

Ambrosia in Austria- Mechanical control experiments

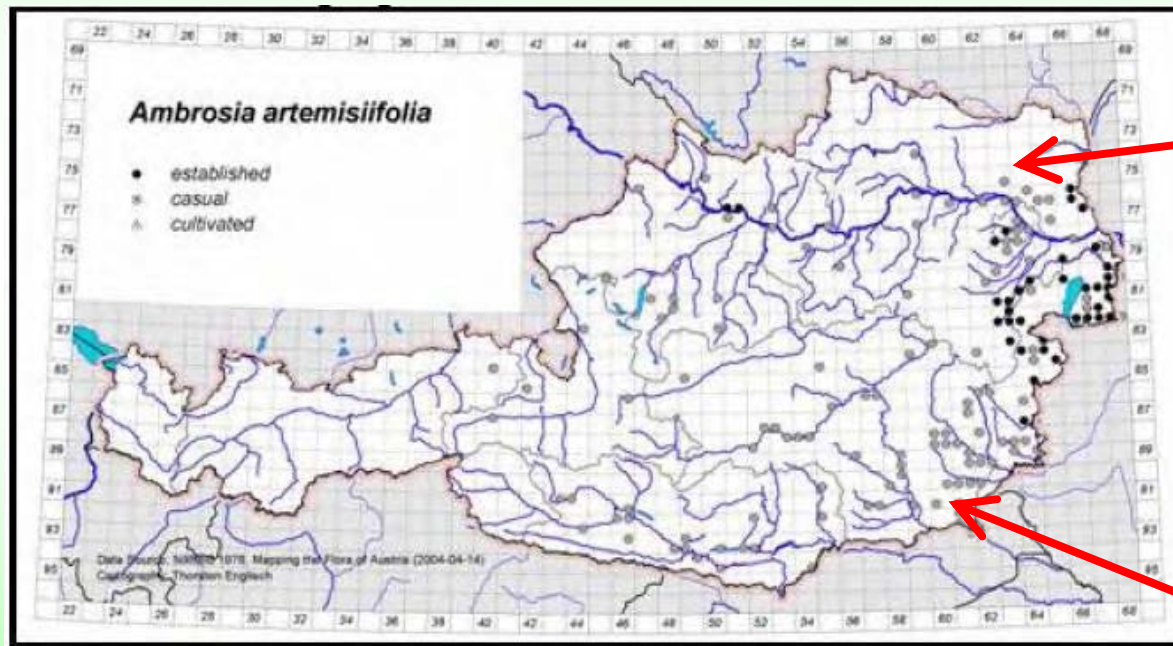


Gerhard Karrer & Melinda Vitalos

University of Natural Resources and Applied Life Sciences, Vienna

Ambrosia in Austria

- Slow laminar expansion in fields (corn and sunflower)
- South Styria, Burgenland, Lower Austria



[14] Verbreitungskarte der Ambrosia in Österreich, unveröffentlichte Daten der Mapping the Flora of Austria" – Datenbank, verwaltet am Dept. of Biogeography, Inst. of Botany, Univ. of Vienna)

Ambrosia in Austria

- Rapid linear expansion along arterial roads
- Lowlands of Lower and Upper Austria
- Escape from the roadsides to arable fields and fallow land



Cutting experiments

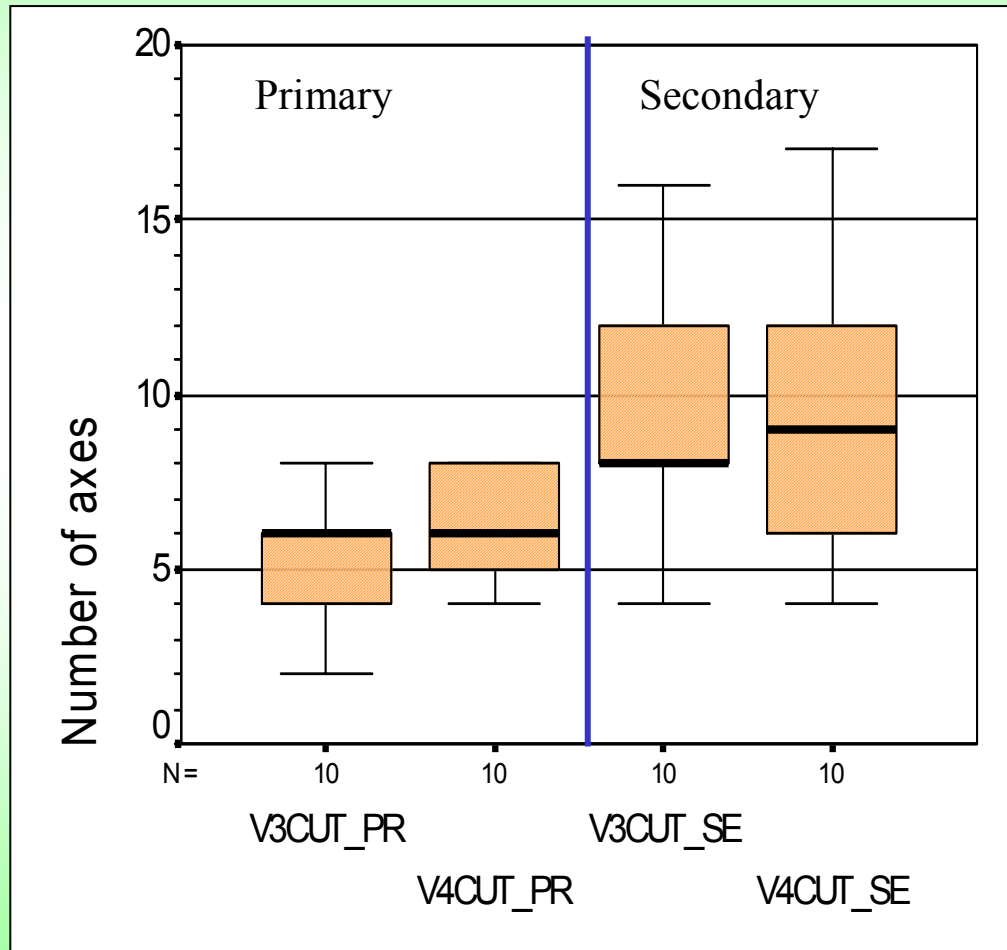


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Gerhard Karrer & Melinda Vitalos

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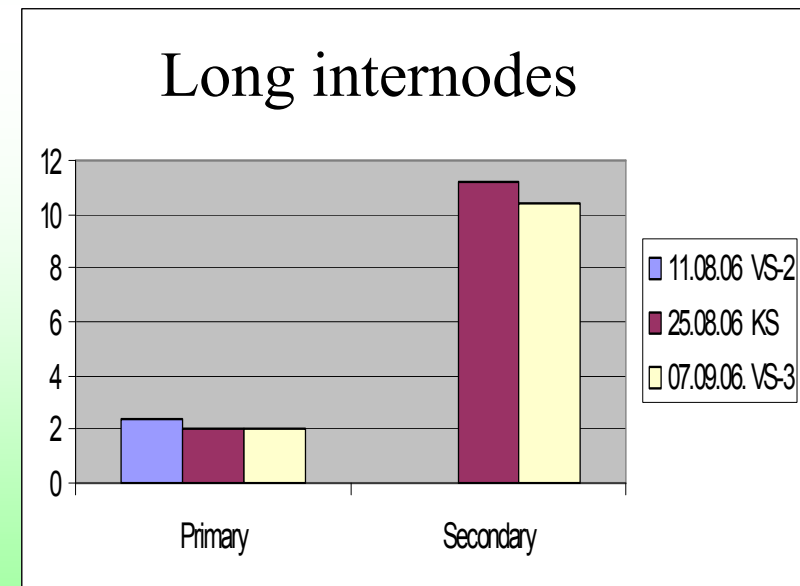
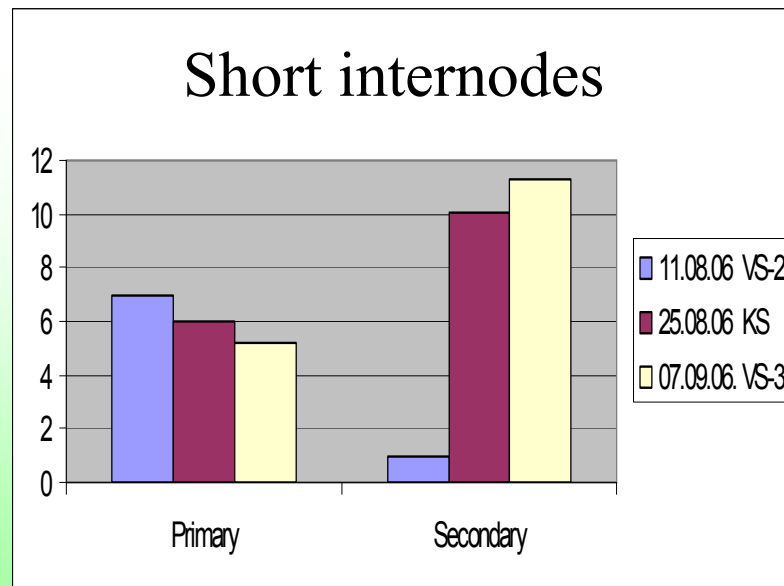
Cutting frequency



- 1st group: 3 times cut
- 2nd group: 4 times cut
- The number of branches was not reduced by more frequent cutting
- not a solution

Individuals with long and short internodes

- single growing -short internodes, dense growing - long internodes
- Individuals with long internodes-less primary branches
- not less secondary branches, but less biomass



Future plans

- To study the linear expansion
- Possibilities of mechanical control – cutting experiments
- Population biology of *Ambrosia artemisiifolia* on different habitats
- Expansion pathways – genetics

Thank you for your attention!