

# Influence of robust and production-oriented cattle breeds on pasture vegetation

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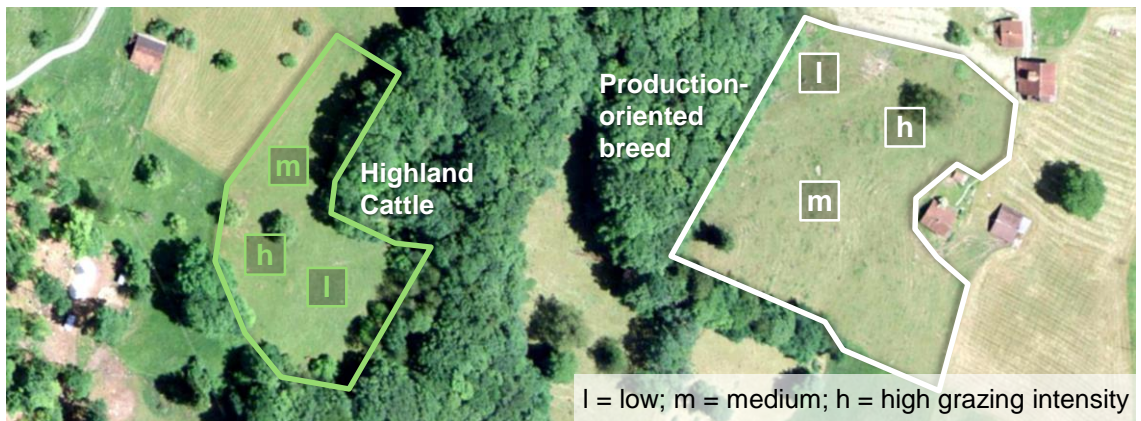
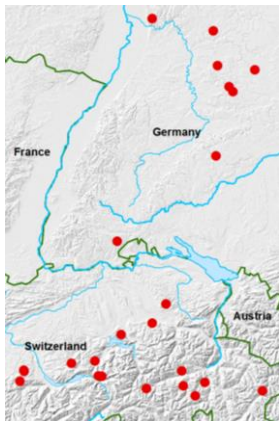
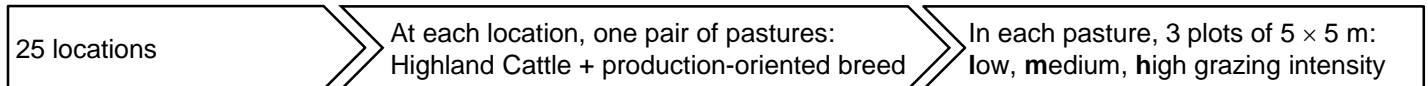
## Research question

Do pastures grazed by a robust cattle breed, as represented by Highland Cattle, differ from those grazed by production-oriented breeds?

## Conclusions

- Highland Cattle have a positive influence on plant species richness of pasture vegetation.
- Vegetation grazed by Highland Cattle is characterised by a lower cover of woody species as well as indicator species for grazing tolerance, irrespective of management effects.

## Paired and nested design

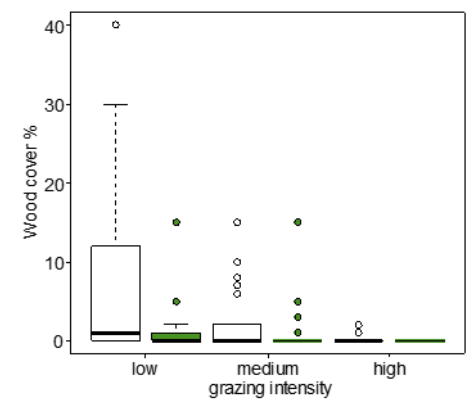
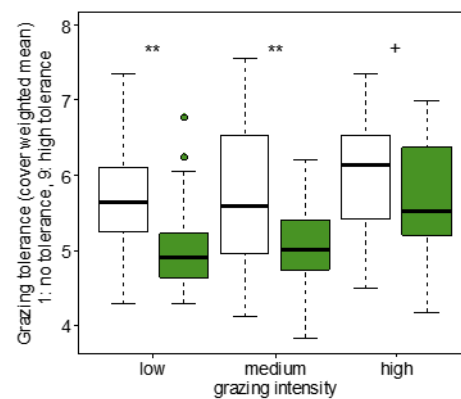
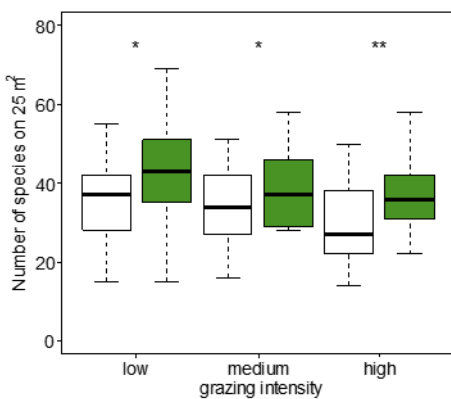


## Results

Plant species richness in plots grazed by Highland Cattle was on average 18% higher.

The mean indicator values for grazing tolerance was, on average, 0.53 units lower on Highland Cattle pastures.

Woody species tended to cover less area on Highland Cattle pastures than on other pastures (p=0.08).



□ Production-oriented breed    ■ Highland Cattle    \*\* p < 0.01, \* p < 0.05, + p < 0.1

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