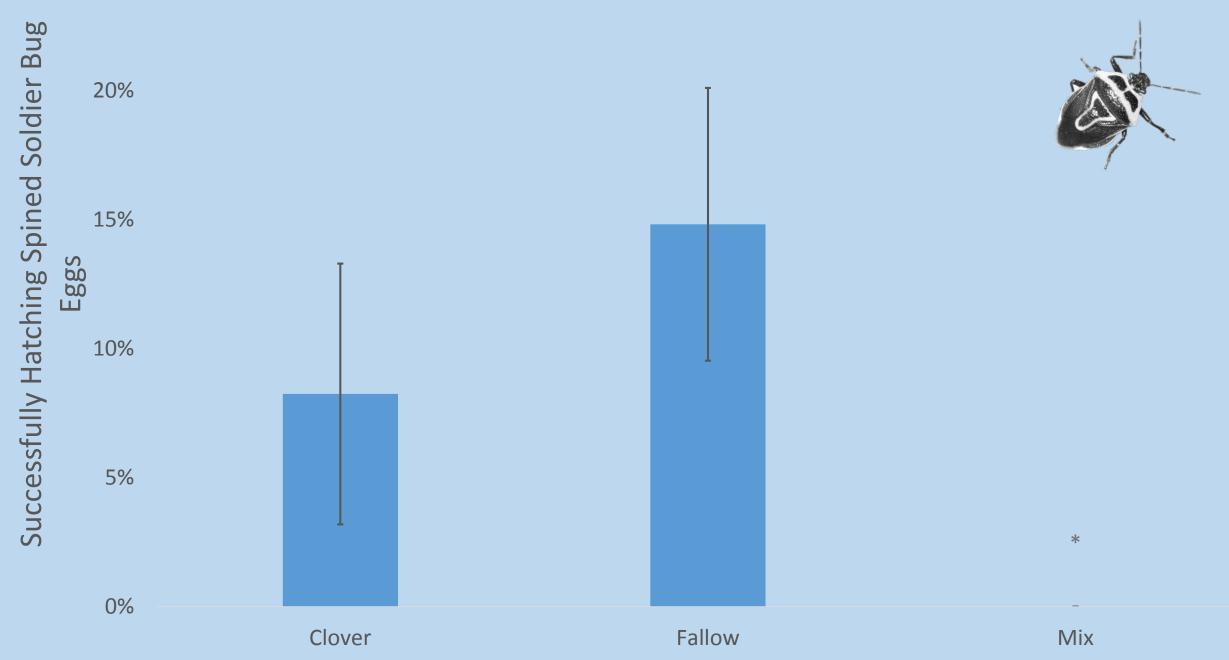


There were fewer spined soldier bug egg masses in the clover-rye treatment.

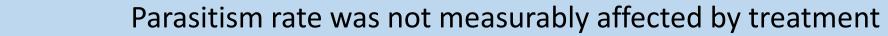


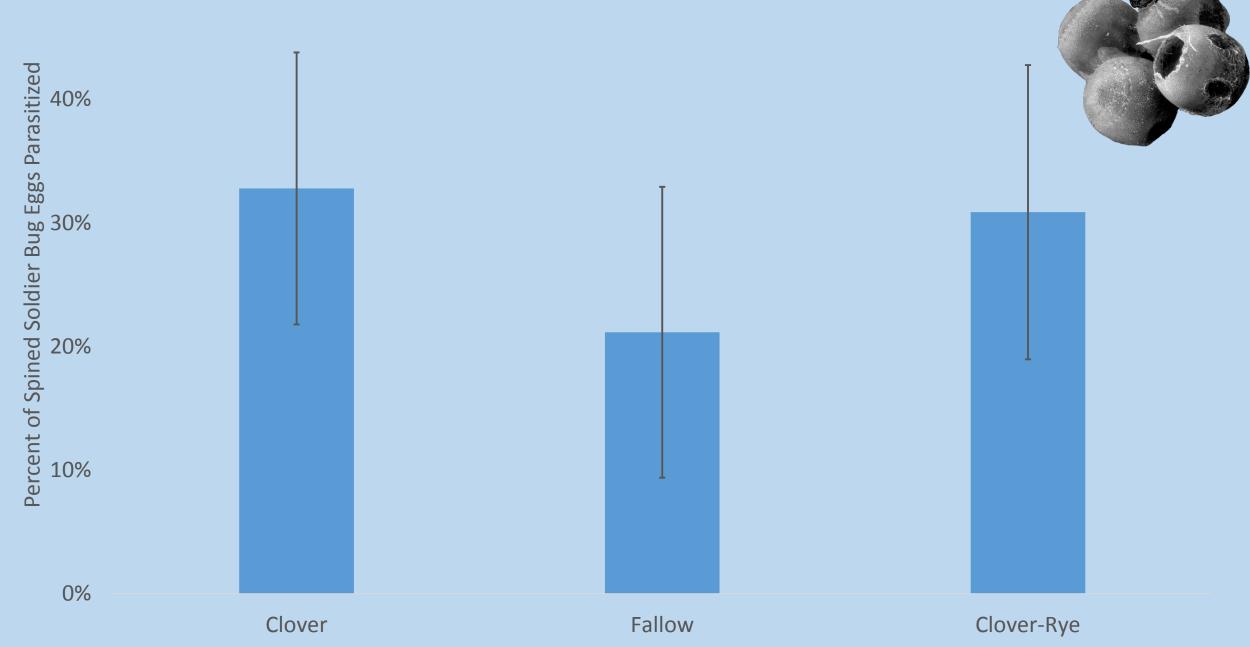
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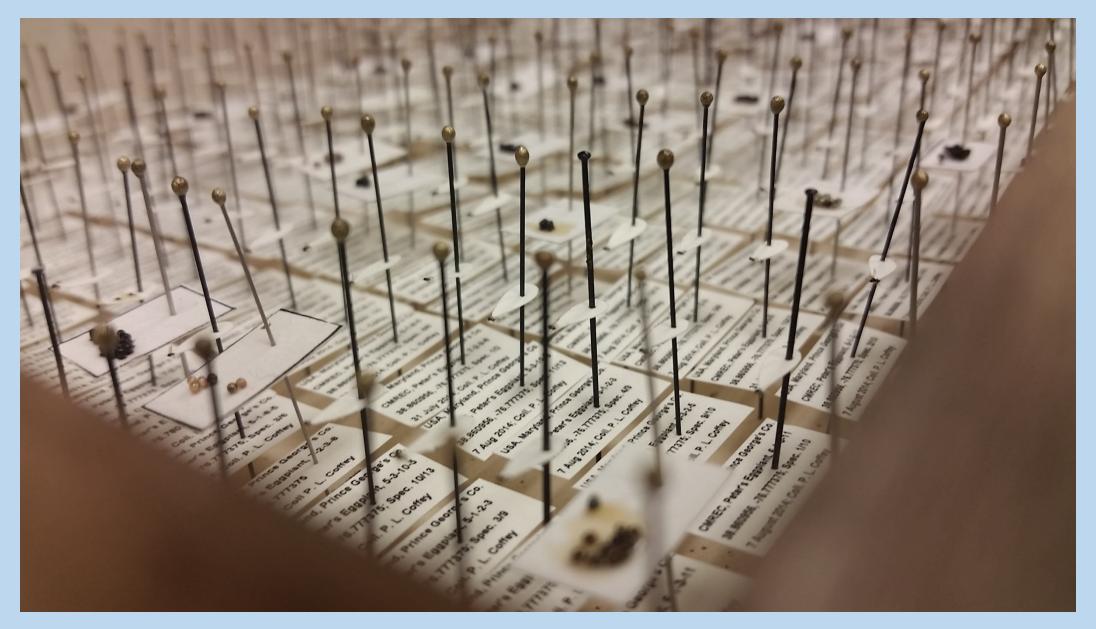
The spined soldier bug eggs laid in the clover-rye treatment did not survive.



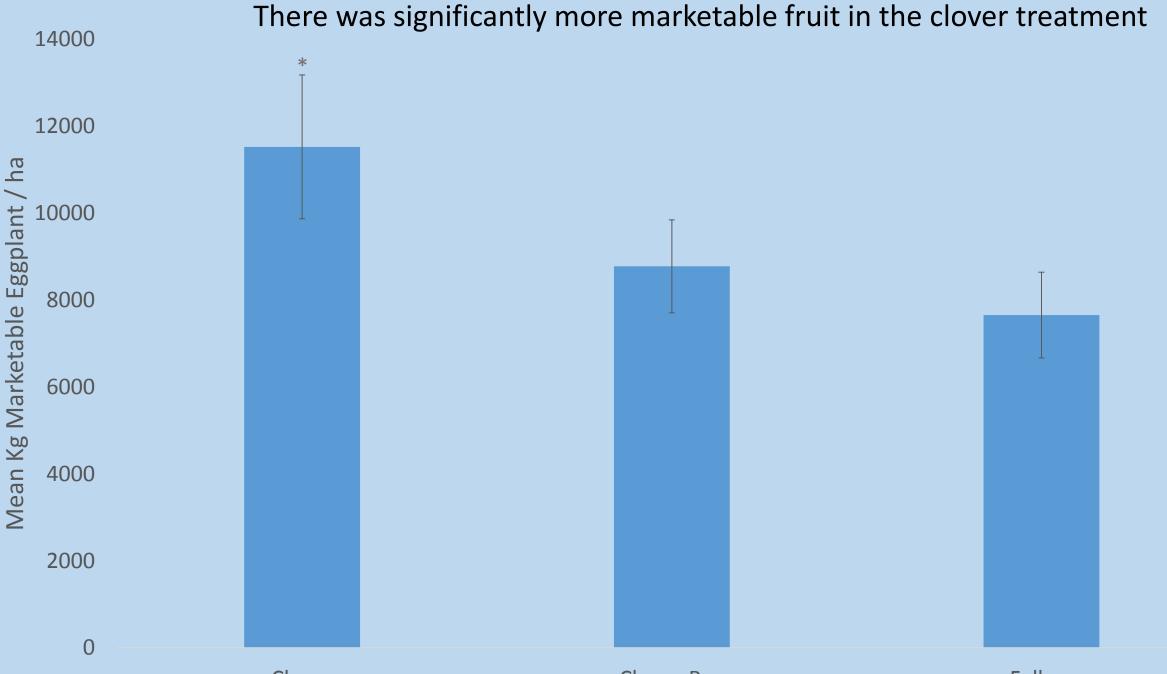








Identification of parasitoids reared from all egg masses will allow us to compare parasite populations



Clover

Clover-Rye

Fallow

- The clover-rye mix underperformed the clover alone, and had higher pest numbers.
- Predators avoided ovipositing in the clover-rye mix, and failed to hatch when they did.
- Ongoing research is investigating if the cover crop treatments may be altering the parasitoid population in the field.

