Two beetles in NZ
endemic and congeneric

Outbreak of one species
following the introduction of exotic pastoral plants

Investigate
the feeding preferences of
the larvae of both
Costelytra species.

Compare
the fitness performance of two
populations of the invasive species on
native and exotic host plants.

EXOTIC

NATIVE

DISCUSSION AND CONCLUSION

Ability to utilise novel/exotic host = pre-adaptation or phenotypic plasticity
in C. zealandica that may have contributed to its invasion success.

Differences in feeding preferences between populations of C. zealandica
confirm recent evidence of the existence of distinct host-races
in this invasive species.