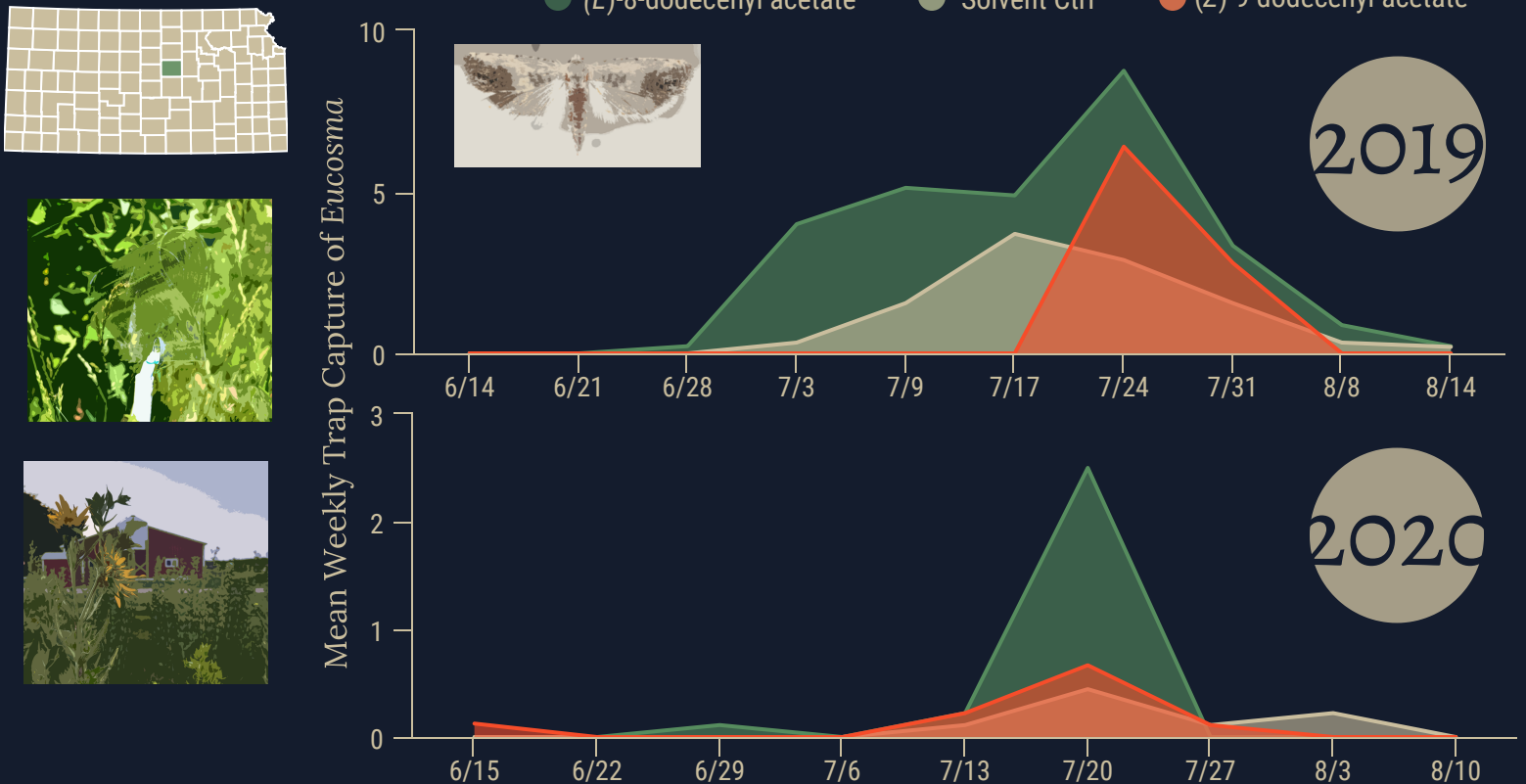


Field attraction and flight capacity of *Eucosma giganteana* to semiochemicals identified from congeneric species

Rob Morrison(1), Kaitlyn Ruiz(2), Samantha Gillette(2), Chase Stratton(3), and Ebony Murrell(3)

¹USDA-ARS Center for Grain and Animal Health Research, ²Kansas State University, ³The Land Institute

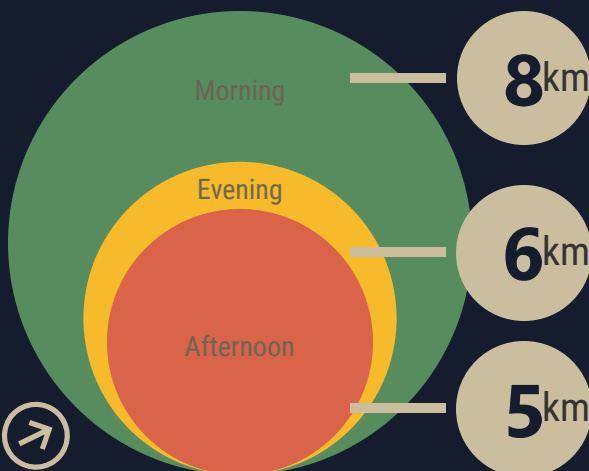
Reliable season-long monitoring of *E. giganteana* with clear sticky cards and the generalized attractant (E)-8-dodecenyl acetate



Baseline **flight capacity** for *E. giganteana* is between 4-13 km depending on **time of day** and presence of **semiochemicals**.

Moths fly further in the morning

Semiochemicals reduce flight capacity



3-fold reduction

in distance flown during morning flights in the presence of (E)-8-dodecenyl acetate and (Z)-9-dodecenyl acetate

4-fold reduction

in distance flown during afternoon flights in the presence of (Z)-9-dodecenyl acetate