
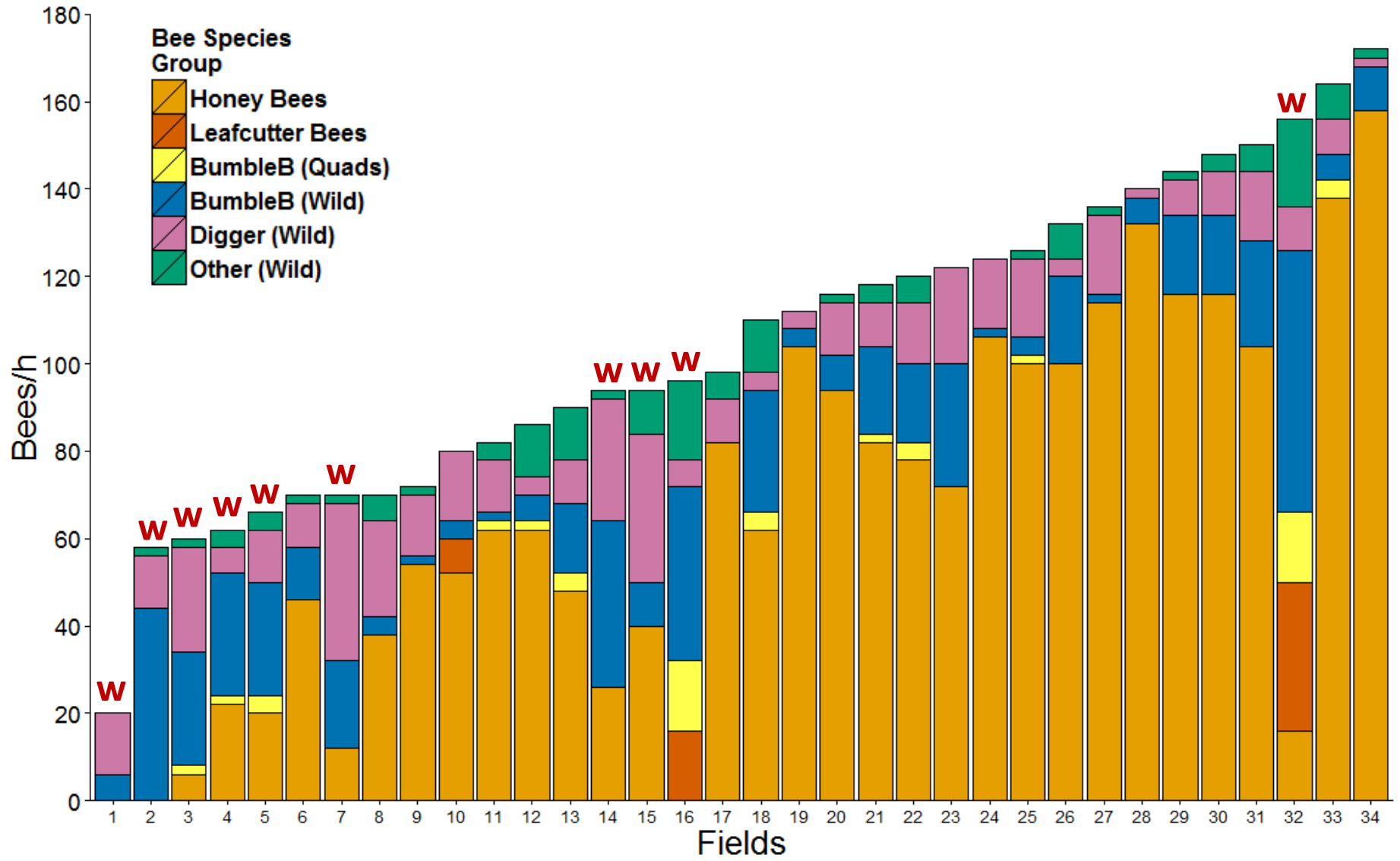


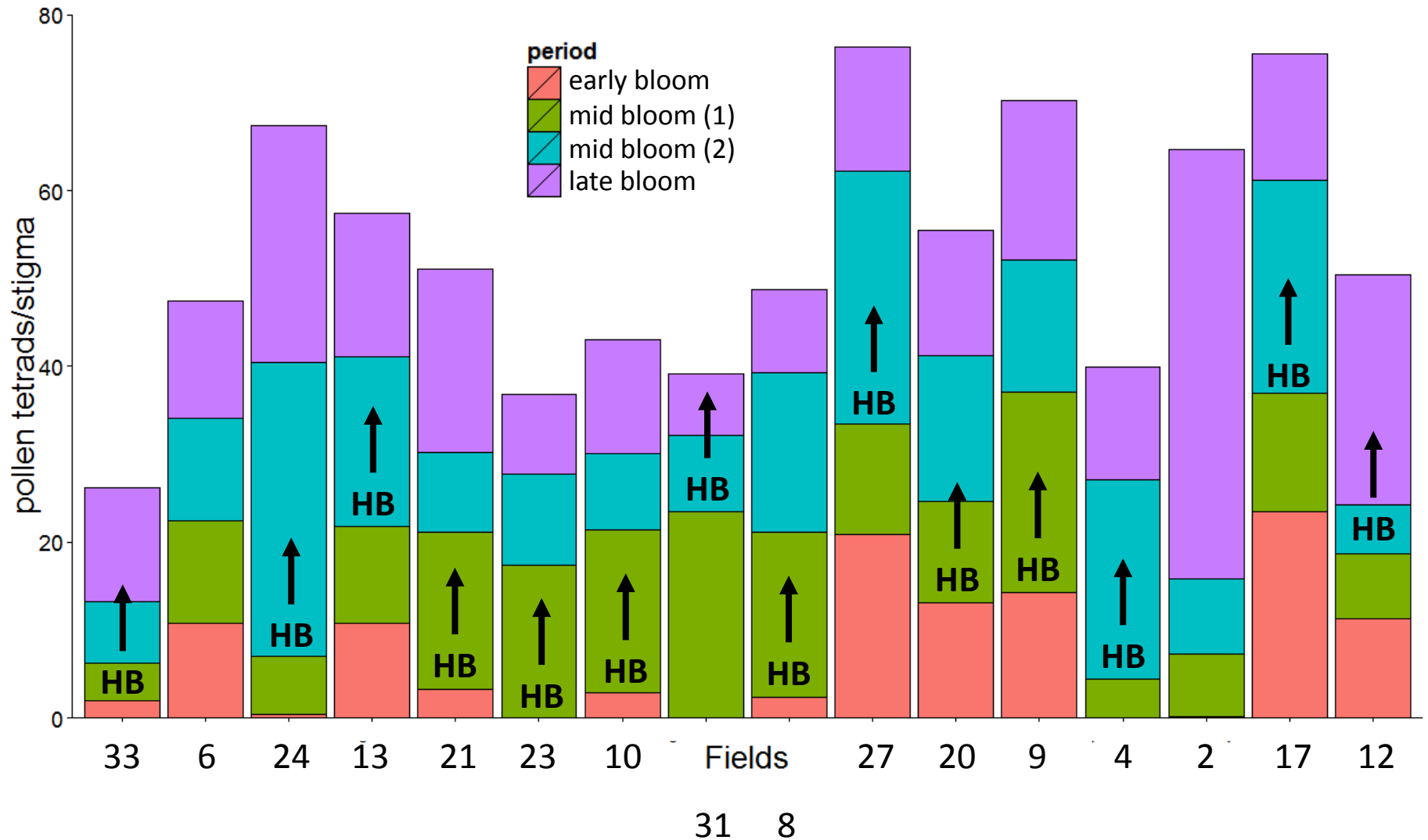
Which Bees Are Visiting Blossoms?

The majority of the bees on a third of the fields in 2014 were wild species (**w**),
managed bumble bees low numbers 



How Many Pollen Grains Are Bees Depositing?

No clear patterns, although pollen deposition seems to increase after HB colonies placed into field.



How Many Pollen Grains Are Bees Depositing?

Focusing on the mid-bloom (2) looking at how many pollen tetrads per stigma



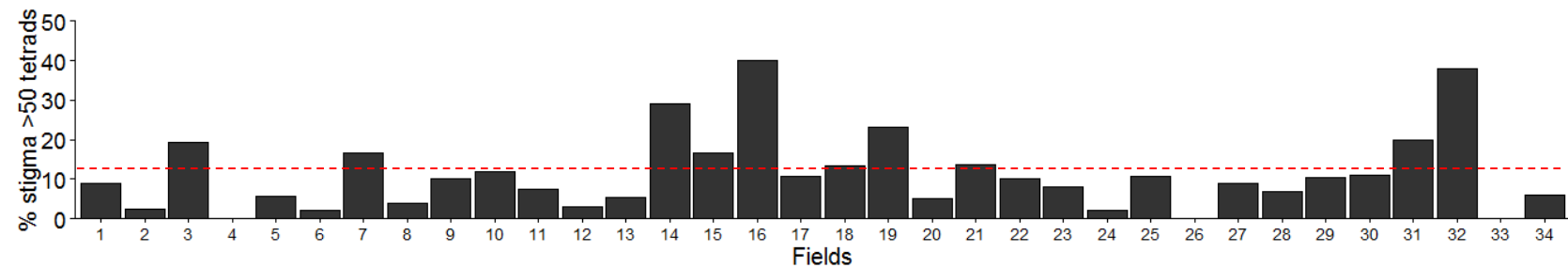
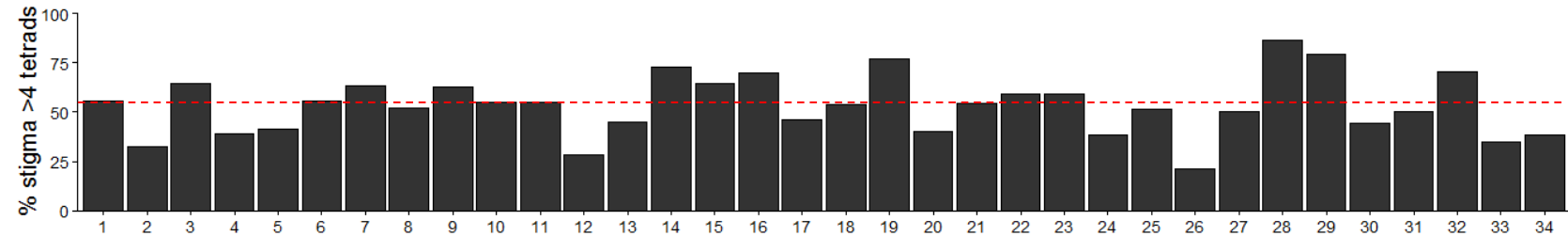
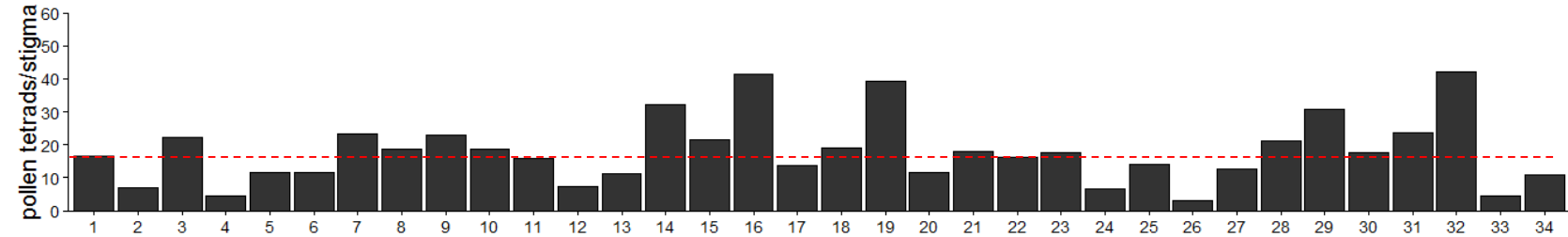
COUNT
tetrads/
stigma

> 4

tetrads/
stigma

> 50

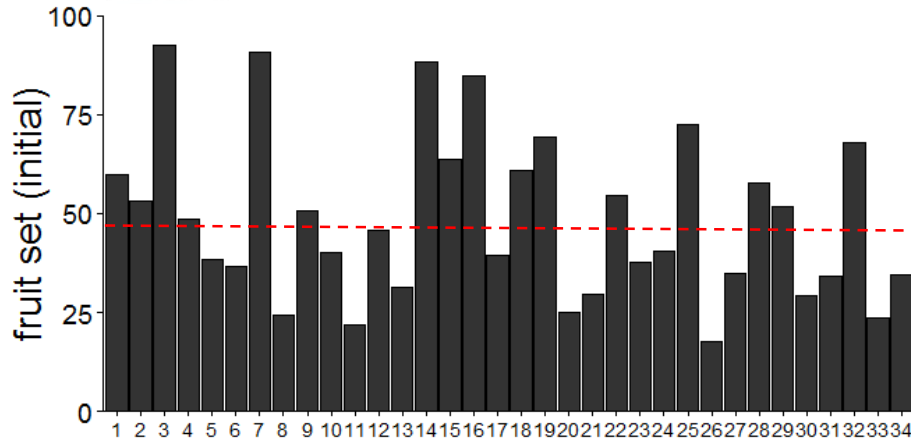
tetrads/
stigma



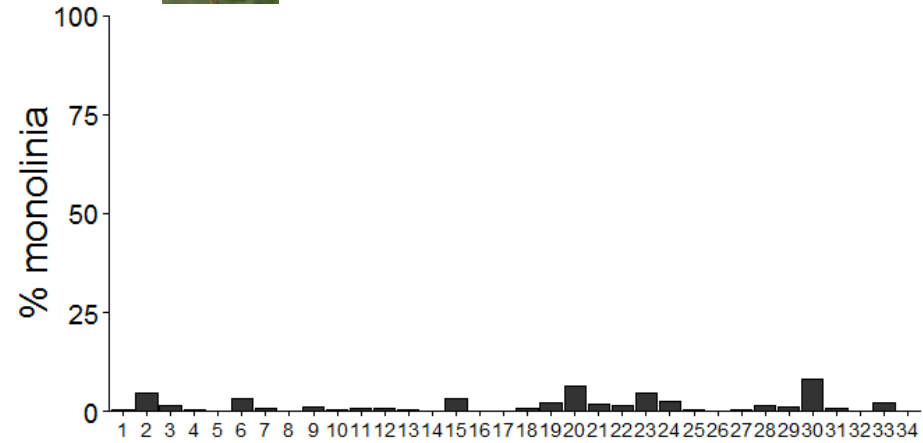
How Did the Percent Fruit Set Vary?



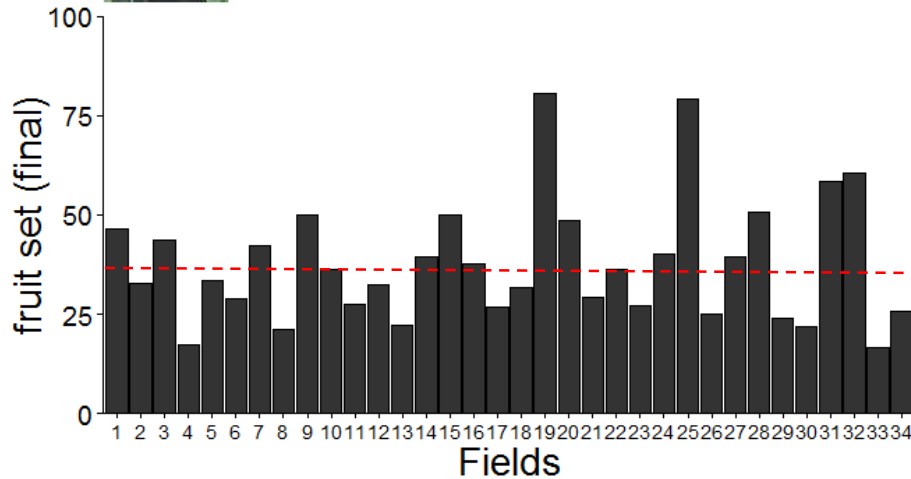
Initial Set



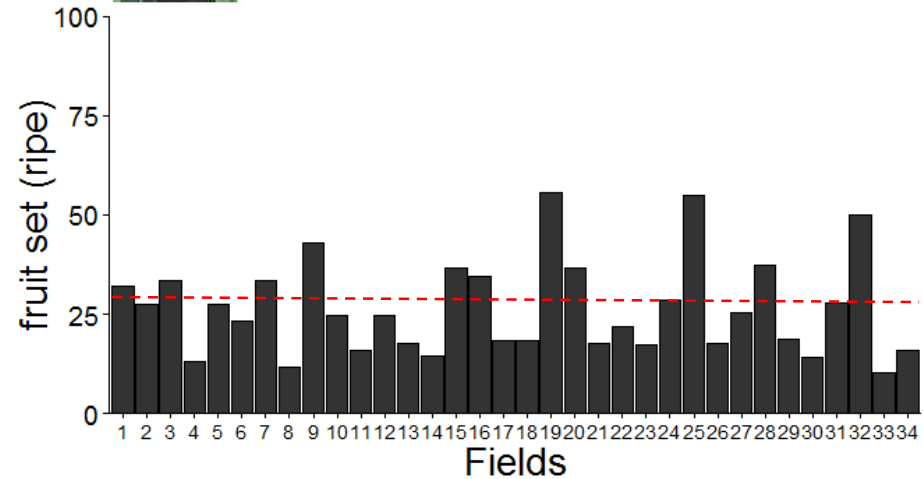
Fruit loss to monilinia



Total Harvested (*green + ripe*)



Ripe Harvested



Which Bees Are Moving Pollen?

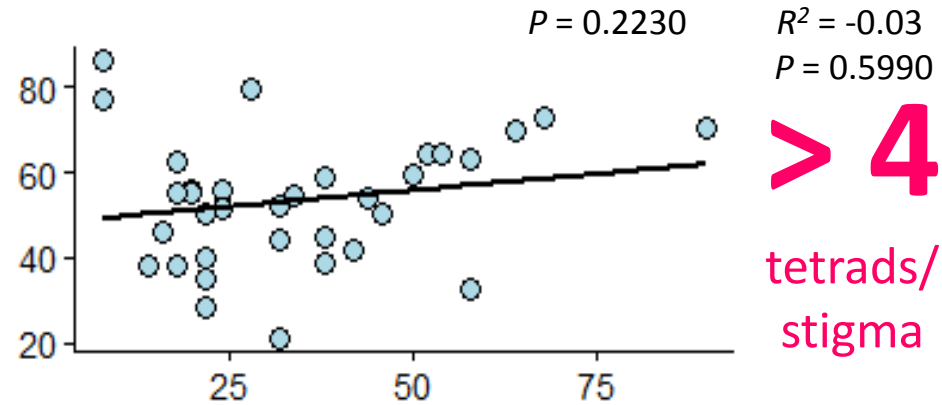
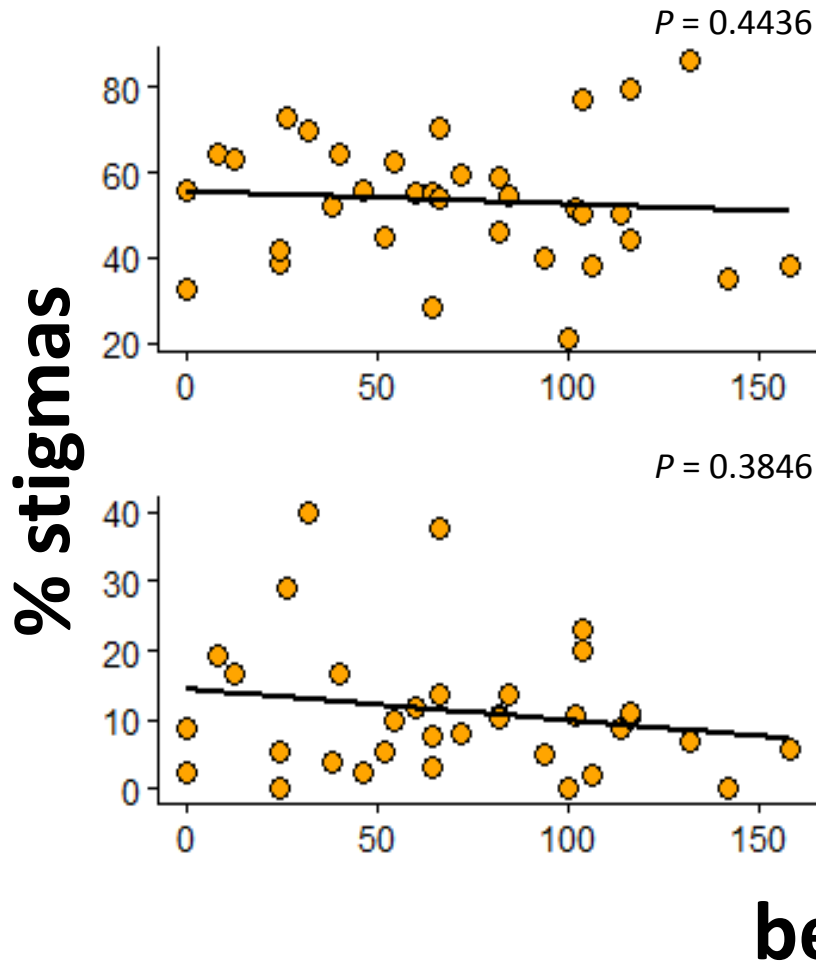
In 2014 only wild bees increase the rate of stigmas with high loads of pollen.



managed pollinators species



wild pollinators species



> 4

tetrads/
stigma

> 50

tetrads/
stigma





Pine

Blueberry

Blueberry

[White label]

Which Bees Contribute to Higher Fruitset?

In 2014 only wild bees increased fruit set, but only initial, not final ripe fruitset.

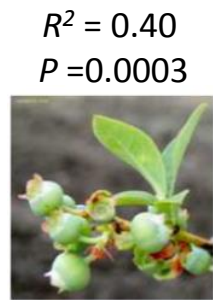
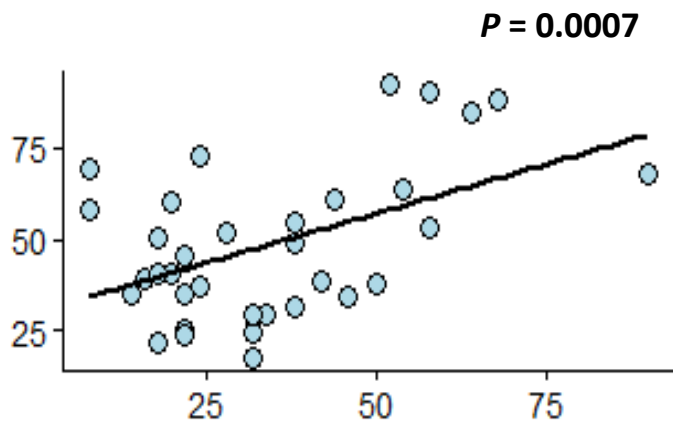
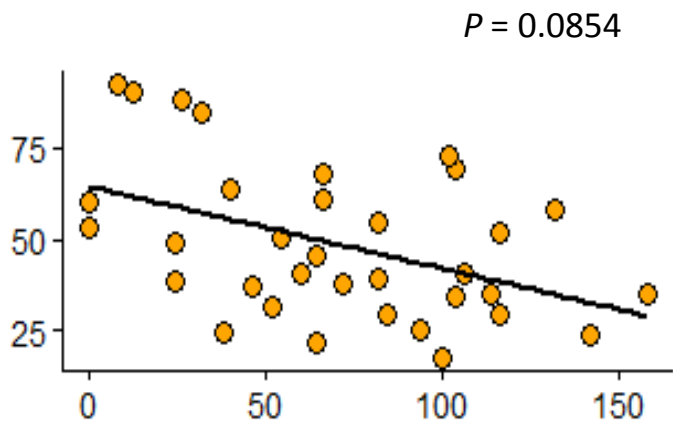


managed pollinators species

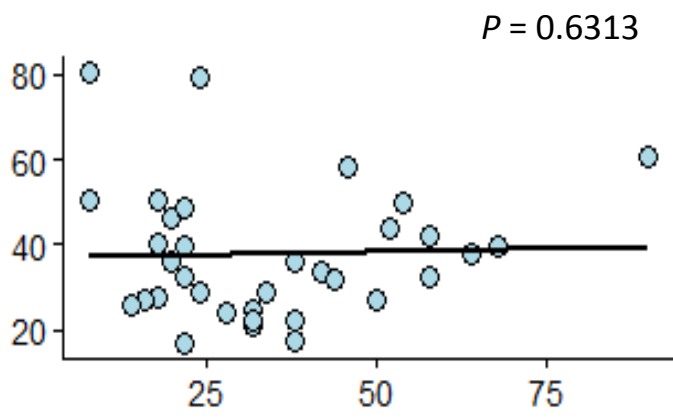
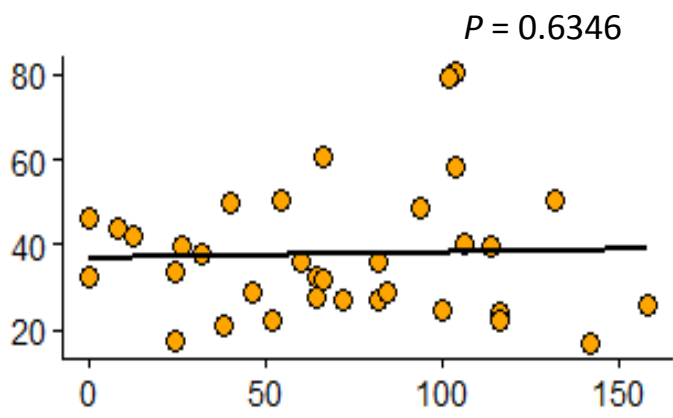


wild pollinators species

% fruit set



initial fset



final fset

bees / h