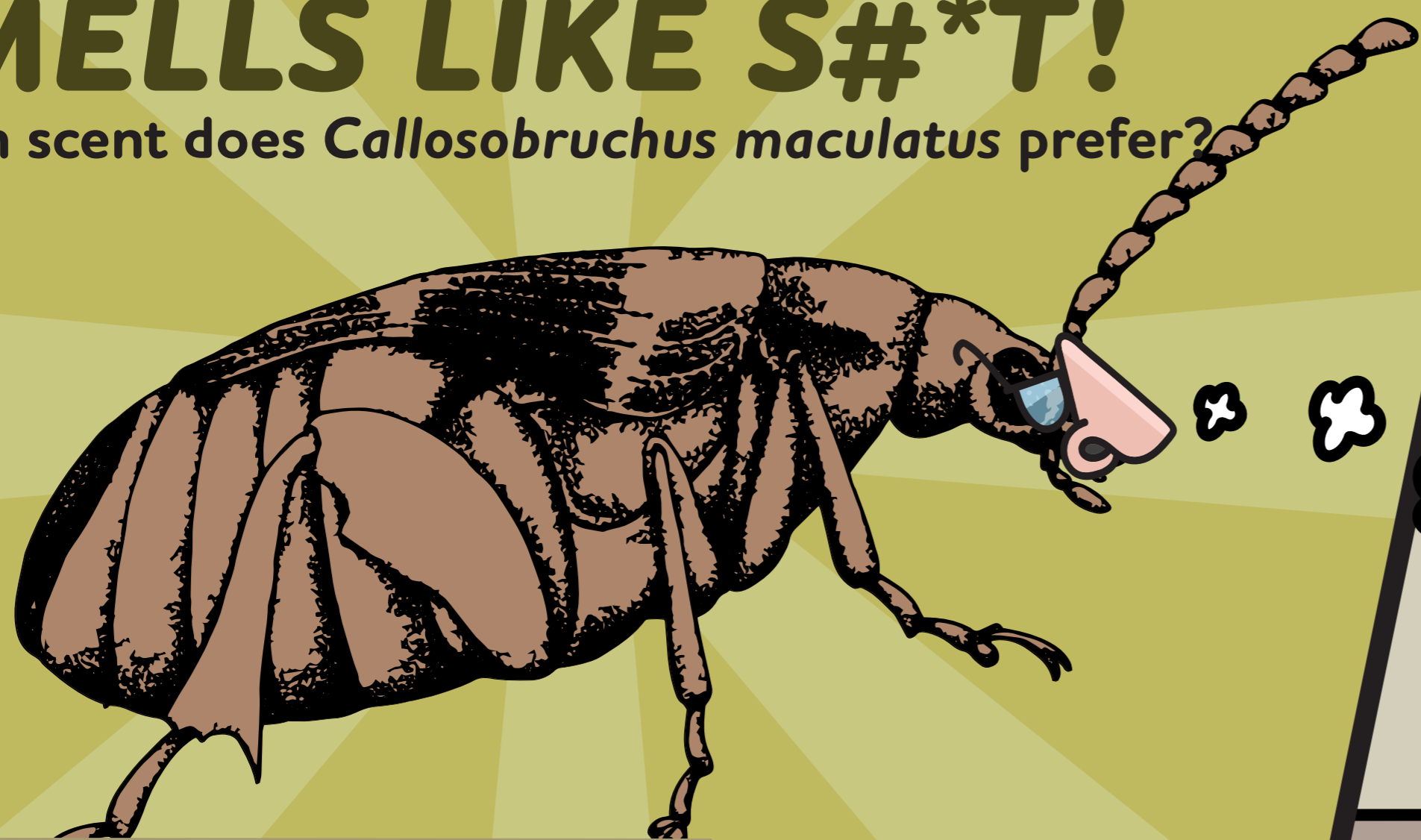


SMELLS LIKE S#*T!

Which scent does *Callosobruchus maculatus* prefer?



C. maculatus is an invasive species and the only food it gets in its lifetime is from the bean it was born on.¹ Therefore, the choice of bean is crucial for reproductive success.

Many insects use semiochemical cues ('smell') to locate their food (beans) for ovipositioning.² The goal of this experiment was to see how familiar and unfamiliar scents affected their egg-laying behaviour in regards to choice of bean.

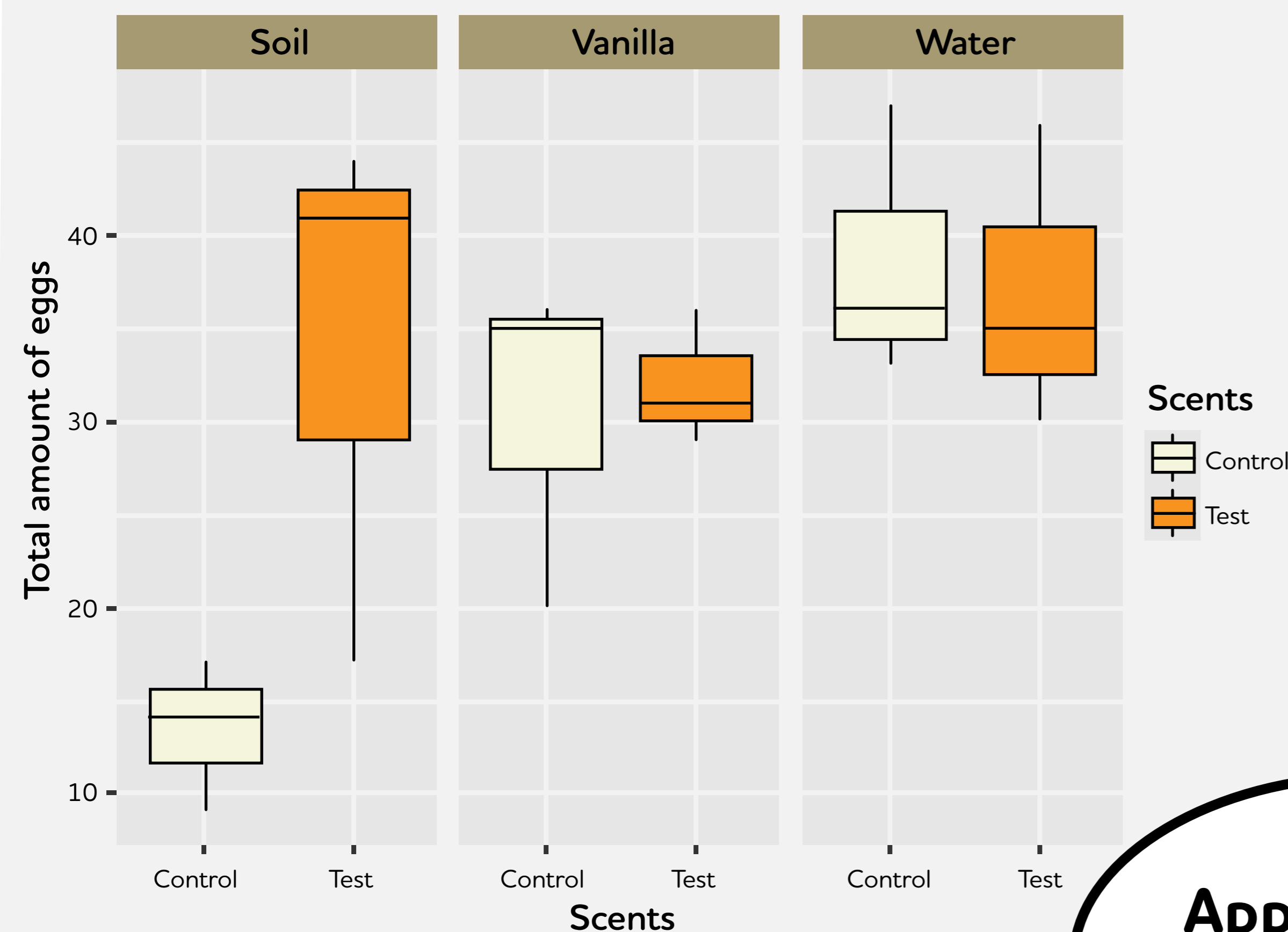
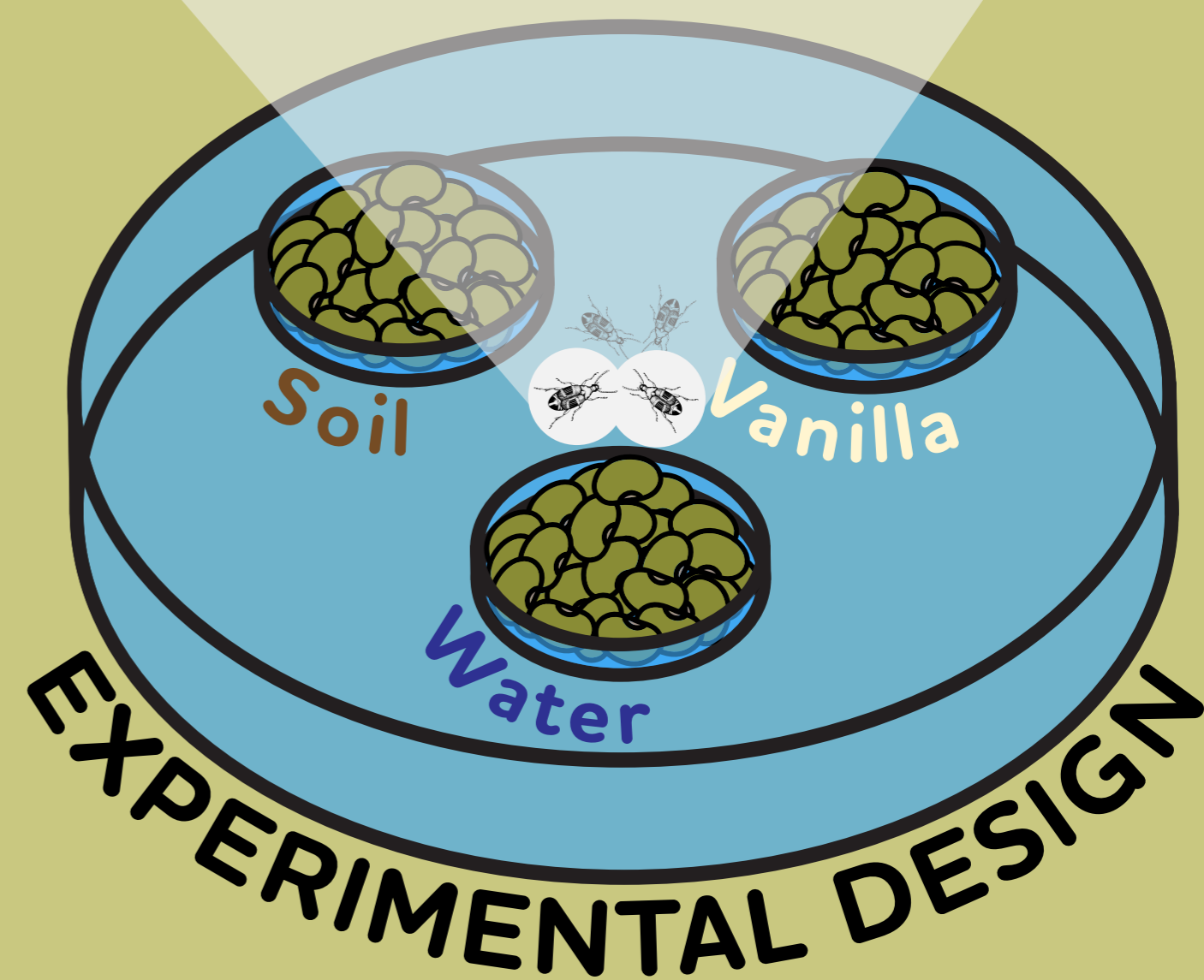
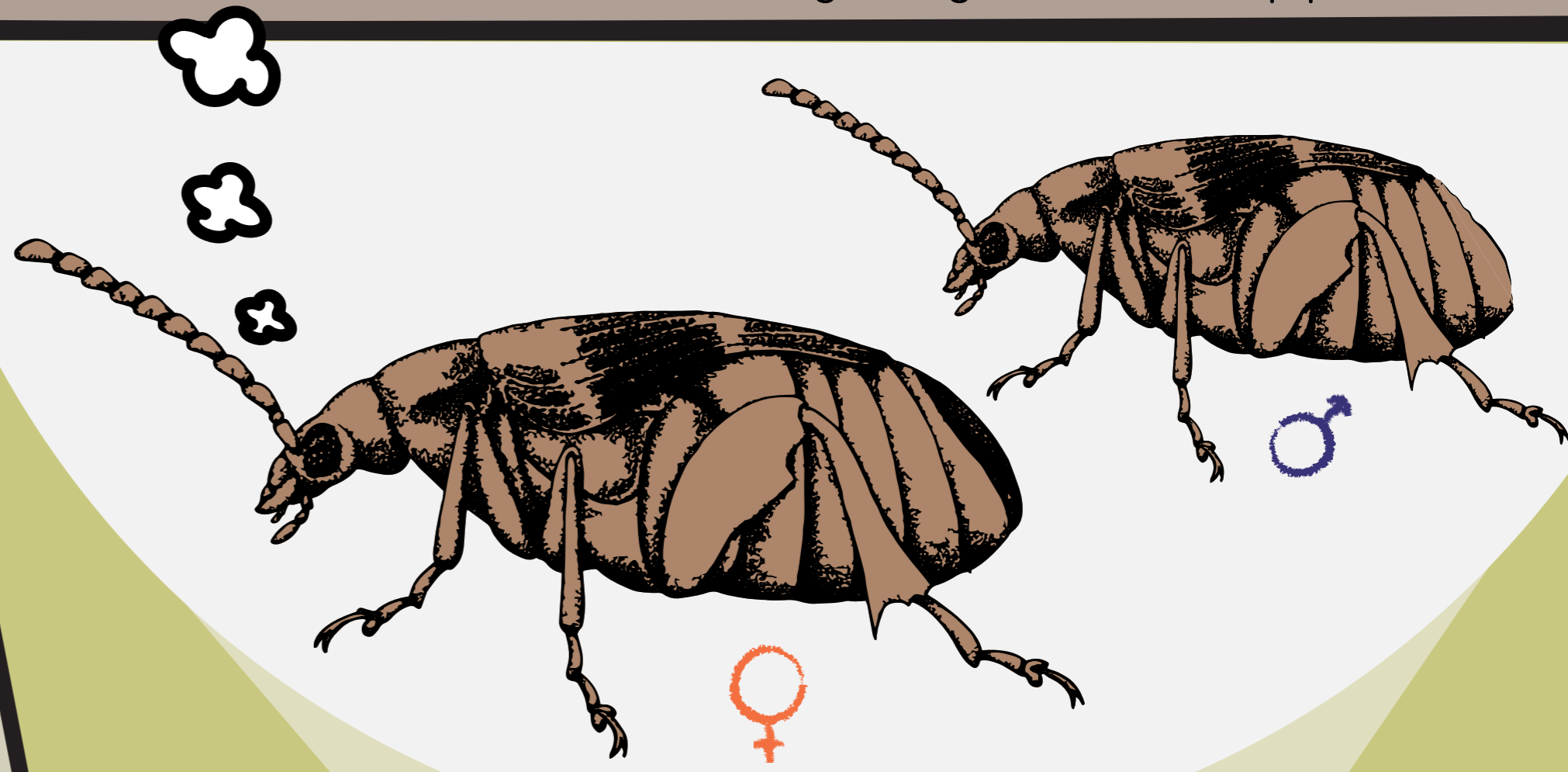
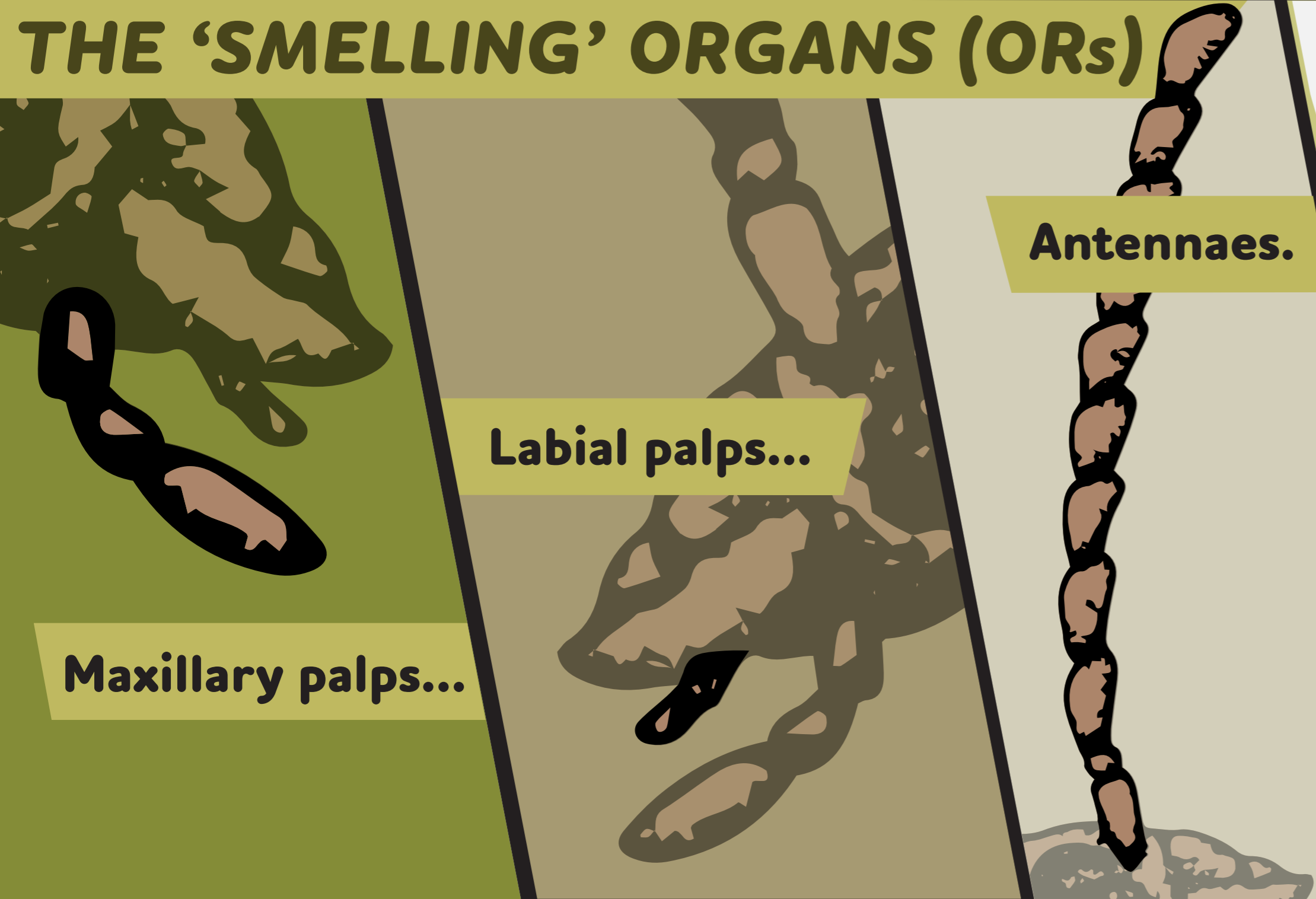
THE HYPOTHESIS

C. maculatus will prefer familiar scents (soil) when choosing beans for ovipositioning

Where should I lay my eggs at?

The findings generated in this experiment could be interesting in regards to i.a. crop protection³

THE 'SMELLING' ORGANS (ORs)



Apparently, I don't give a f@*k!

BUT WHY?

Too small sample

Intraspecific competition between larvae.

Trade-off between quantity and quality areas.

The specific scents has no effect.

Not just one criteria for choosing beans

KEY FINDINGS:

- We did not find proficient evidence that the scent affected *C. maculatus* ovipositioning behaviour.
- Further research has to be done to uncover the role the ORs has in the life cycle of the bean beetle.

