



Kontrol og resistensforebyggelse af kartoffelbladplet med Serenade ASO



Bayer A/S

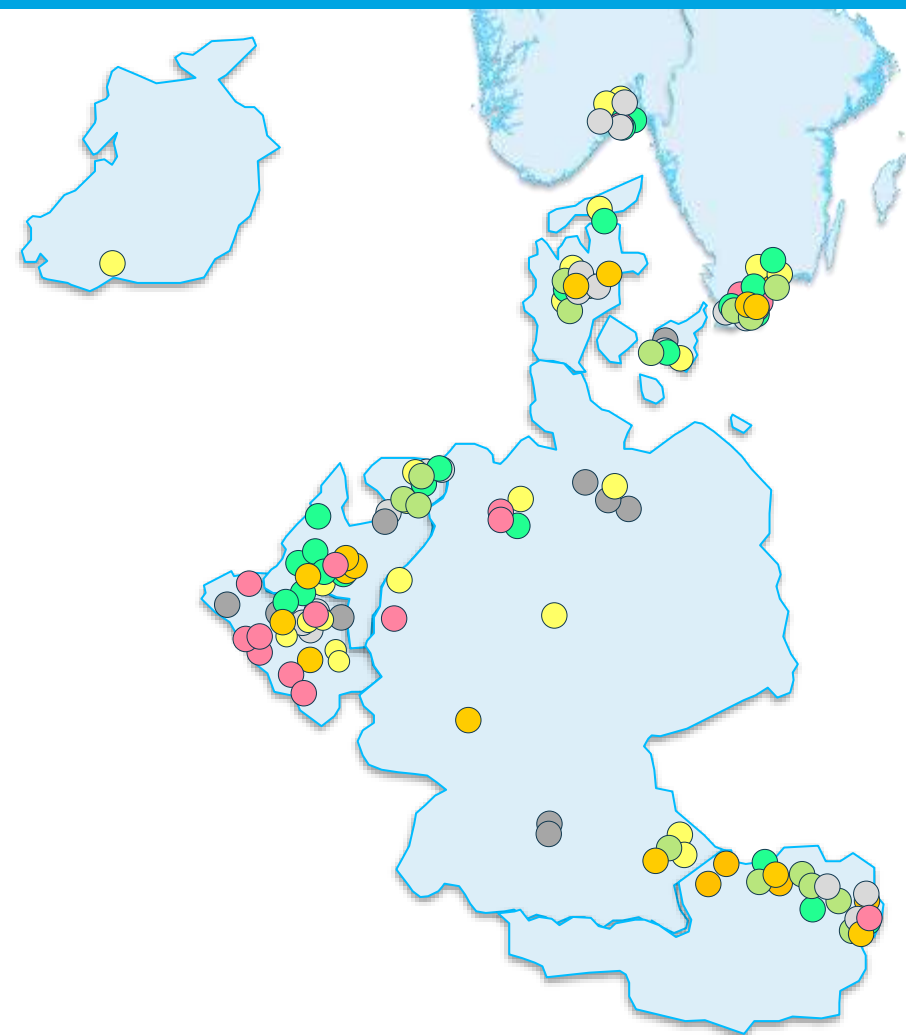
Christian Søndergaard Christensen

Januar 2026



Observation af *Alternaria spp.* mutationer i Europa

Metode – indsamling af blade og analyse af isolater i laboratorie

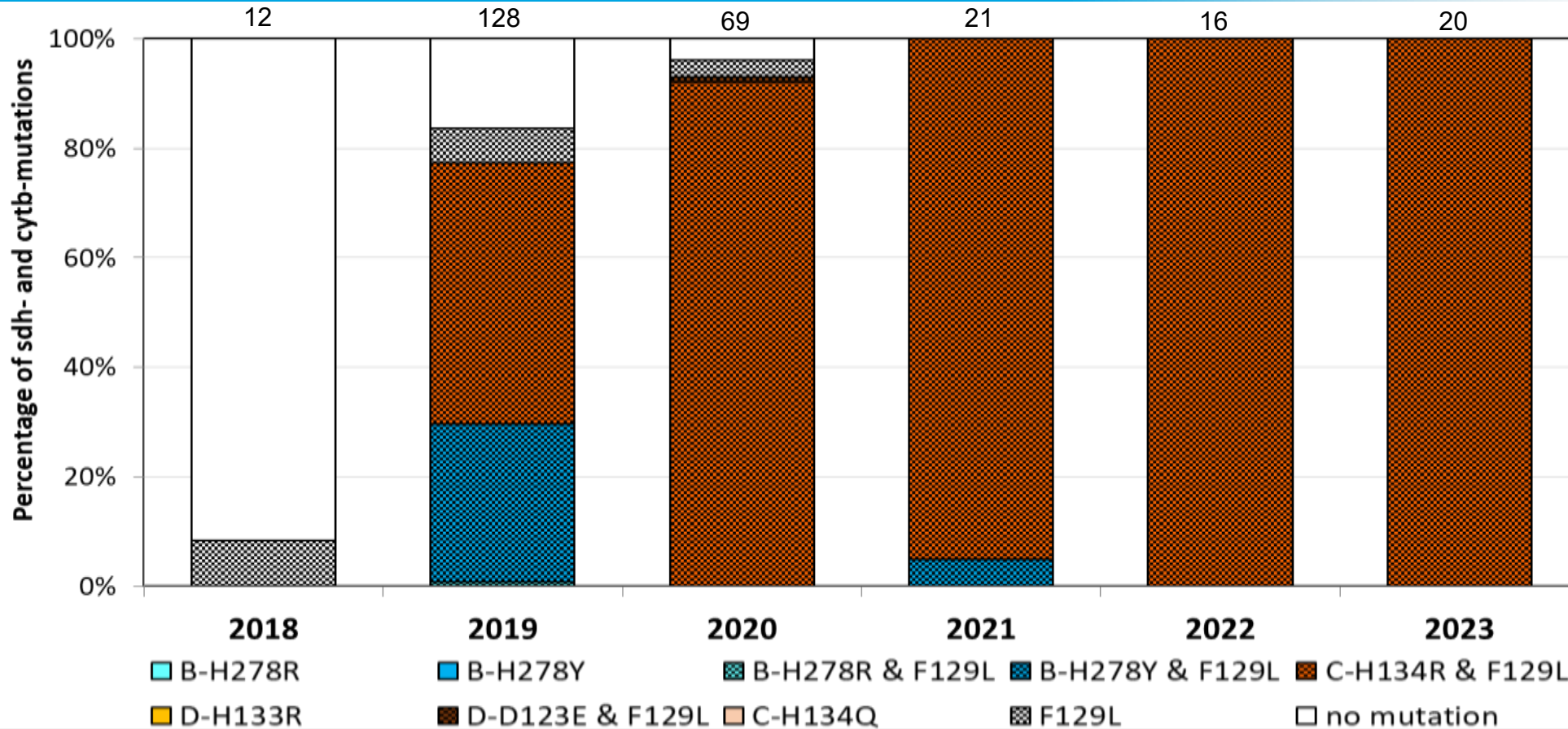


- 2018 i BE, NL, DE, DK, SE
- 2019 i AT, BE, NL, DE, DK, SE, NO, IE
- 2020 i AT, BE, NL, DE, DK, SE, NO
- 2021 i AT, NL, DE, DK, SE, NO
- 2022 i AT, DK, NO
- 2023 i AT, BE, DE, DK, NL, SE
- 2024 i AT, BE, DE, NL



Observation af *Alternaria solani* mutationer resistente overfor strobilurin og SDHI svampemidler 2018-2023

sdh- og *cytB*-mutations analyser af isolater indsamlet i Danmark

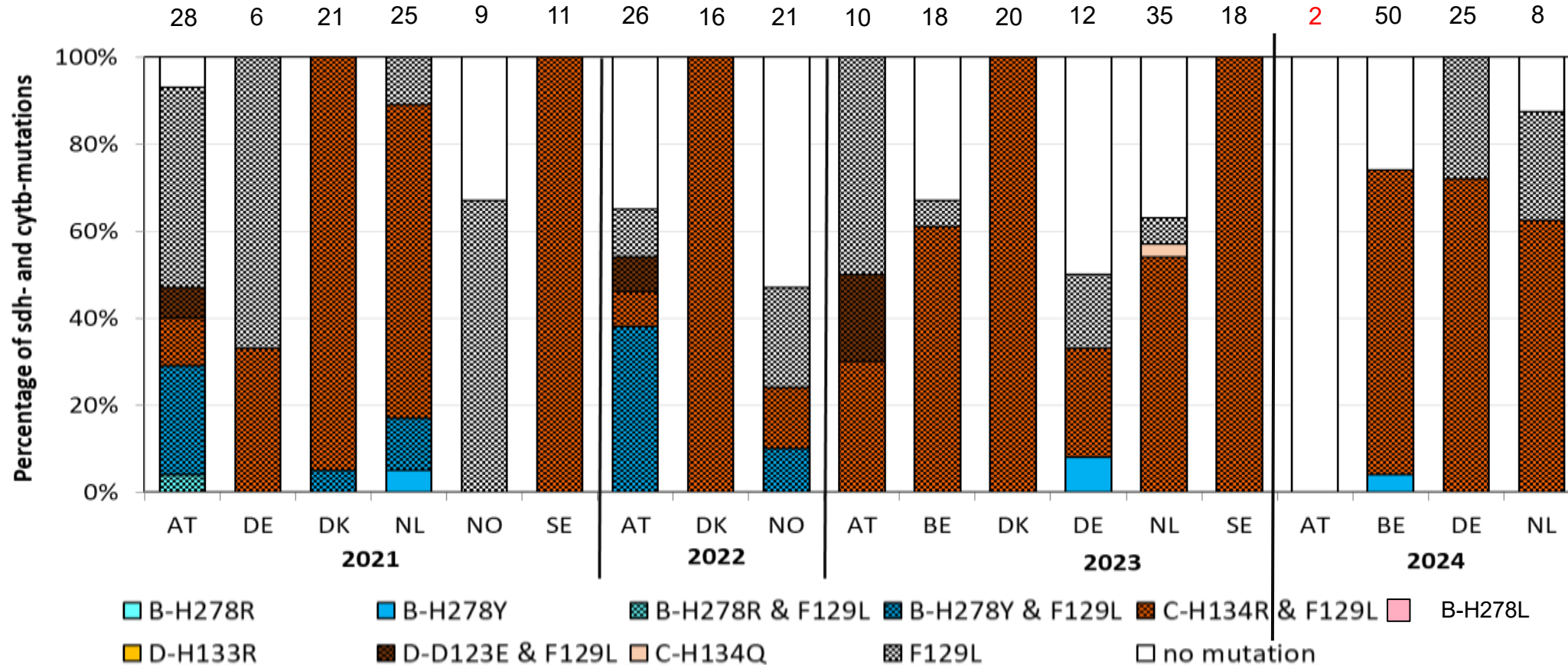


- Strobilurins: since 2019 high frequencies of F129L mut. (conferring moderate RF), mostly with *sdh*-mut.
- SDHIs: in 2019 B-H278Y and C-H134R detected, since 2020 C-H134R mutation dominating



Observation af *Alternaria solani* mutationer resistente overfor strobilurin og SDHI svampemidler 2021-2024

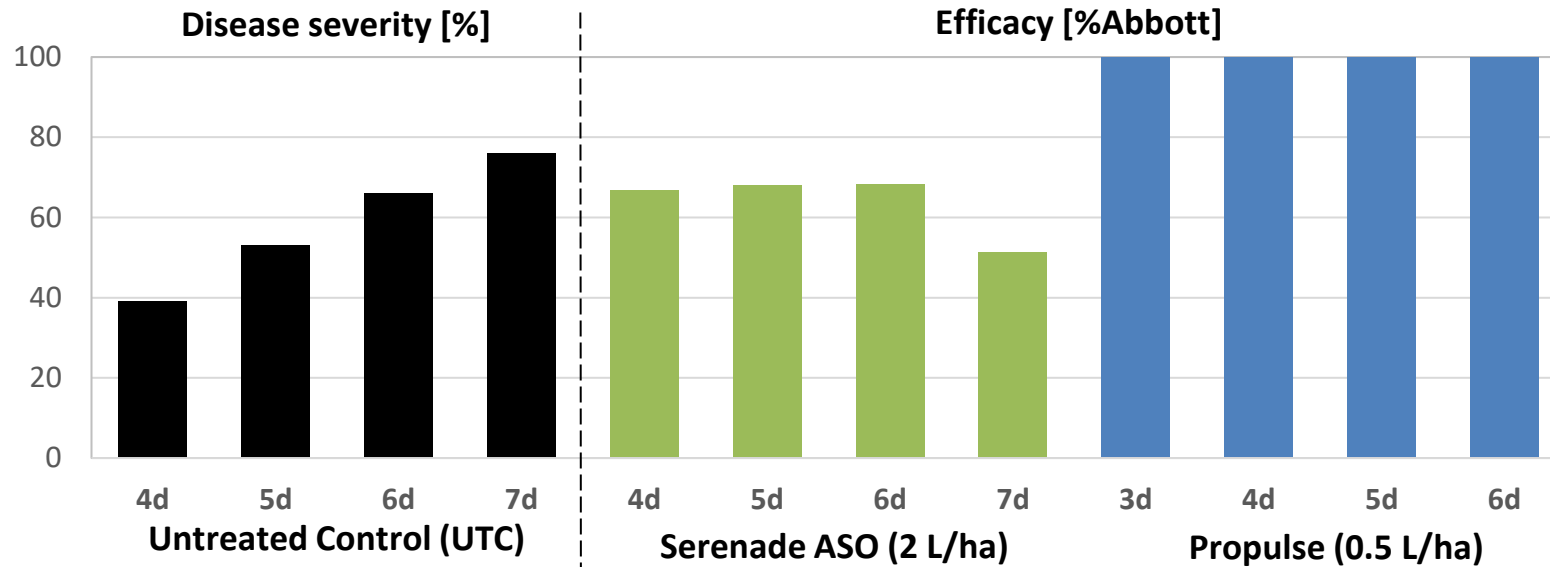
sdh-mutations analyser af isolater indsamlet i Europa



- Strobilurins: mostly high frequencies of F129L-mutation, mostly with *sdh*-mutations
- SDHI: C-H134R genotypes are at moderate to high frequencies, B-H278Y not detected since 2022



Effekt af Serenade ASO på *Alternaria solani*





Landsforsøg 2025

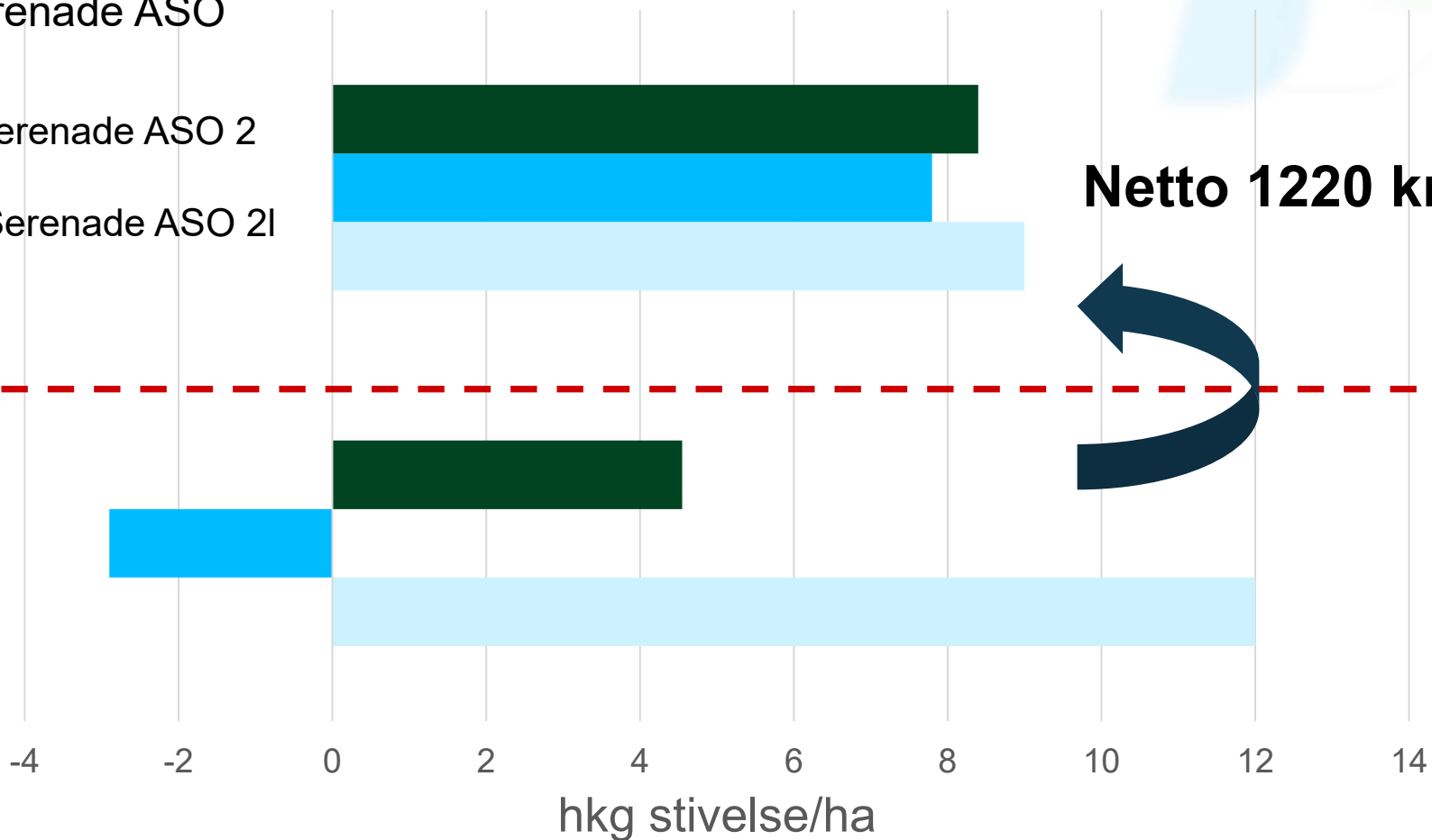
Nordic Field Trial System 040082525-001+002

Ubehandlet 128,4 hkg/ha Stivelse

2 forsøgsled med og uden Serenade ASO

1. Revus Top 0,6 + Amistar 0,5 + Serenade ASO 2
2. Signum 0,25 + Serenade ASO 2l
3. Revus Top 0,6 + Amistar 0,5 + Serenade ASO 2l
4. Signum 0,25 + Serenade ASO 2l

1. Revus Top 0,6 + Amistar 0,5
2. Signum 0,25
3. Revus Top 0,6 + Amistar 0,5
4. Signum 0,25



Netto 1220 kr/ha

■ Gennemsnit ■ Arnborg ■ Dronninglund

Ufuldstændig kryds-resistens mellem SDHI mutationer og betydningen for kontrol af kartoffelplet

Alternaria solani symptomer på kartoffelblade fra væksthuss forsøg (forebyggende behandling 1DBI)

Genotype	Control	Boscalid	Fluopyram	Propulse®
B-H278Y				
C-H134R				
wild-type				

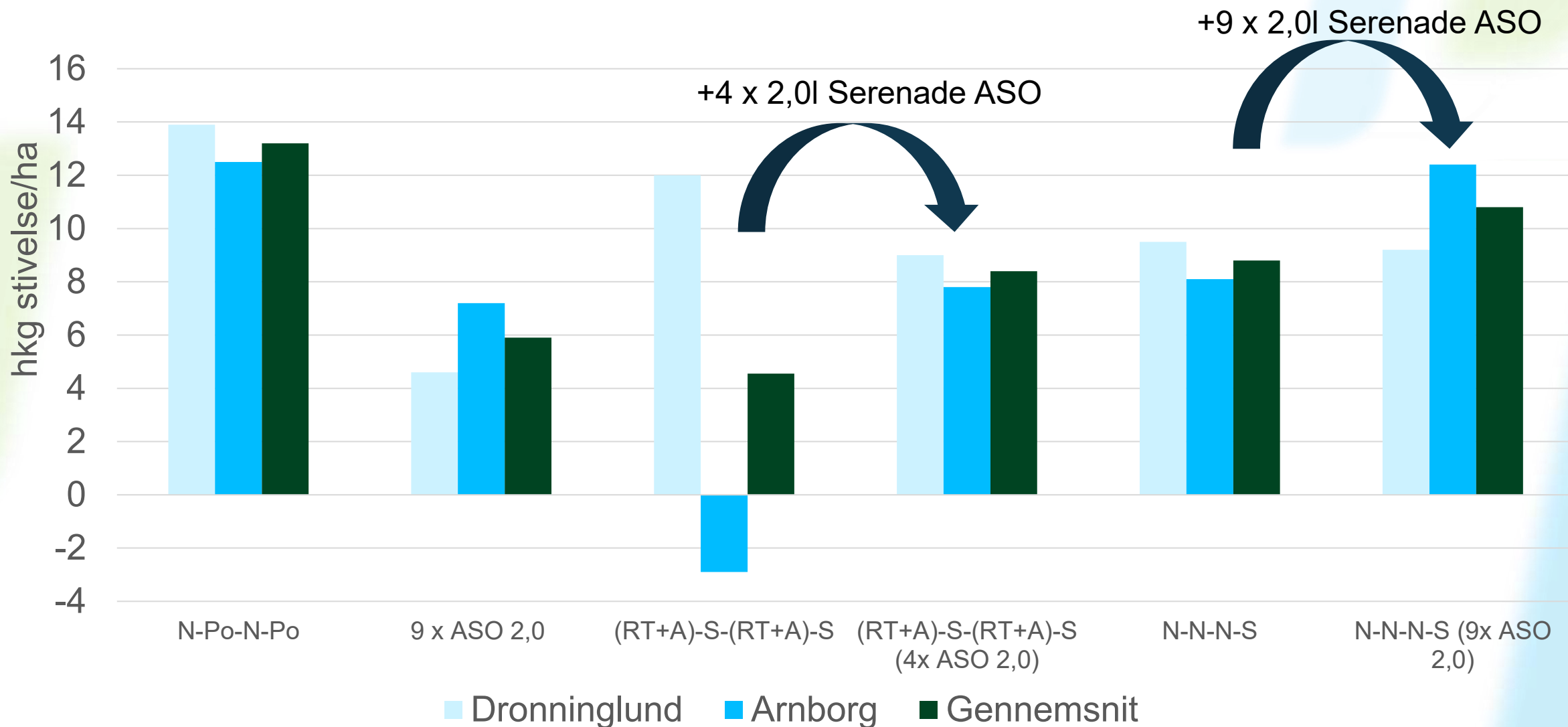




Landsforsøg 2025

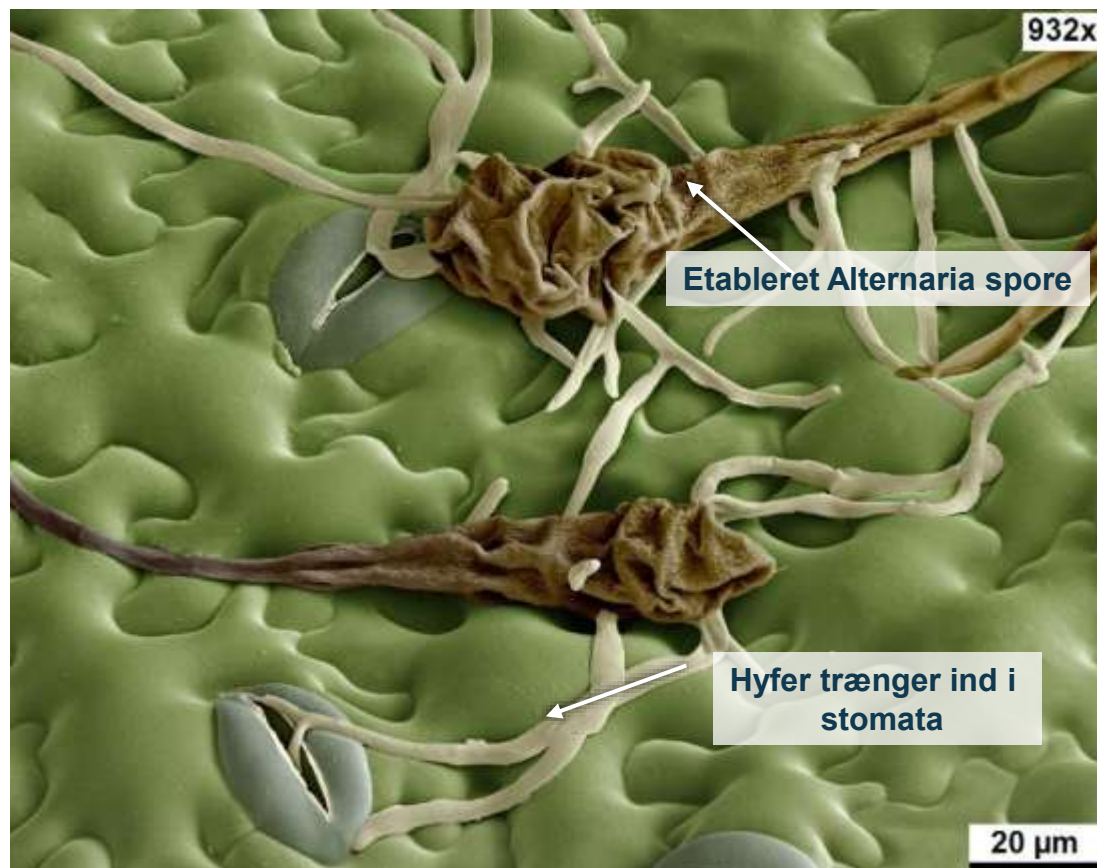
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Ubehandlet 128,4 hkg/ha Stivelse



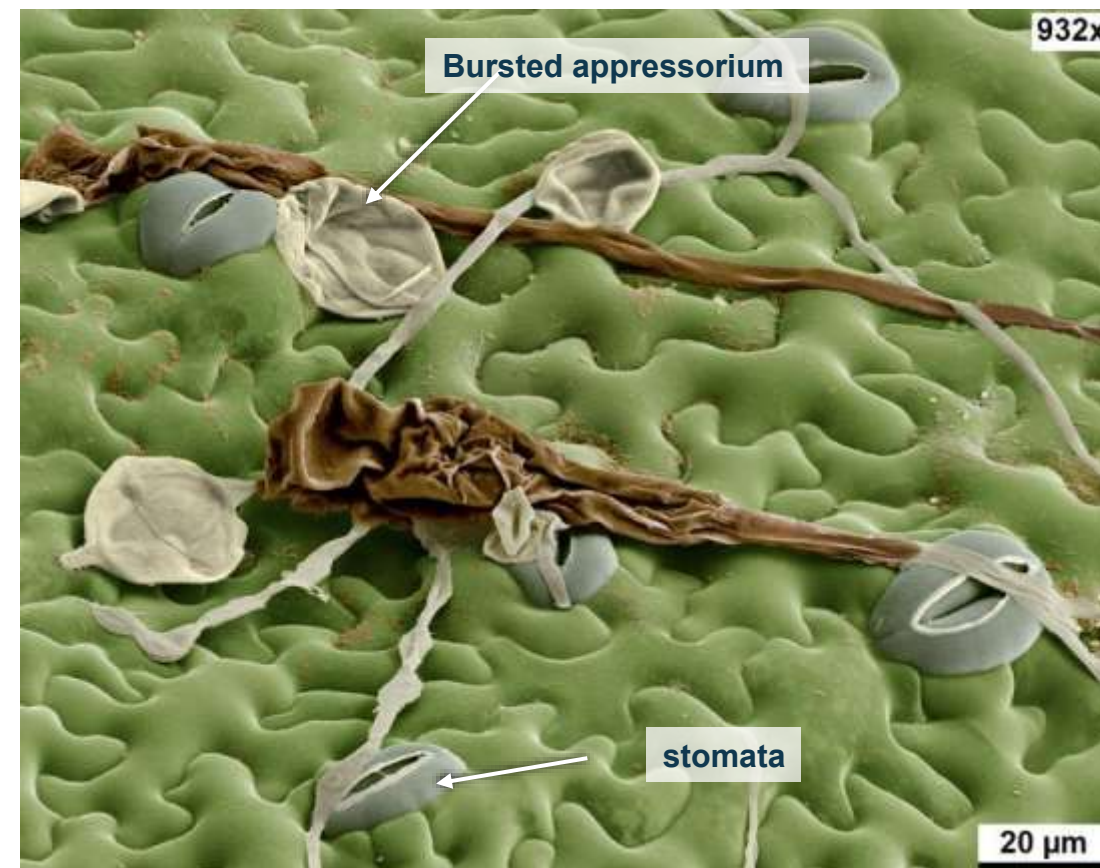
Serenade ASO control af *Alternaria solani* med lipopeptider

Mikroskopisk visualisering af den forebyggende effekt af lipopeptiderne i Serenade ASO



UTC

tomato leaf - bottom side
5h after inoculation



Serenade ASO

tomato leaf - bottom side
46h after inoculation



Tak

