

Resilience and Yield Stability in Intensive Grassland:

Evaluation of Seed Quality and Species Selection under Alpine Conditions

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The „ideal“ plant stand

- A high-performing and site-adapted permanent grassland sward forms the key basis for sustainable livestock production.
- Due to climate change and the resulting droughts, as well as improper management, this “ideal stand” may come under increasing pressure
- **For this reason, the Seedmix project was launched in 2020 to develop and identify climate-resilient grassland seed mixtures**

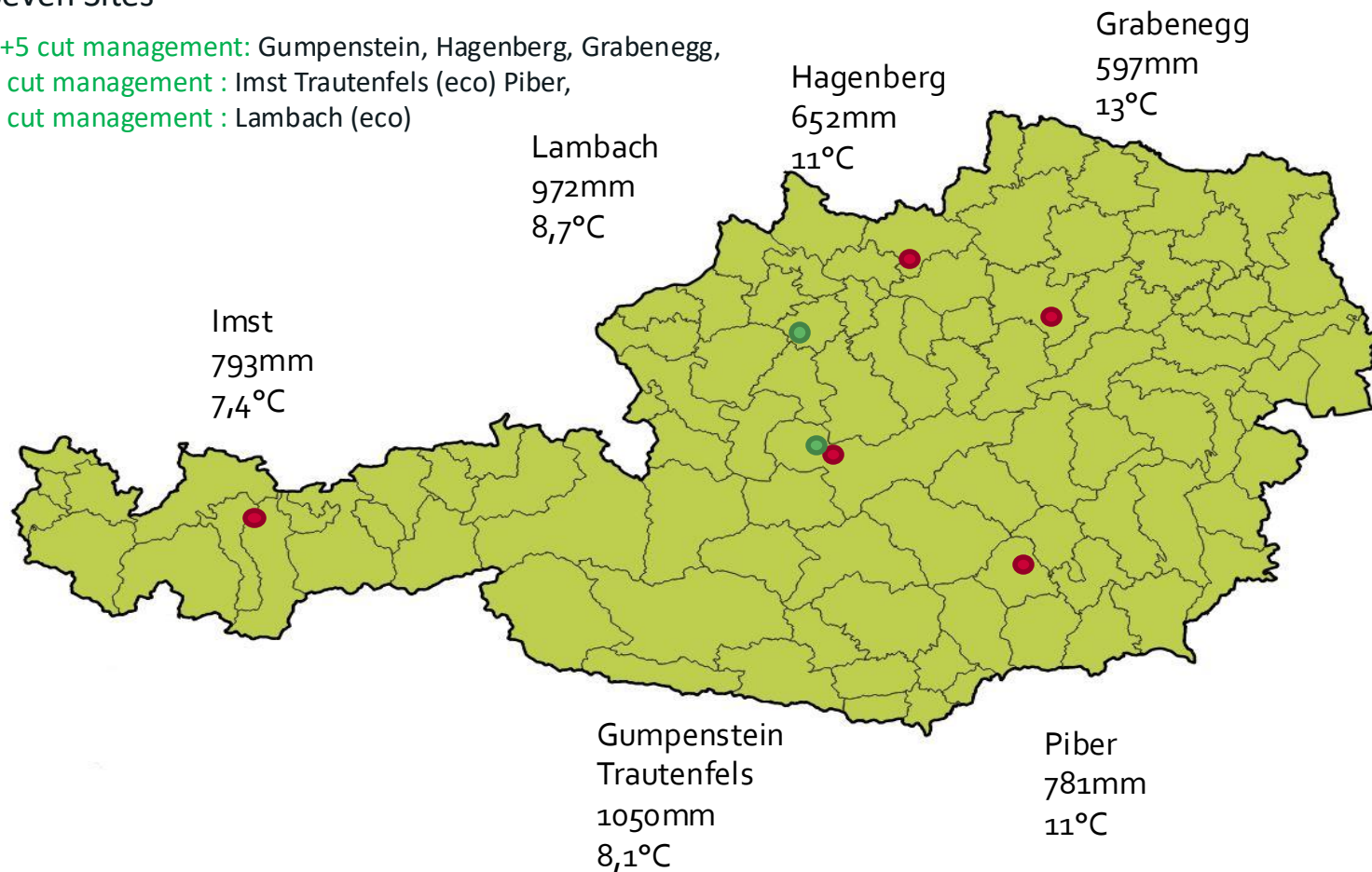


- Seven Sites

4+5 cut management: Gumpenstein, Hagenberg, Grabenegg,

4 cut management : Imst Trautenfels (eco) Piber,

5 cut management : Lambach (eco)





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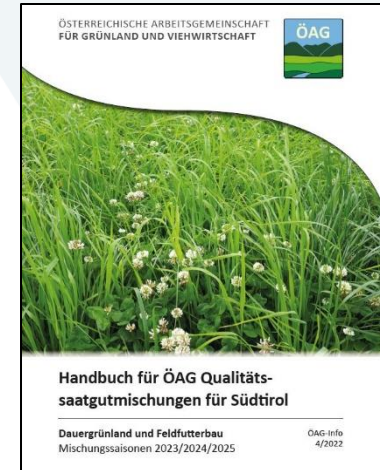
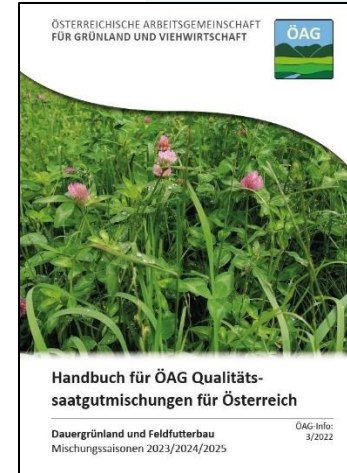
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Research Questions

- Different Seed Mixture qualities → Standard vs. Top varieties tested in Austria
- Substitution of *Festuca pratensis* with more drought tolerant species (*Festuca arundinacea* and *Festulolium*)

Key investigations

- Forage Yield and Quality
- Sward composition, weed infestation





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Thank you!

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