

TURBAVABA AIANDUS: naiivsete entusiasmi või tuleviku paratamatus?

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Kasvusubstraadi vajadus

- 2025-2034
põllumajanduse tootlikkus
14% ↑
- Toidu tootmine kontrollitud
keskkonnas
- 2050 kasvusubstraadi
nõudlus 4x ↑
(Blok et al., 2021)



Madalmaad

2025

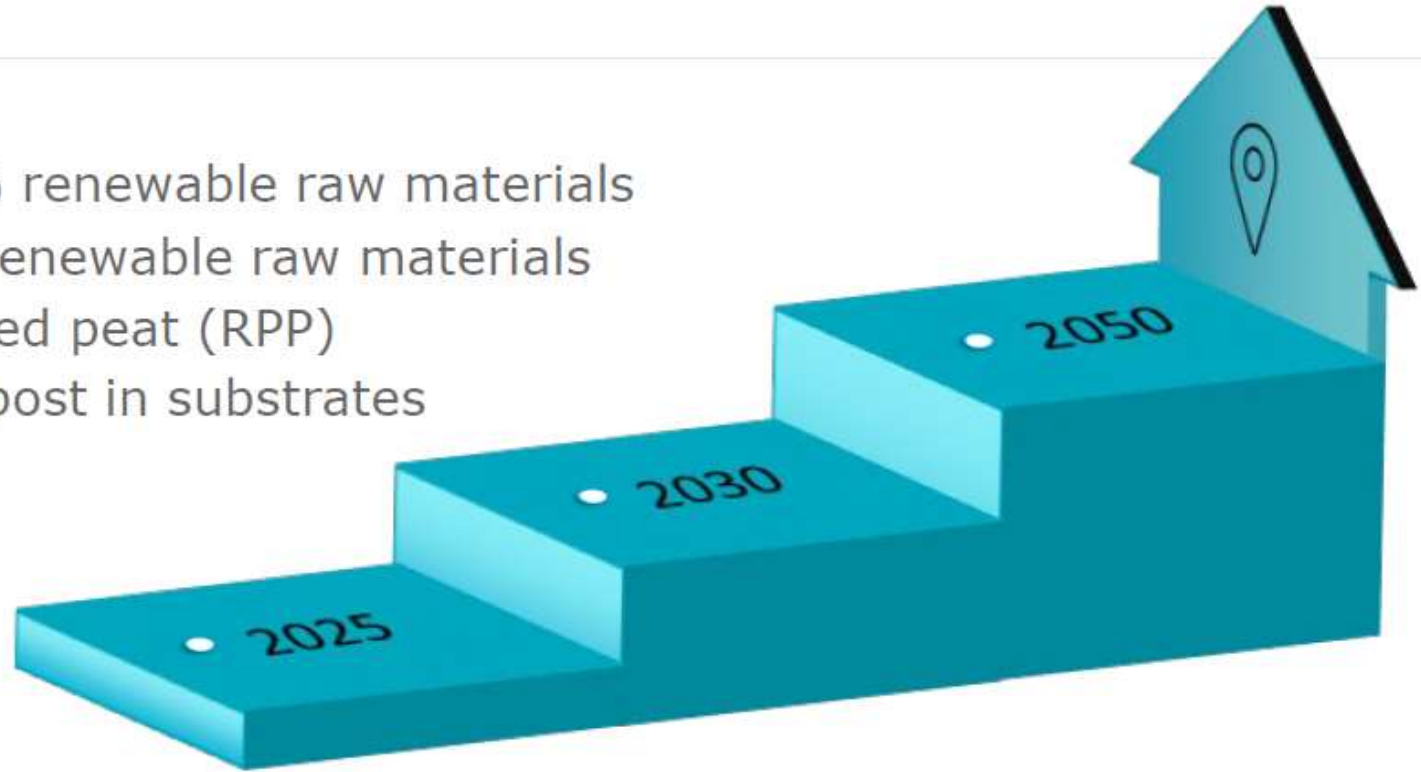
- ✓ Professional market: 35% renewable raw materials
- ✓ Consumer market: 60% renewable raw materials
- ✓ 100% responsibly produced peat (RPP)
- ✓ 300,000 m³ of extra compost in substrates

2030

- ✓ Professional market: 50% renewable raw materials
- ✓ Consumer market: 85% renewable raw materials

2050

- ✓ Substrates are climate neutral and must not have a negative impact on the environment
- ✓ On average, >90% renewable materials

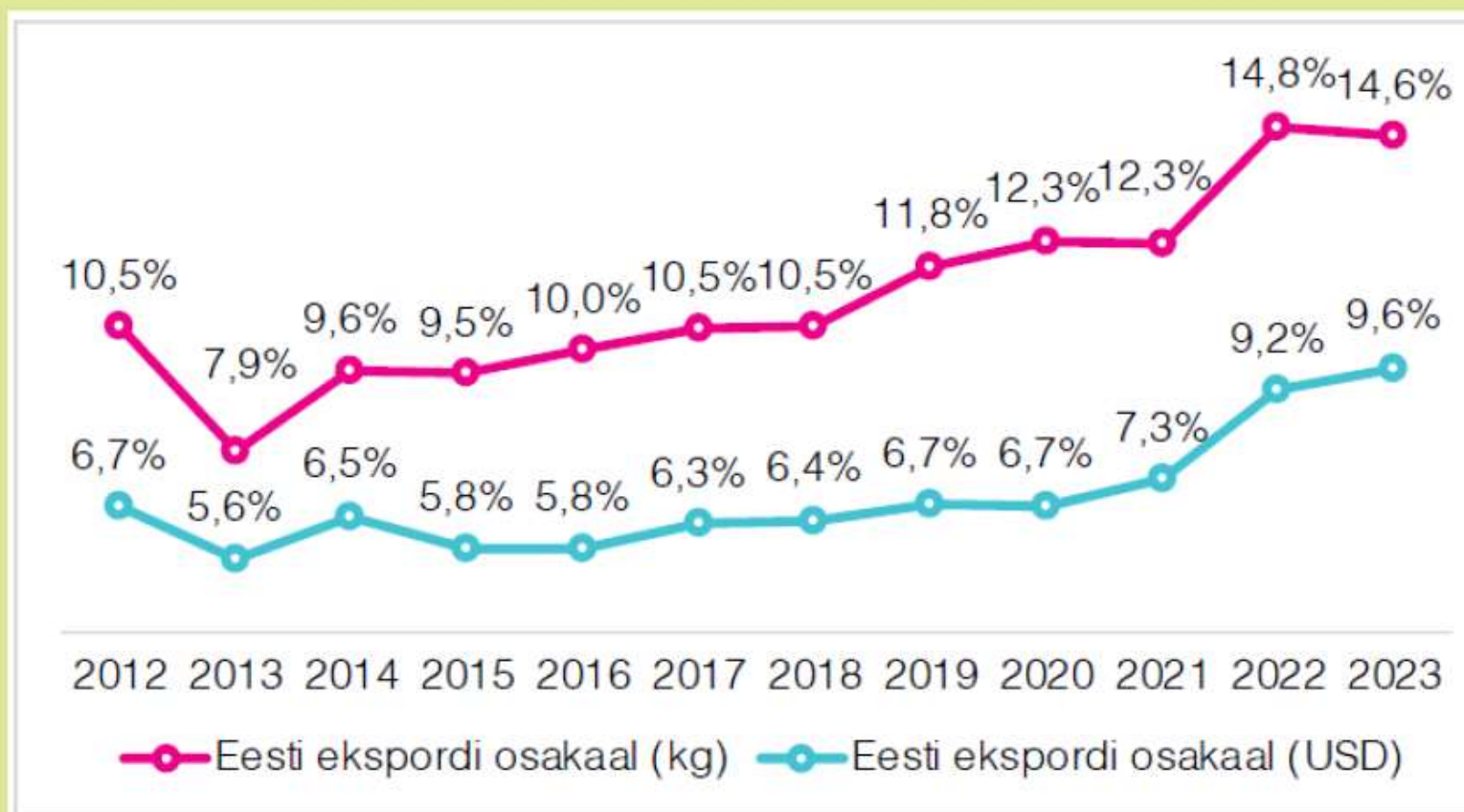


10% MAAILMA TURBASUBSTRAATIDEST EESTIST

Turbasusbstraadi
toodang Eestis (m3)

- 2022 - 1,65 milj
- 2024 - 3 milj

Mis on pikk vaade?



100% TURBAVABA KOHALIKUST
TOORMEST KASVUSUBSTRAAT

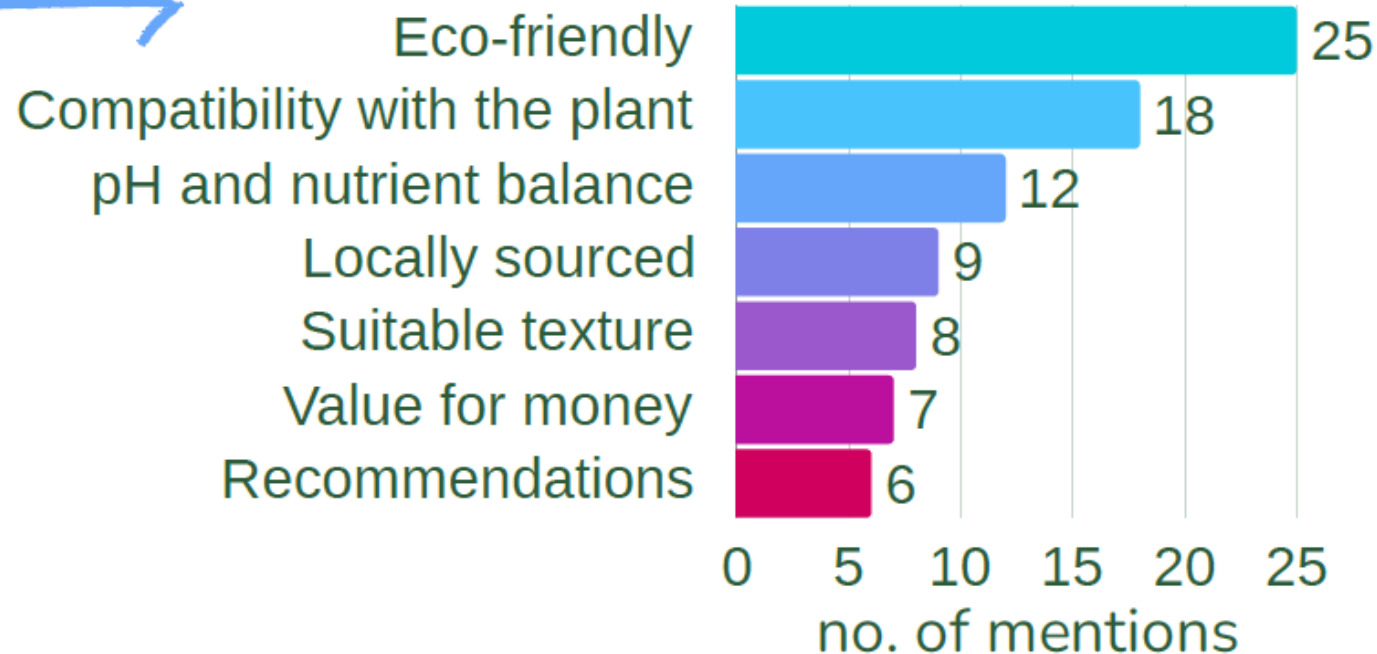
NOV 2024
IDEE

96

KÜSITLETUD HOBIAEDNIKKU

JAAN 2025
TURU KAARDISTAMINE

Mis on kõige tähtsam
asi, mille järgi valid
kasvumulda kodus
taimede
kasvatamiseks?



65+

KOOSTISOSA





TÖÖTUNDI



n+1

EBAÕNNESTUMIST



40+

RETSEPTI



6+

KULTUURI



6

KATSE ETAPPI



5

PROFITESTIJAT

10

RETSEPTI

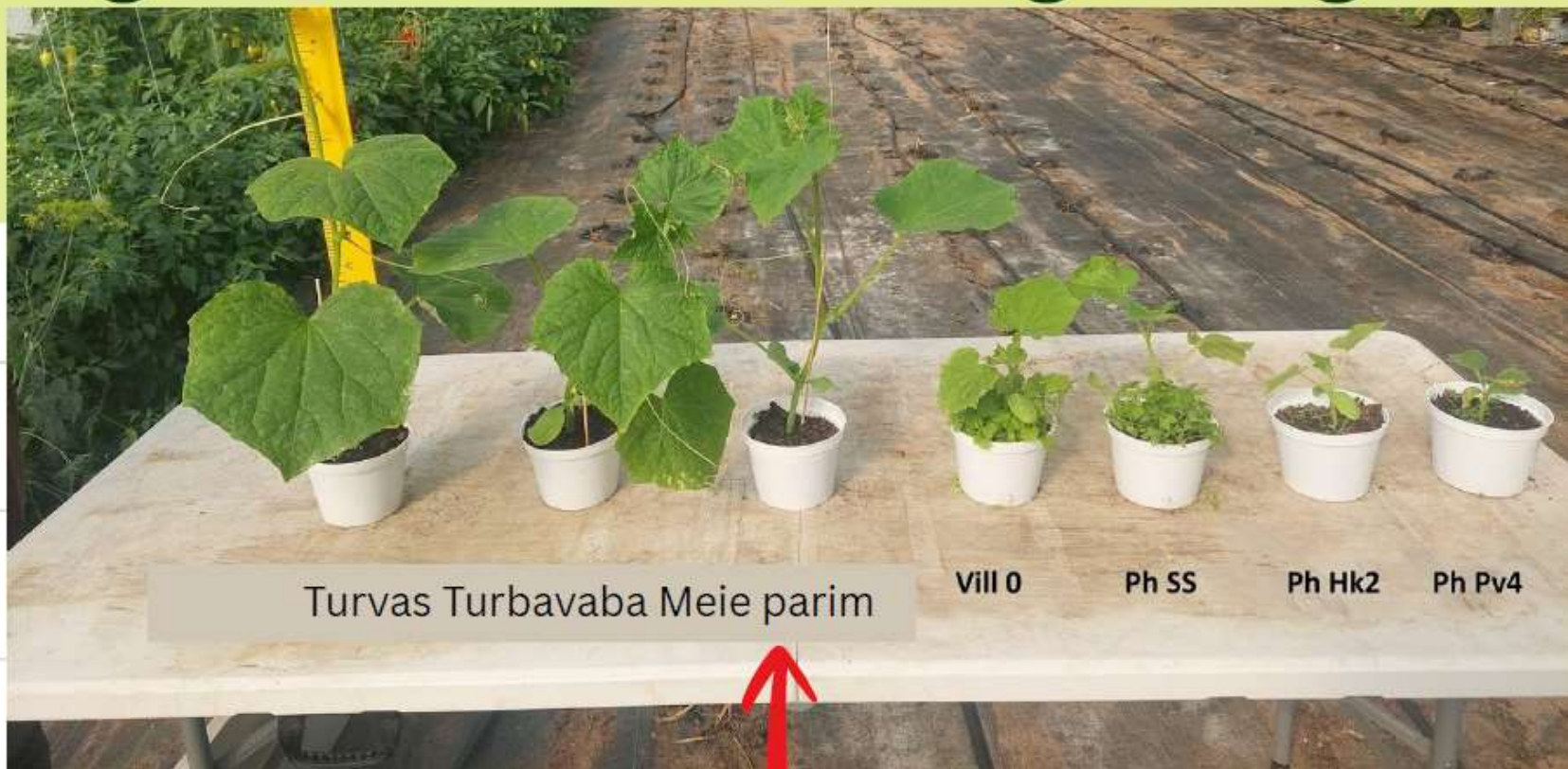
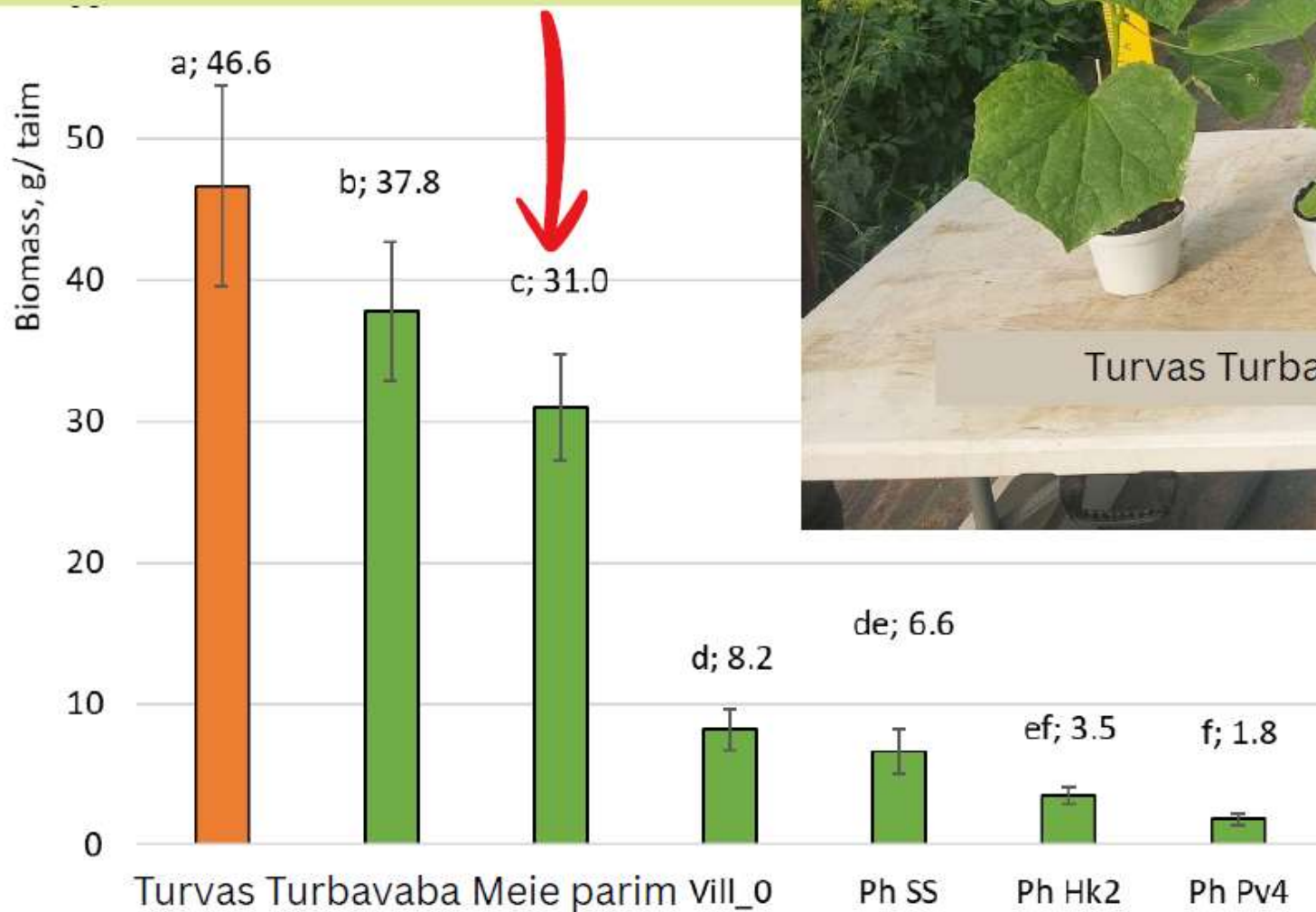


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KATSE EMÜ TEADLASE JA TOOTJAGA

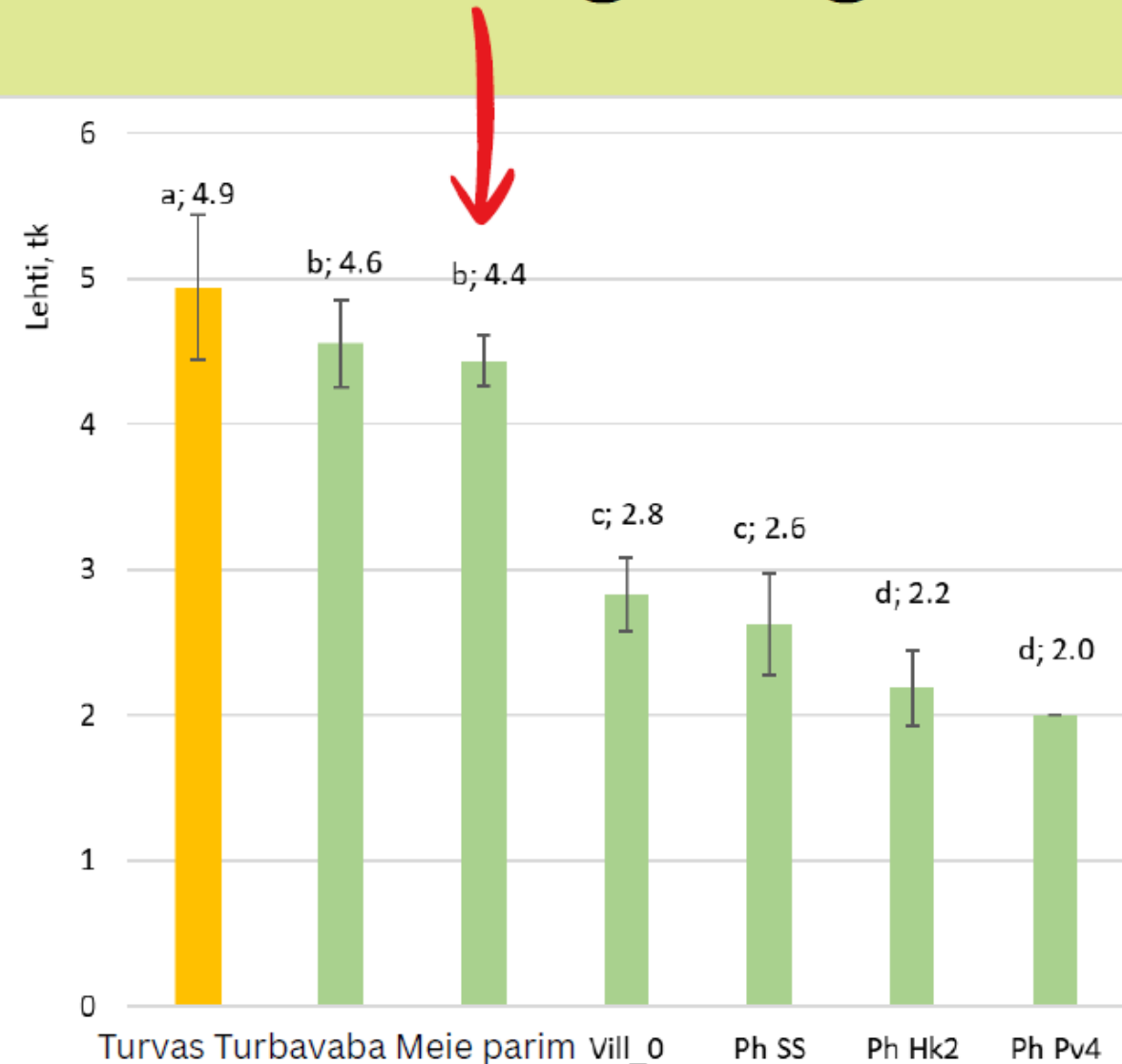
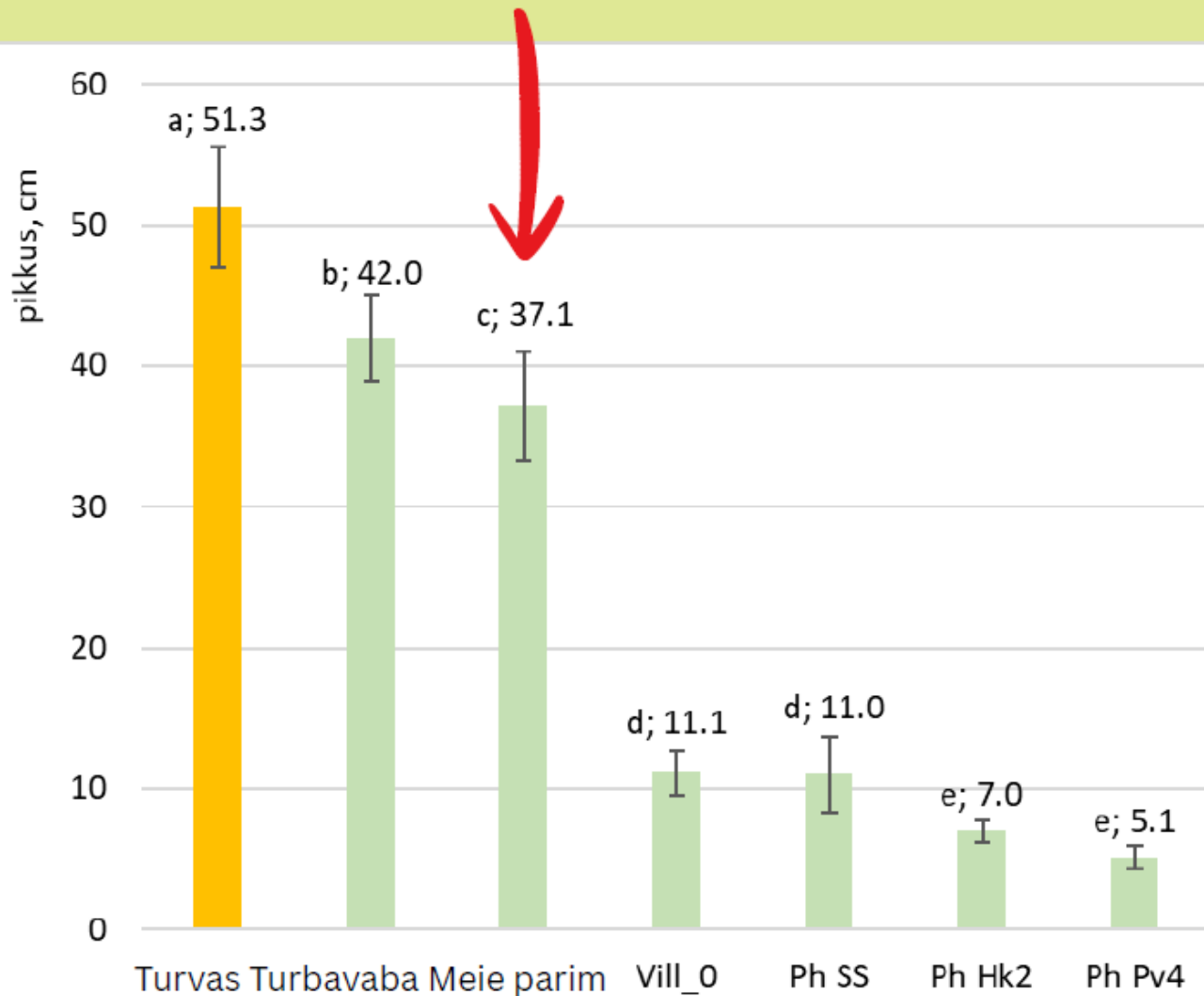


Lühiviljalise kurgi 'Alex' taimede algareng

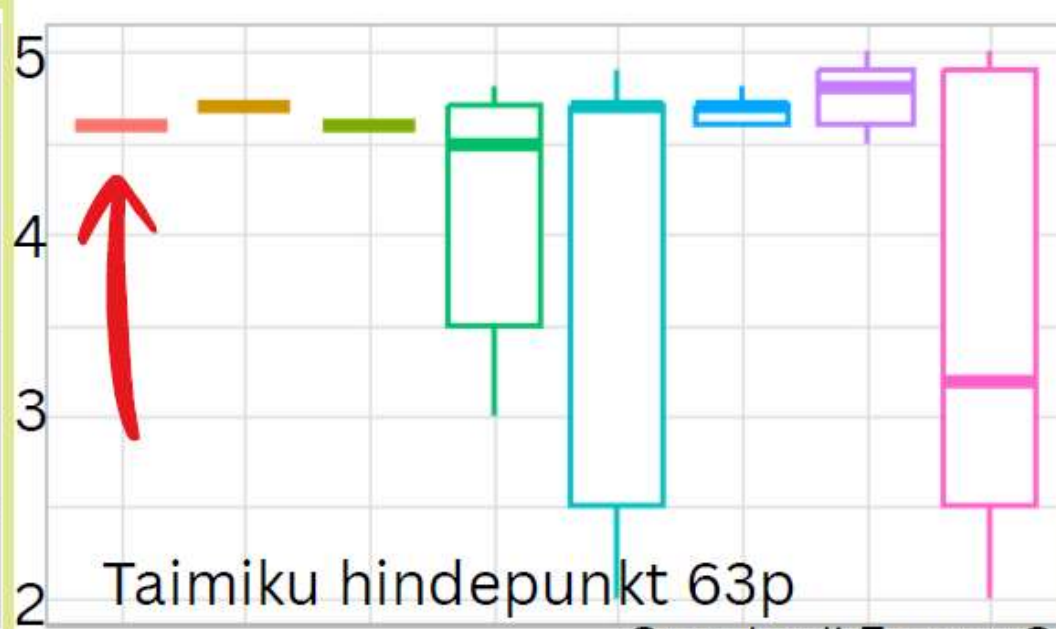
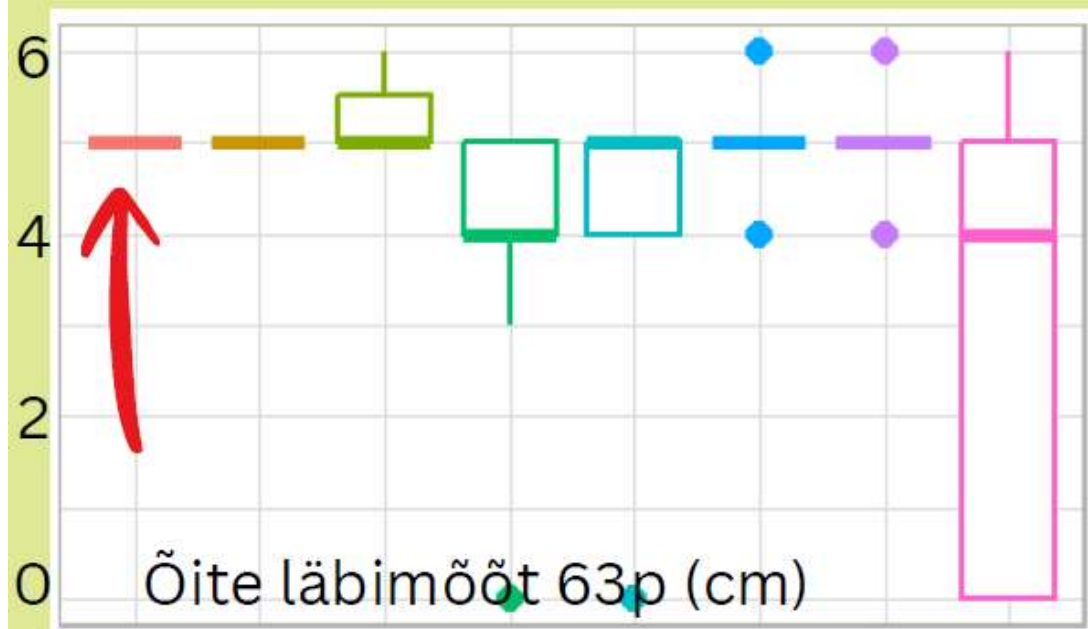
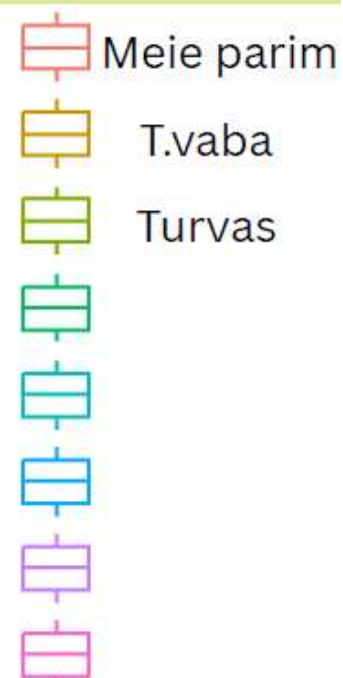
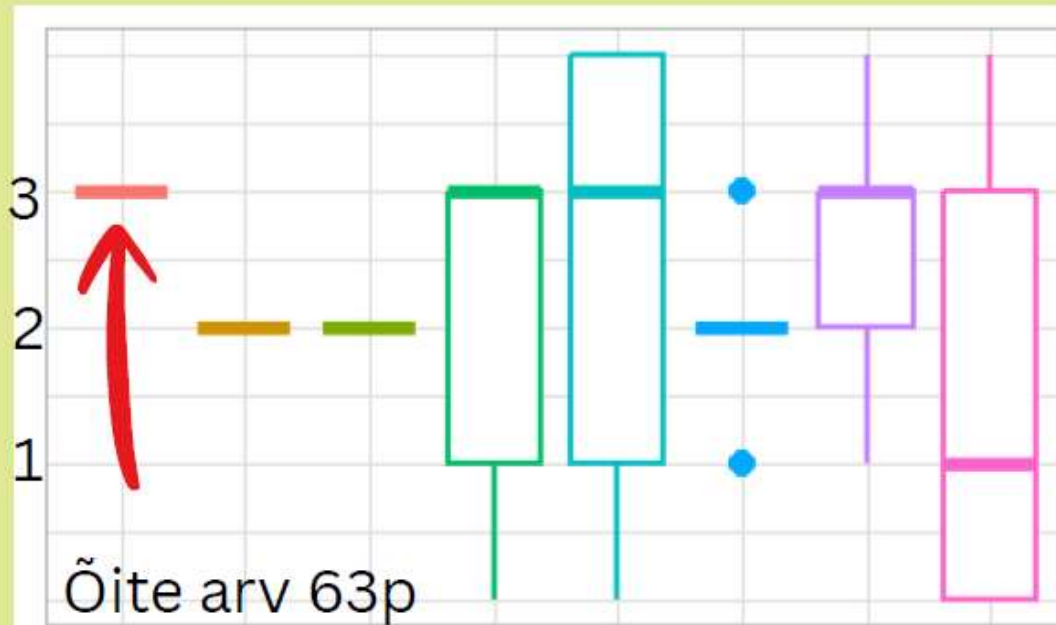


Põldma, 2025

Lühiviljalise kurgi 'Alex' taimede algareng



Madala peiulille 'Safari Yellow' taime areng 9ndl



Väljakutsed

- Koostisosade interaktsioonid
- Substraadi muutus ajas
- Veehoiuvõime
- Hügieniseerimine
- Kasulik mikrobioloogia



Suur tänu kaasalööjatele

- teadlased,
- mentorid,
- aiandustootjad,
- materjalitöötledjad,
- Growing Media
Symposium



2026

PROTOTÜÜP



Turbavaba aiandus?

- Ühine strateegia ja koostöö
- Toormaterjalide väärimine
- Ringbiomajandus
- Mõtteviisi muutus
- Kestlike lahenduste otsimine

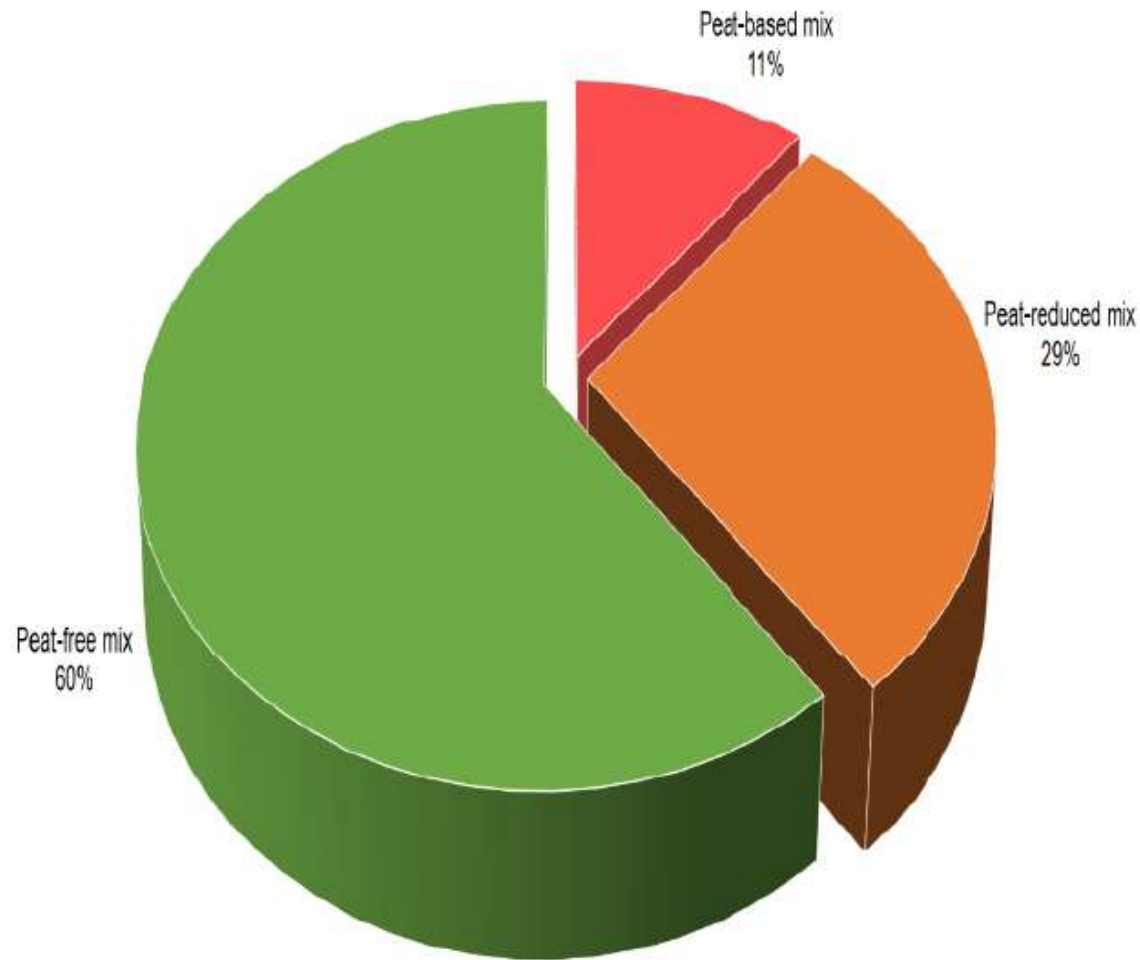




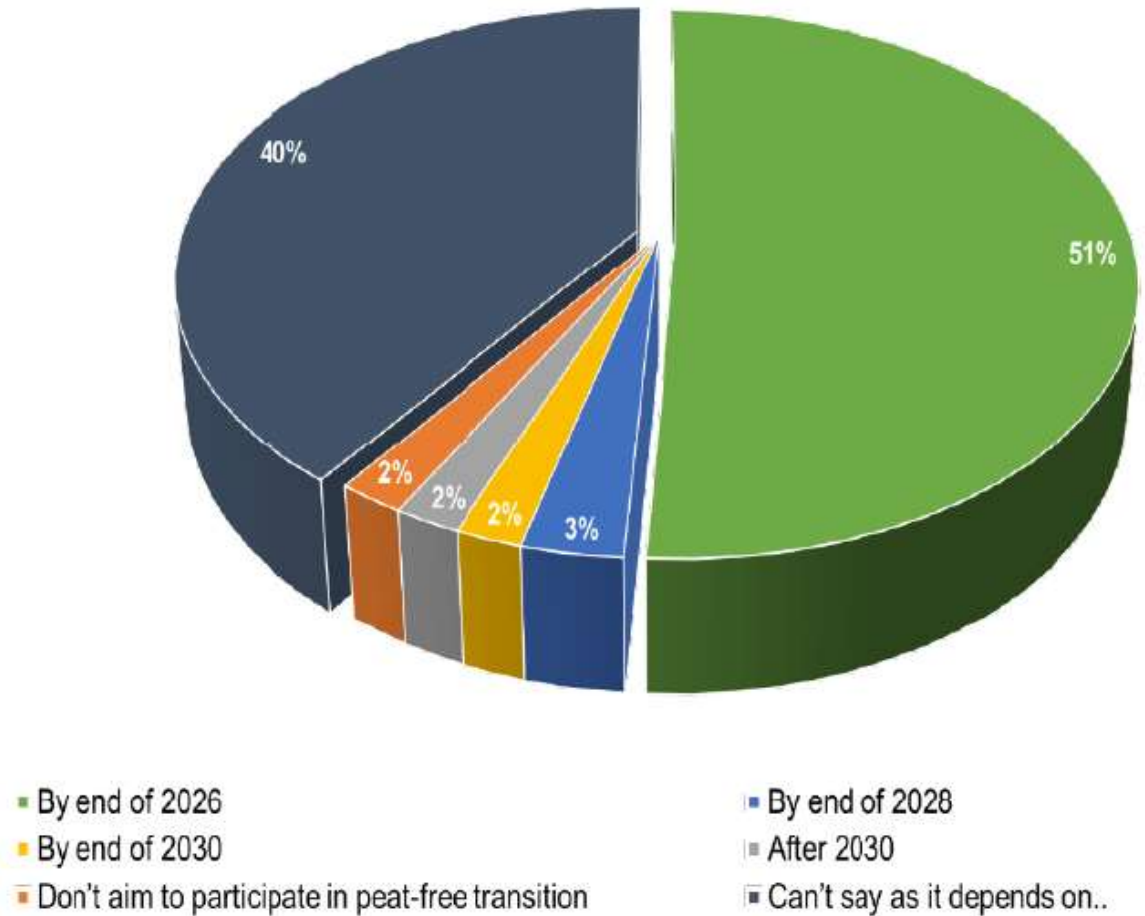
ALLEVERDE

100% TURBAVABA SUBSTRAAT

RHS Industry Peat-Free Survey 2023



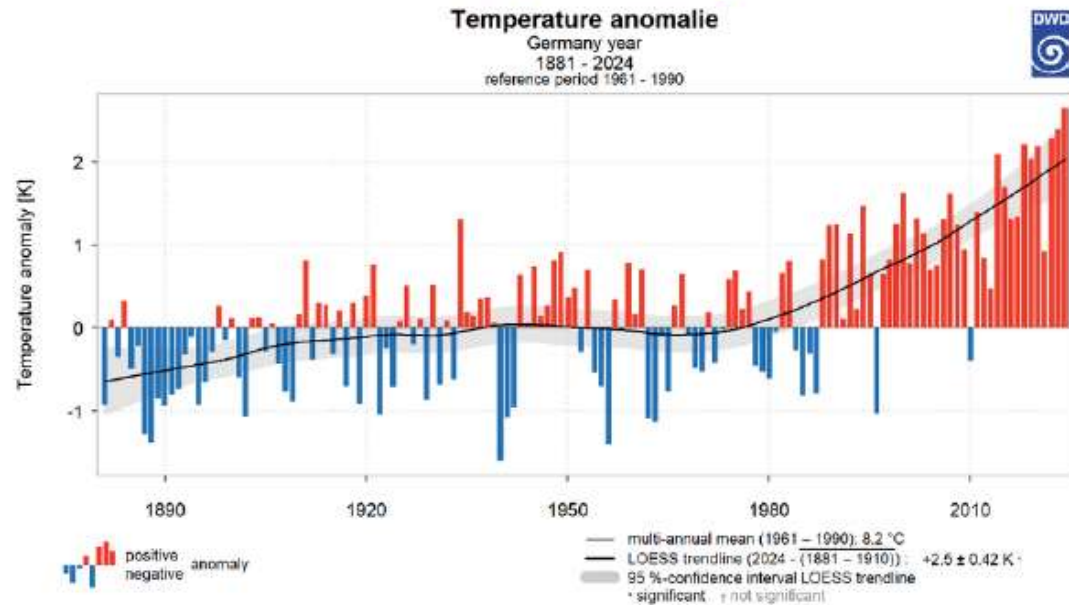
Percentage of peat-free, peat-reduced and peat-based mixes used in horticultural businesses (as % total GM volumes used; n=297).



Percentage responses on the timeline of horticultural businesses aiming to be 100% peat-free in all operations (n=370)

Saksamaa

Why is peat-free an issue in Germany?



Time lines for peat reduction

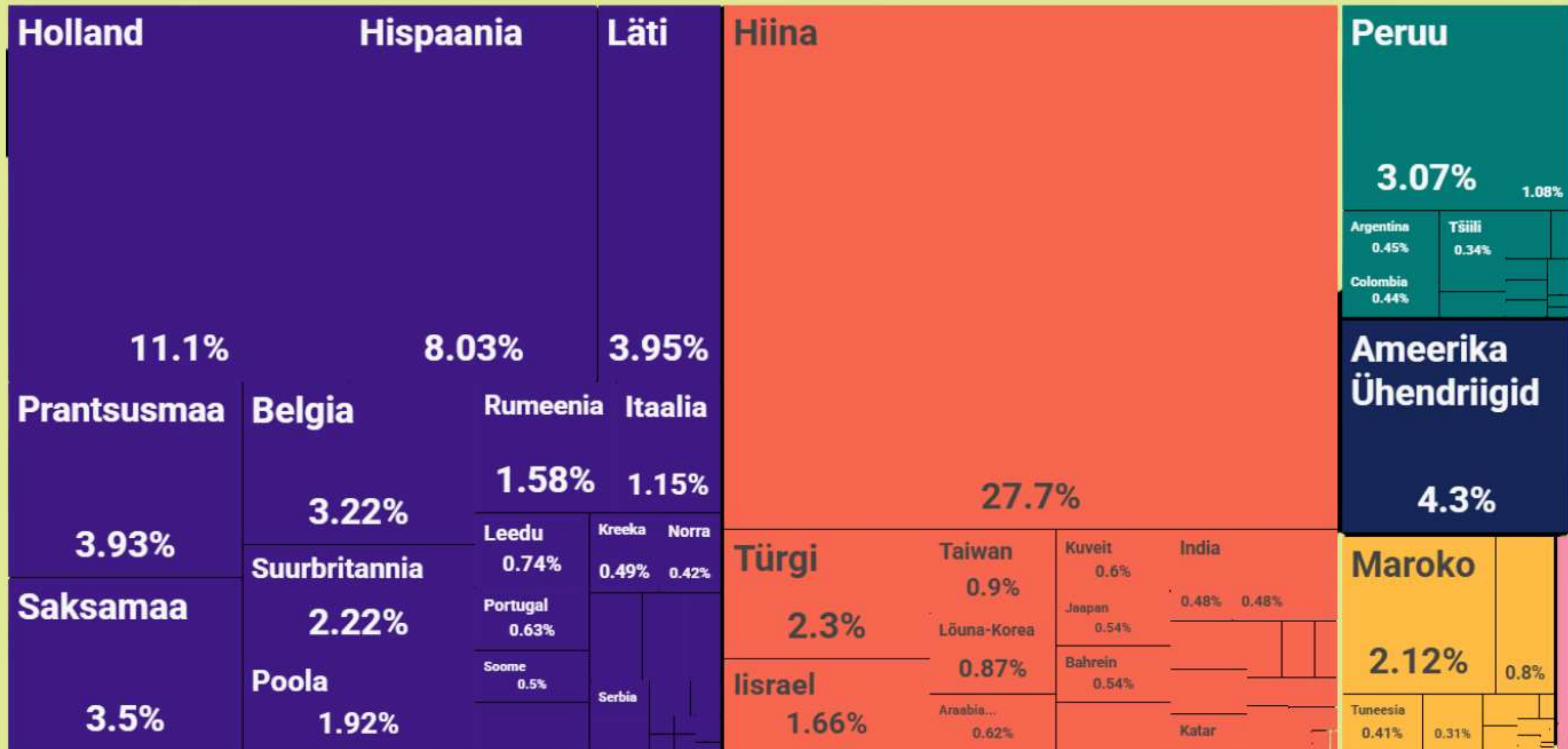
→ substrates for hobby : 2026

→ substrates for professionals:
2030

These timelines have to be adapted in the near future.

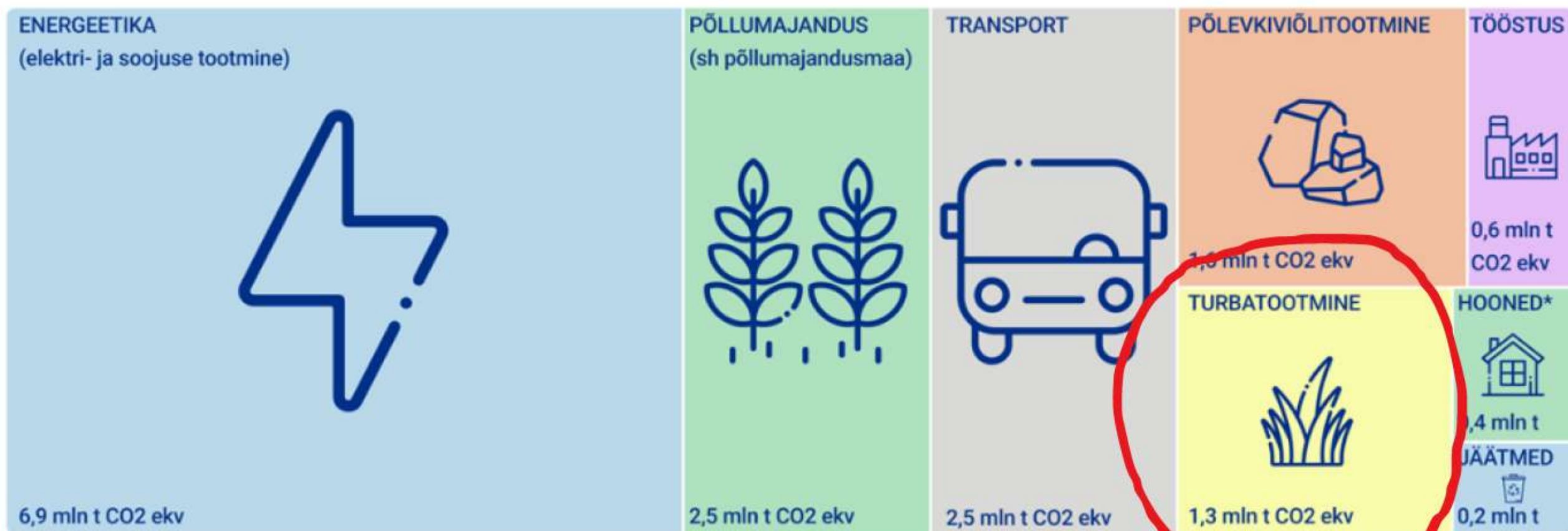
Schmidt, Freising 2025

Eesti turbaeksport 2024

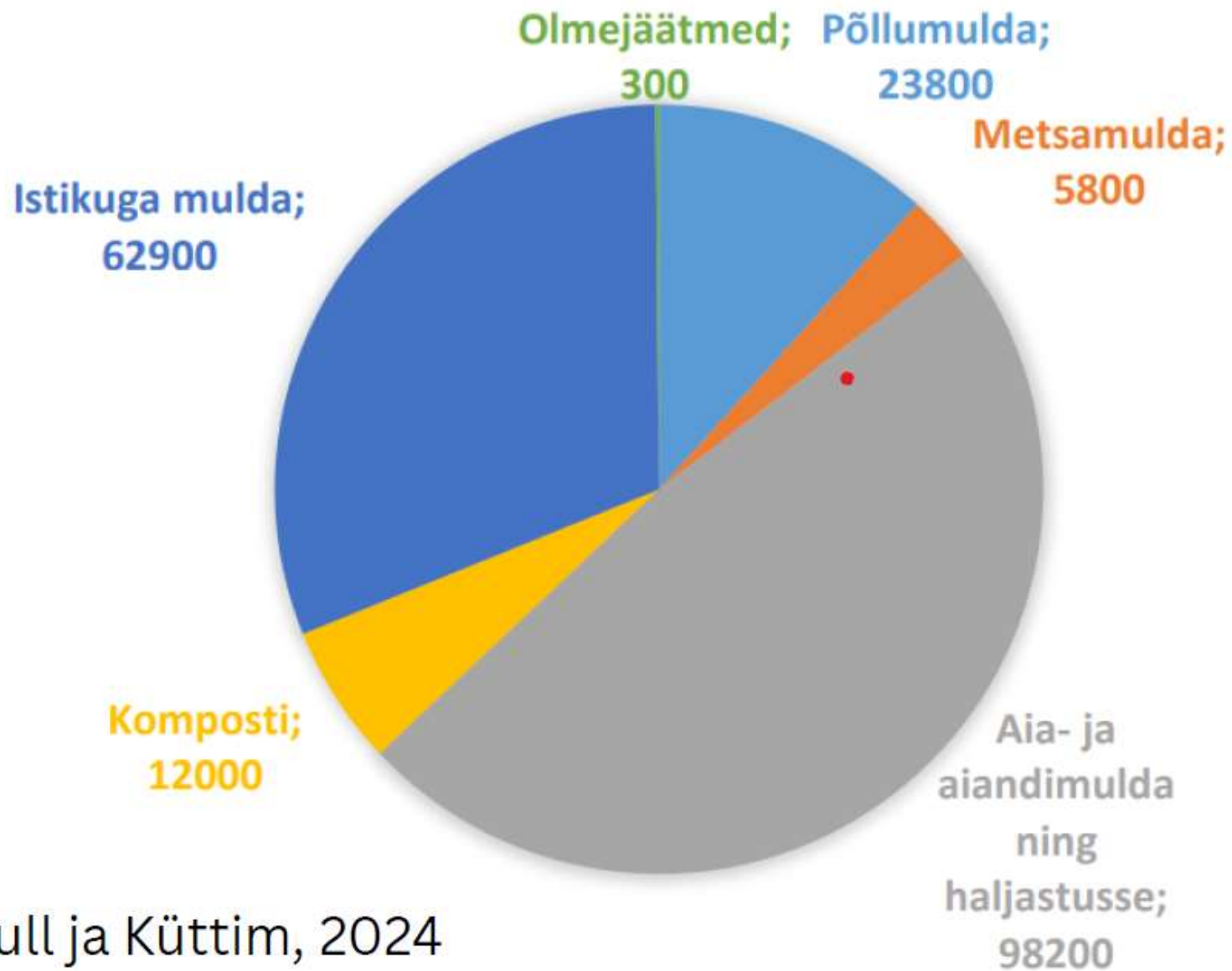


<https://data.stat.ee/>

Peamised kasvuhuonegaaside heitjad 2022



Eestis toodetud ja kasutatud aiandusturba järelkasutus



Kull ja Küttim, 2024