Tørkepulver
Fra lab til felt

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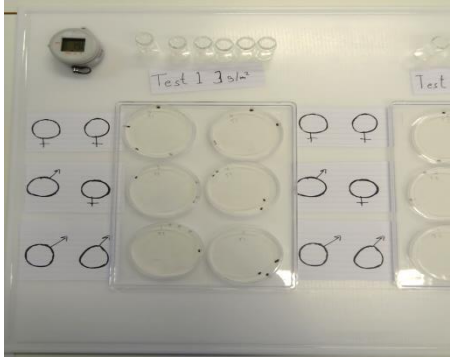
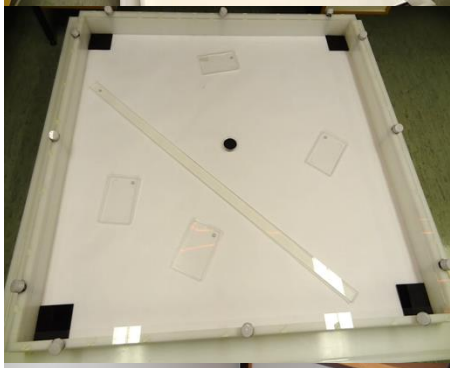
60 stp

Management of Bed Bugs Using Desiccant Dust and CO_2 Activation, a Laboratory Study and a Field Trial

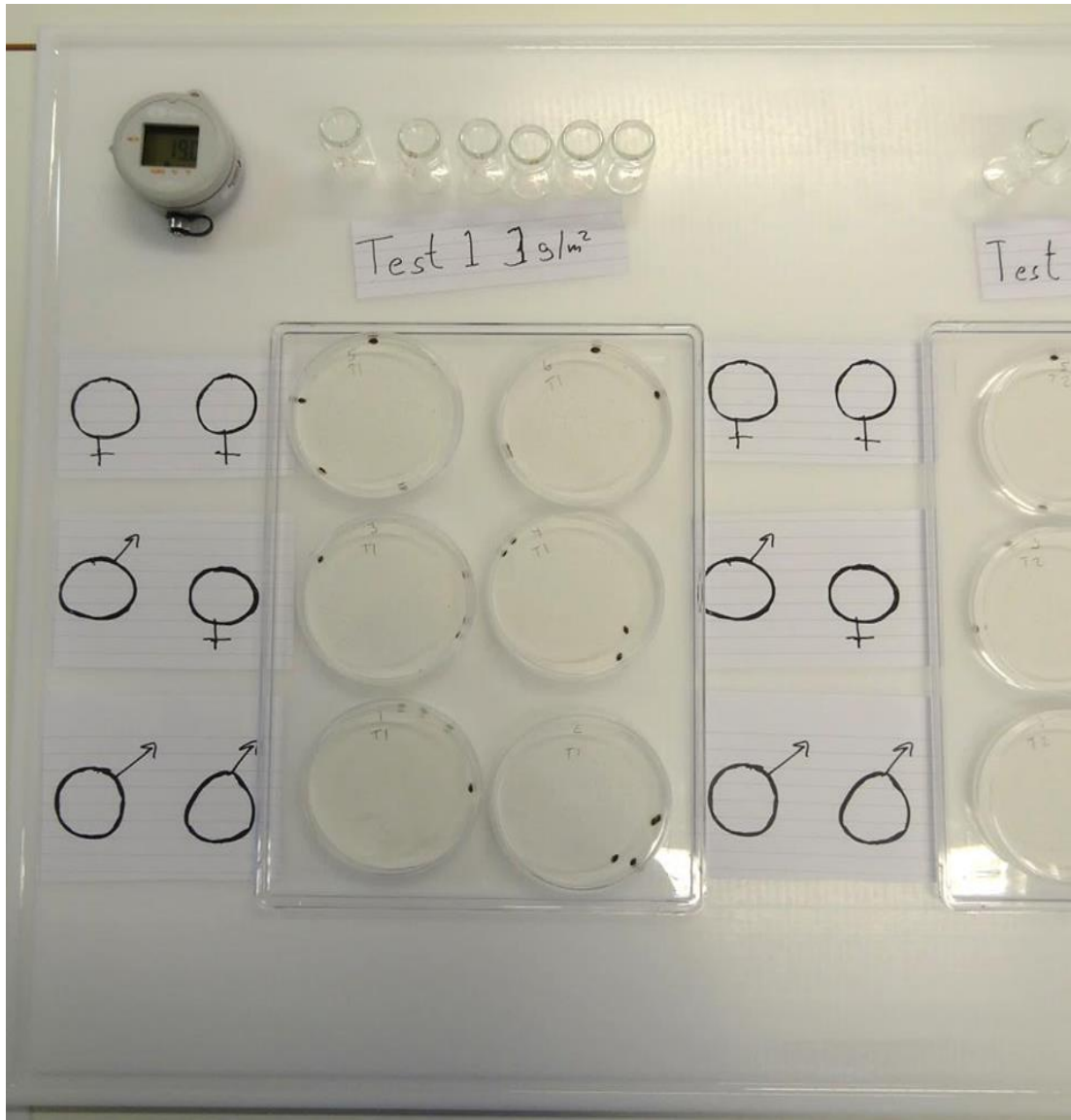
Espen Roligheten





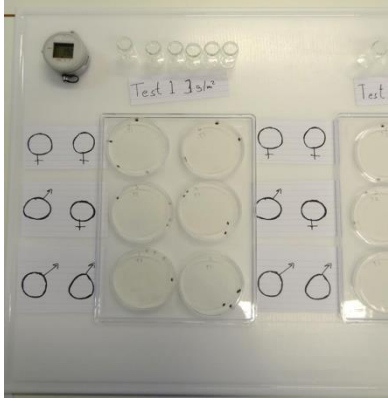
Eksperimentene

- Dose respons
  - Myrnix (DED)
  - Syloid pulver
  - Doser
    - 3,0 g/m²
    - 1,0 g/m²
    - 0,3 g/m²
    - 0,1 g/m²

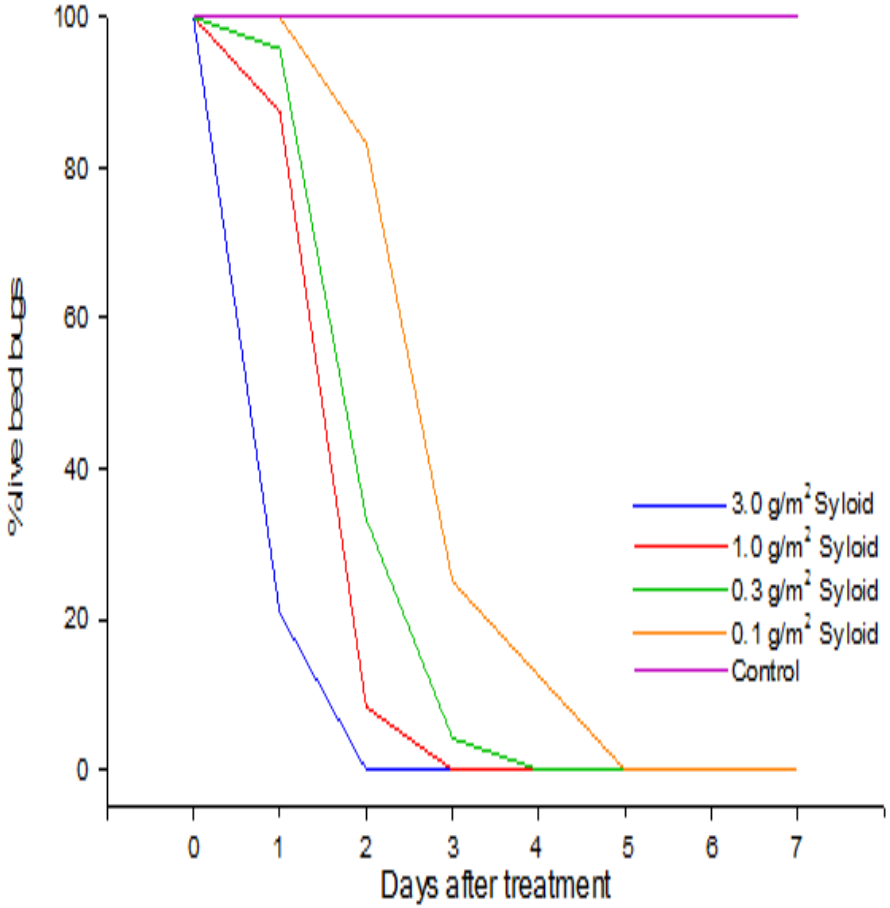


Resultat

- Dose respons: dødelighet



Syloid pulver



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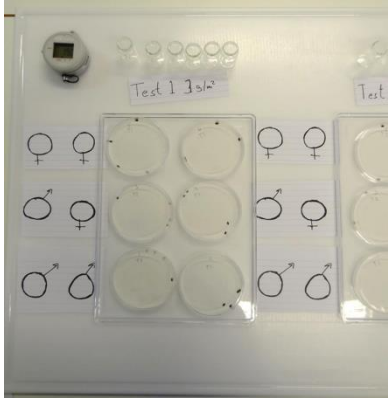
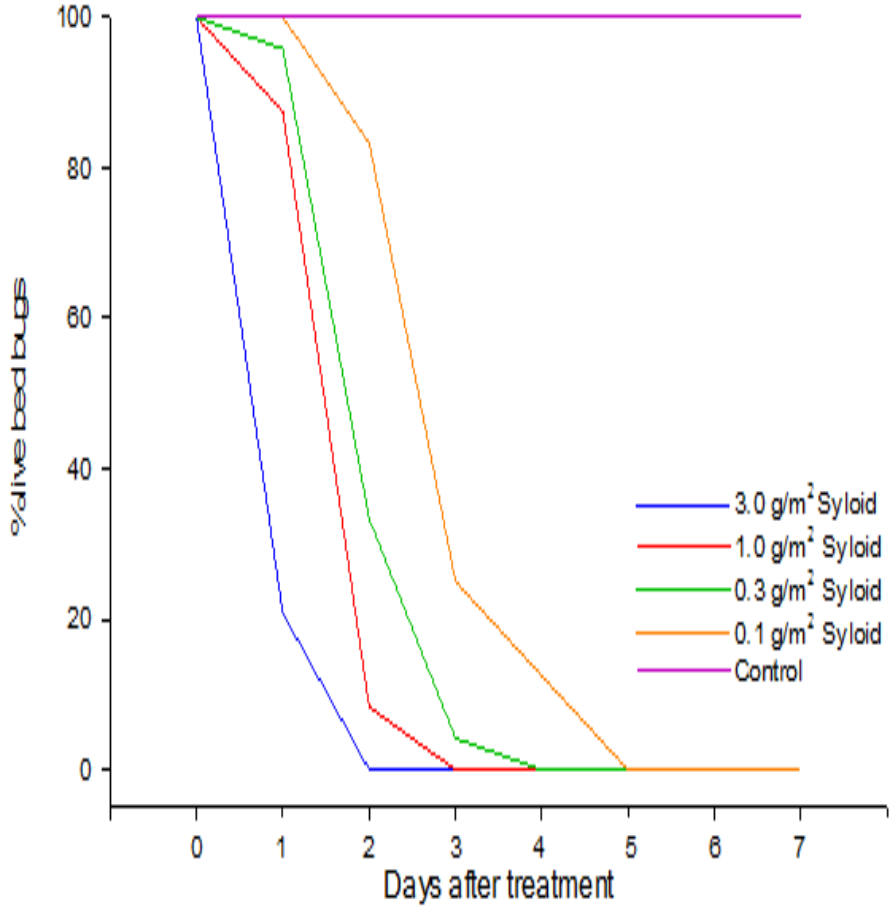
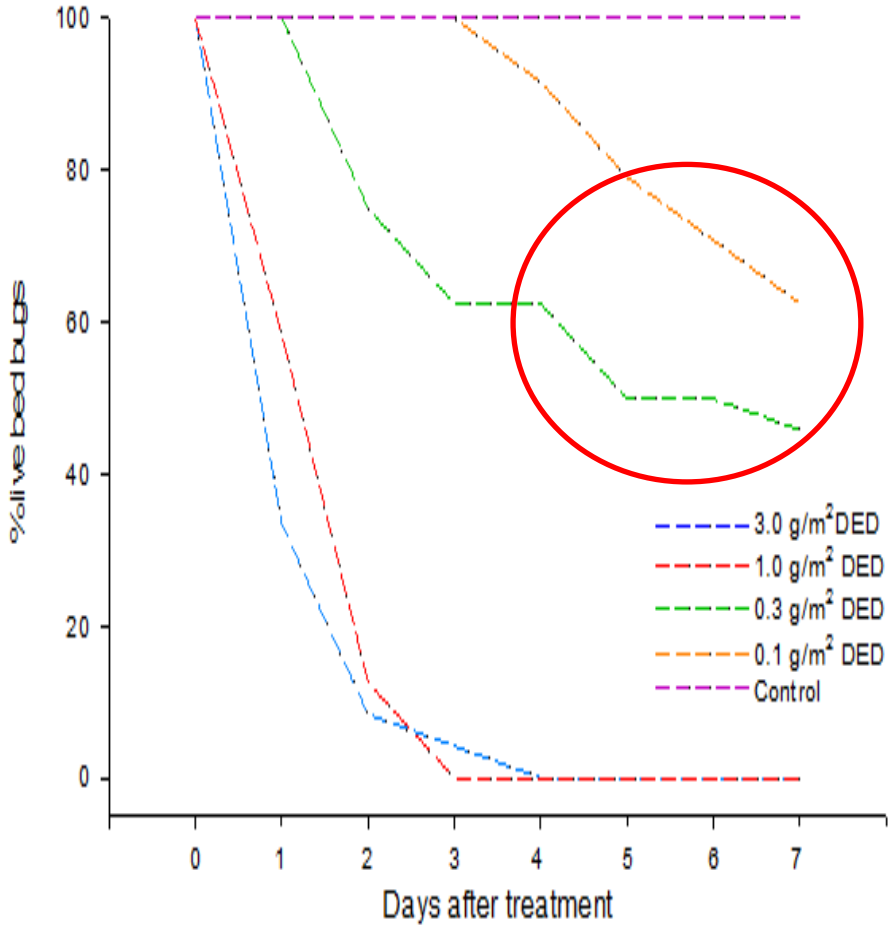
- Dose respons: dødelighet



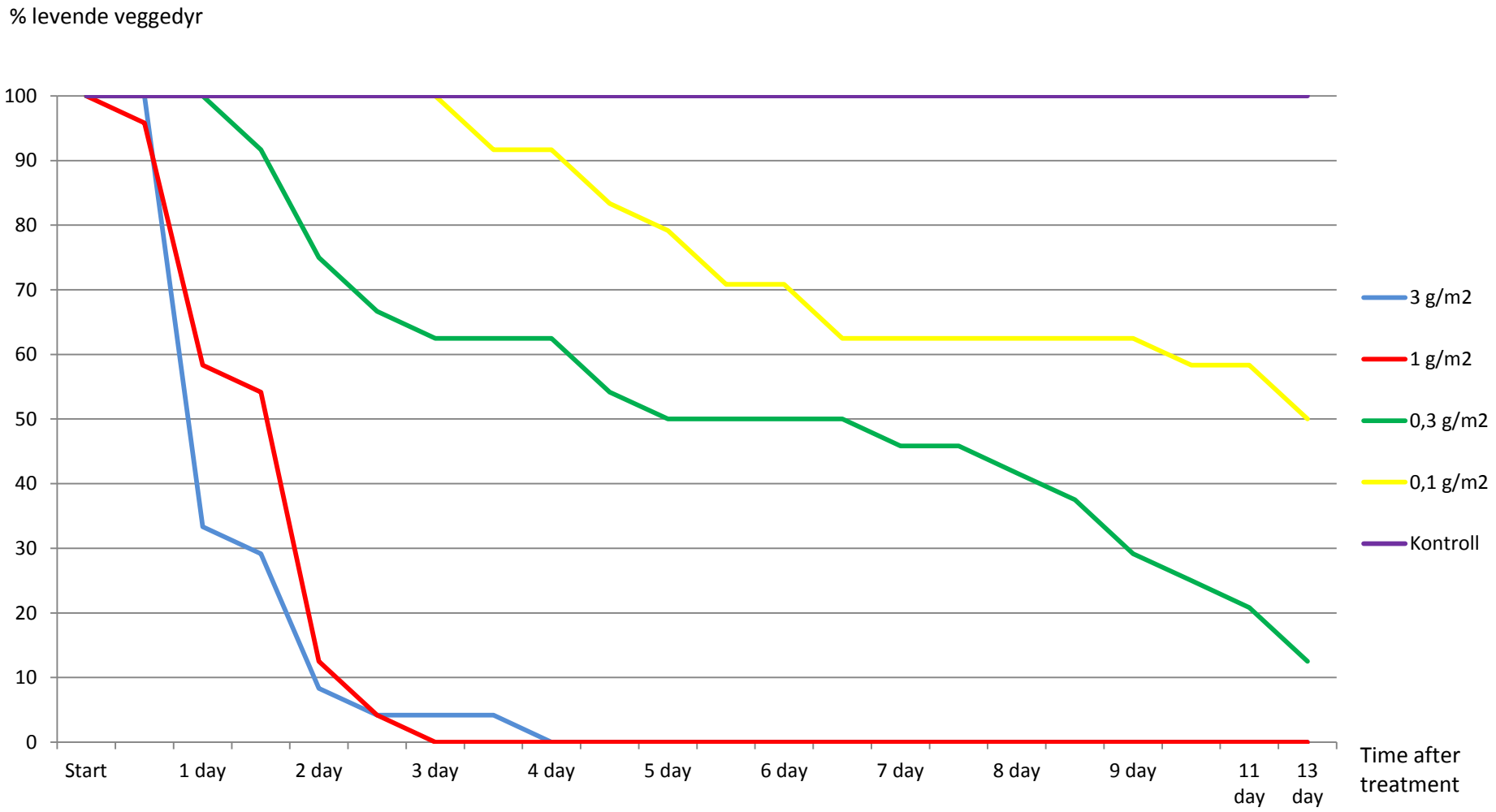
Syloid pulver



Myrnix

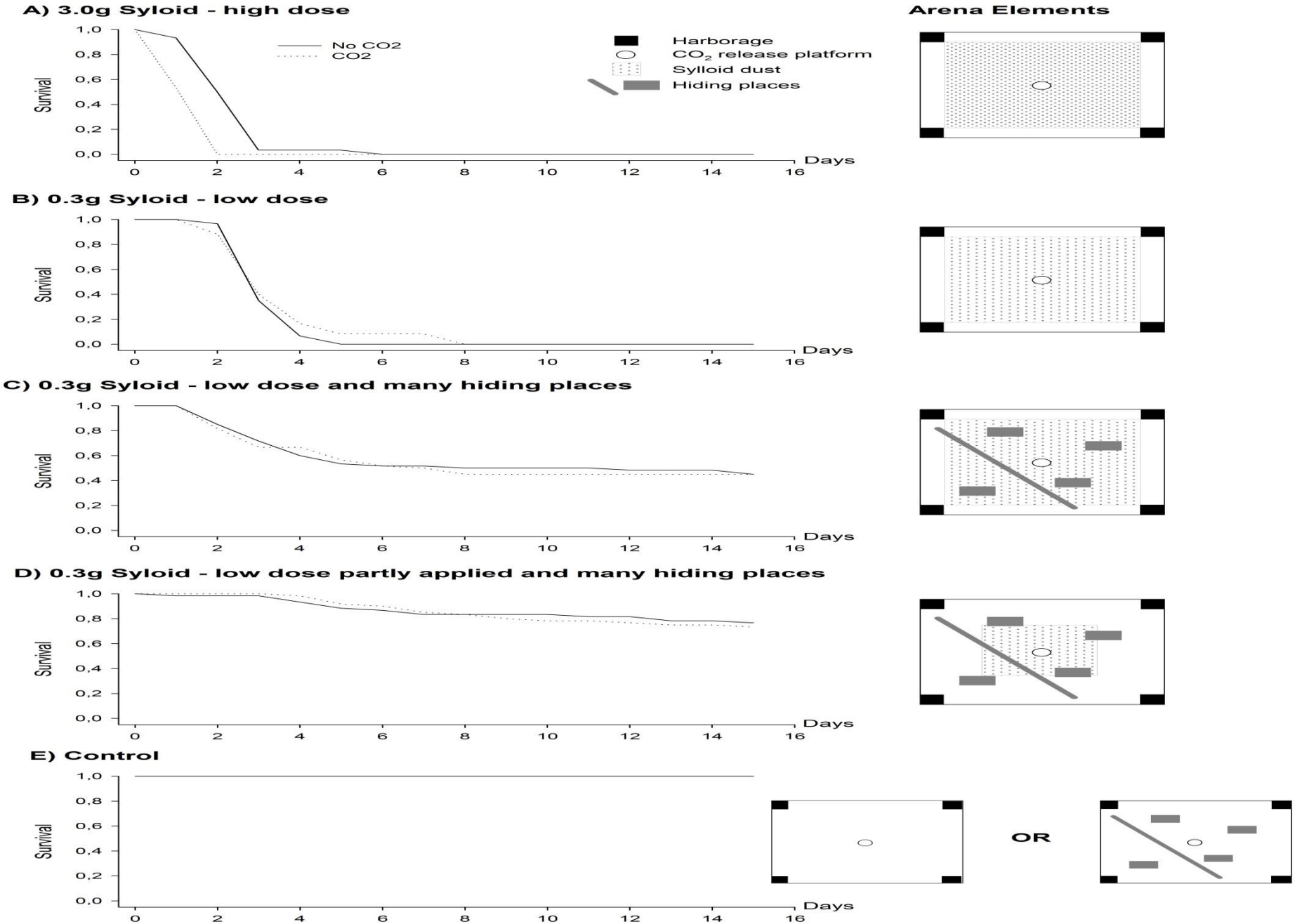


Myrnix opp til 13 dager



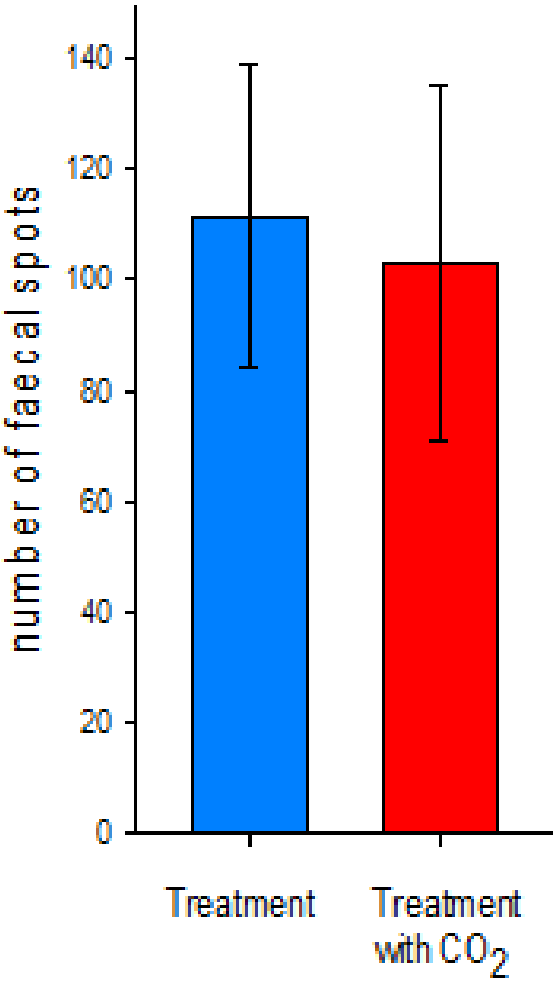
- Arena studie
  - Med/uten CO_2 (lokke dem frem)
  - 0,3 g/m² Syloid pulver
  - Behandlet 1 m²
  - 10 dyr per arena
  - 5 dager i arena
  - 2 timer film

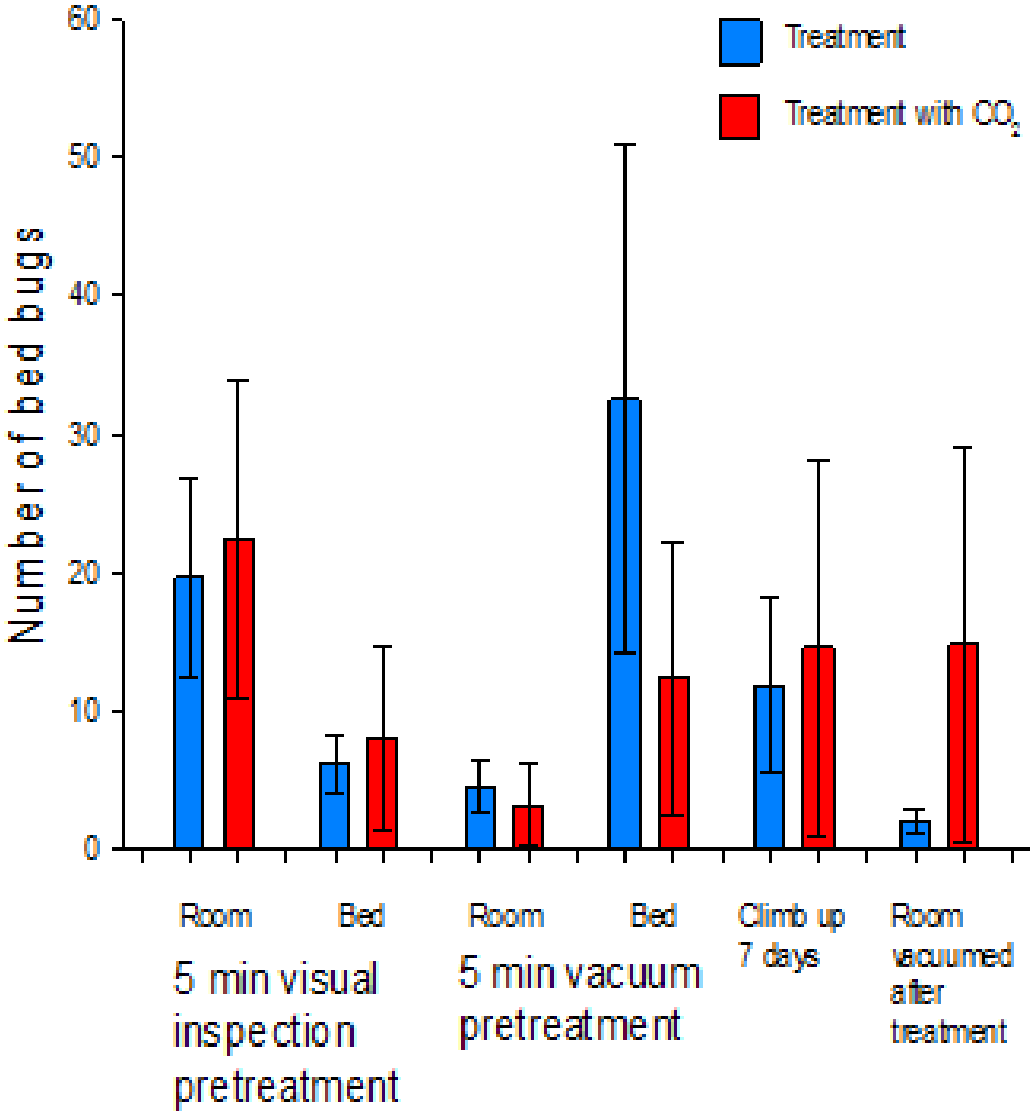
Arena studiene



- Felt forsøk
  - 11 student rom
  - 5 med CO_2
  - 6 uten CO_2
  - 1.0 g/m² med Syloid
  - Møbler fryst
  - 7 dager behandling
  - Sengetrekk
  - Ryddet
  - Etterkontroll etter 10-12 uker

- Felt forsøk: data





- Felt forsøk: resultat

6 felt forsøk uten CO_2

Feilet behandling

5 felt forsøk med CO_2

Behandling vellykket

Konklusjon

- Syloid pulver dreper veggdyr effektivt ved kontakt.
- Myrnix dreper veggedyr på doser fra 1 g/m² eller høyere
- CO_2 øker aktiviteten til veggedyr.

- Kombinasjonen Syloid pulver og CO_2 i felt førte til bekjempning av veggedyrene på 1 uke
- Kun bruk av Syloid pulver førte til at behandling feilet ved kun 1 uke behandling

Mastergraden tilgjengelig

- http://brage.bibsys.no/xmlui/handle/11250/197273