



Bovaer

Hvad er det, hvad gør det – og hvordan skal det håndteres

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L&F webinar, 16. september 2025

Hvad er Bovaer

- og hvad består det af ?



Nitrate
from minerals



Salpeter Mineral → HNO₃

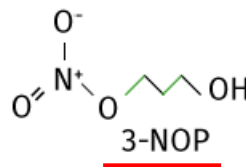
Nitrat
10%

Natural alcohol
from corn raw material



HO — CH₂ — CH₂ — OH

Propylenglykol
40%



Carrier material
(free flowing powder)



Silica / Kisel
50%



BOVAER10®

Hvad er Bovaer

-og hvad består det af ?



Nitrate
from minerals



Salpeter Mineral $\rightarrow$ HNO_3

Nitrat

Ensilager

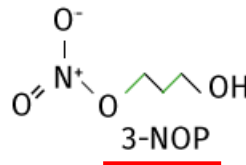
Natural alcohol
from corn raw material



$\text{HO}-\text{CH}_2-\text{CH}_2-\text{OH}$

Propylenglykol

Ketose



Carrier material
(free flowing powder)



Silica / Kisel

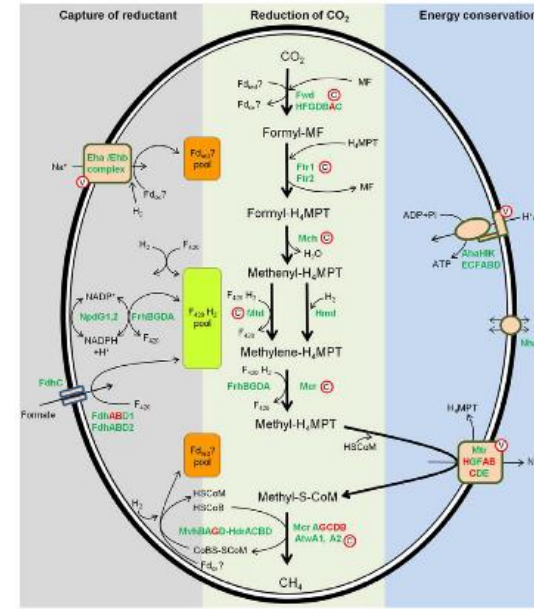
Bærestof



BOVAER10®

Hvordan virker Bovaer ?

Bakteriel forgæring i vommen



7 trin i metan dannelse

Bovaer blokerer enzym
funktion i det sidste trin
(unikt for metanogener)



3-NOP

EFSA laver en risiko-vurdering

- Ingen bekymring for forbrugeren
- Ingen bekymring for miljøet
- MEN, lad være med at hælde det i øjnene eller inhalere det!



The screenshot displays the EFSA Journal website. At the top, the EFSA logo and the text "EUROPEAN FOOD SAFETY AUTHORITY" are visible. A search bar is located in the top right corner. Below the header, there is a navigation bar with "JOURNALS" and "SUBJECTS" dropdown menus. The main content area features the "efsa JOURNAL" logo and an "OPEN ACCESS" badge. The title of the article is "Safety and efficacy of a feed additive consisting of 3-nitrooxypropanol (Bovaer® 10) for ruminants for milk production and reproduction (DSM Nutritional Products Ltd)". Below the title, it states "Scientific Opinion" and "Open Access" with Creative Commons icons. The authors listed are "EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP)", "Vasileios Bampidis, Giovanna Azimonti, Maria de Lourdes Bastos, Henrik Christensen ...". A link to "See all authors" is provided. The publication date is "First published: 19 November 2021" and the DOI is "https://doi.org/10.2903/j.efsa.2021.6905". The JEL classification is "Animal health and welfare".

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Safety and efficacy of a feed additive consisting of 3-nitrooxypropanol (Bovaer® 10) for ruminants for milk production and reproduction (DSM Nutritional Products Ltd)

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP) ✉
Vasileios Bampidis, Giovanna Azimonti, Maria de Lourdes Bastos, Henrik Christensen ... See all authors ▾

First published: 19 November 2021 | <https://doi.org/10.2903/j.efsa.2021.6905> |
JEL classification: Animal health and welfare



TS-optag og EKM var upåvirket

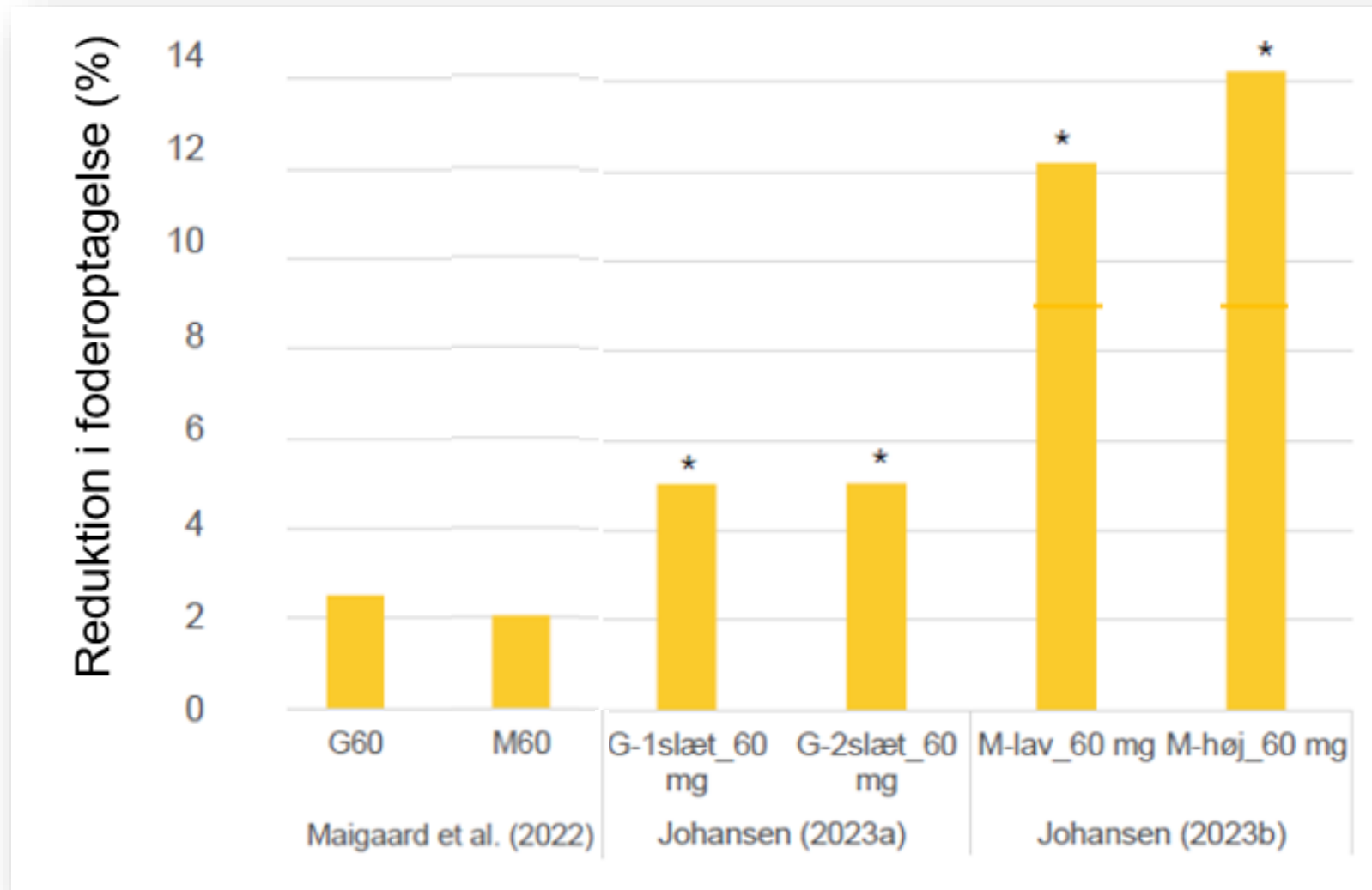
- Forsøg i 13 besætninger, 60 mg 3NOP/kg TS,
4 mdr. Bovaer

	Kontrol	Bovaer
TS-optag (kg/d)	23.6	23.8
EKM (kg/d)	36.6	36.4
Fedt %	4.79	4.79
Protein %	3.82	3.85

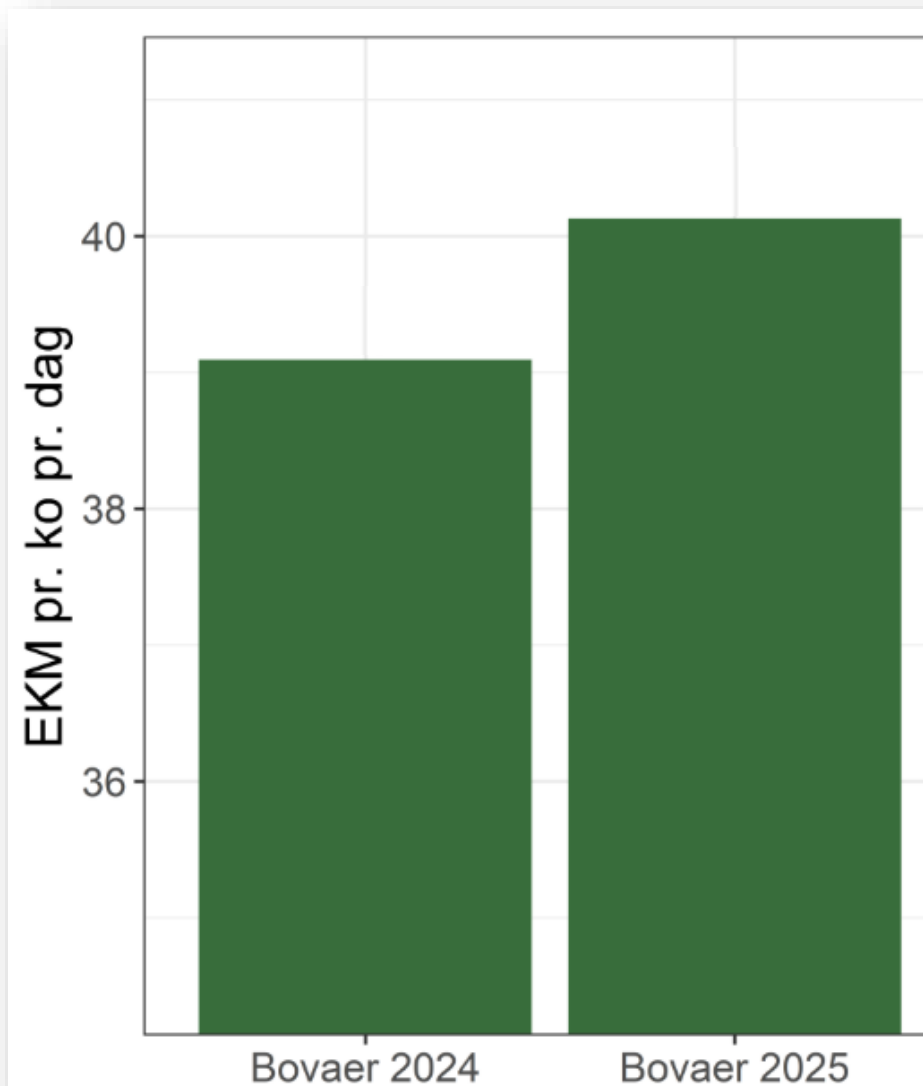


Bekymrende at forsøg viser reduktion i foderoptagelse

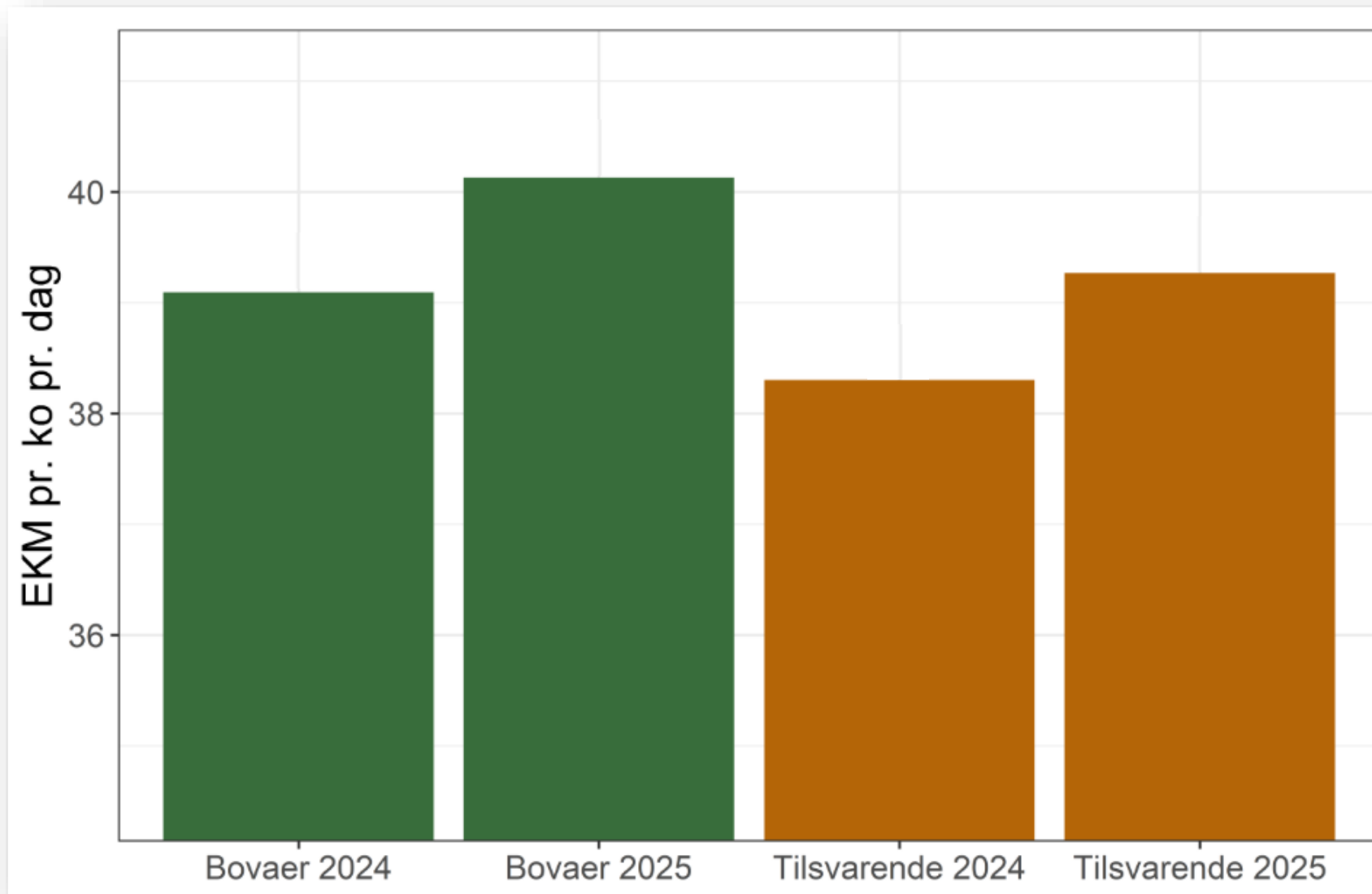
- i gns. 7% reduktion i TS-optag (~1,5 kg TS/ko/dag)



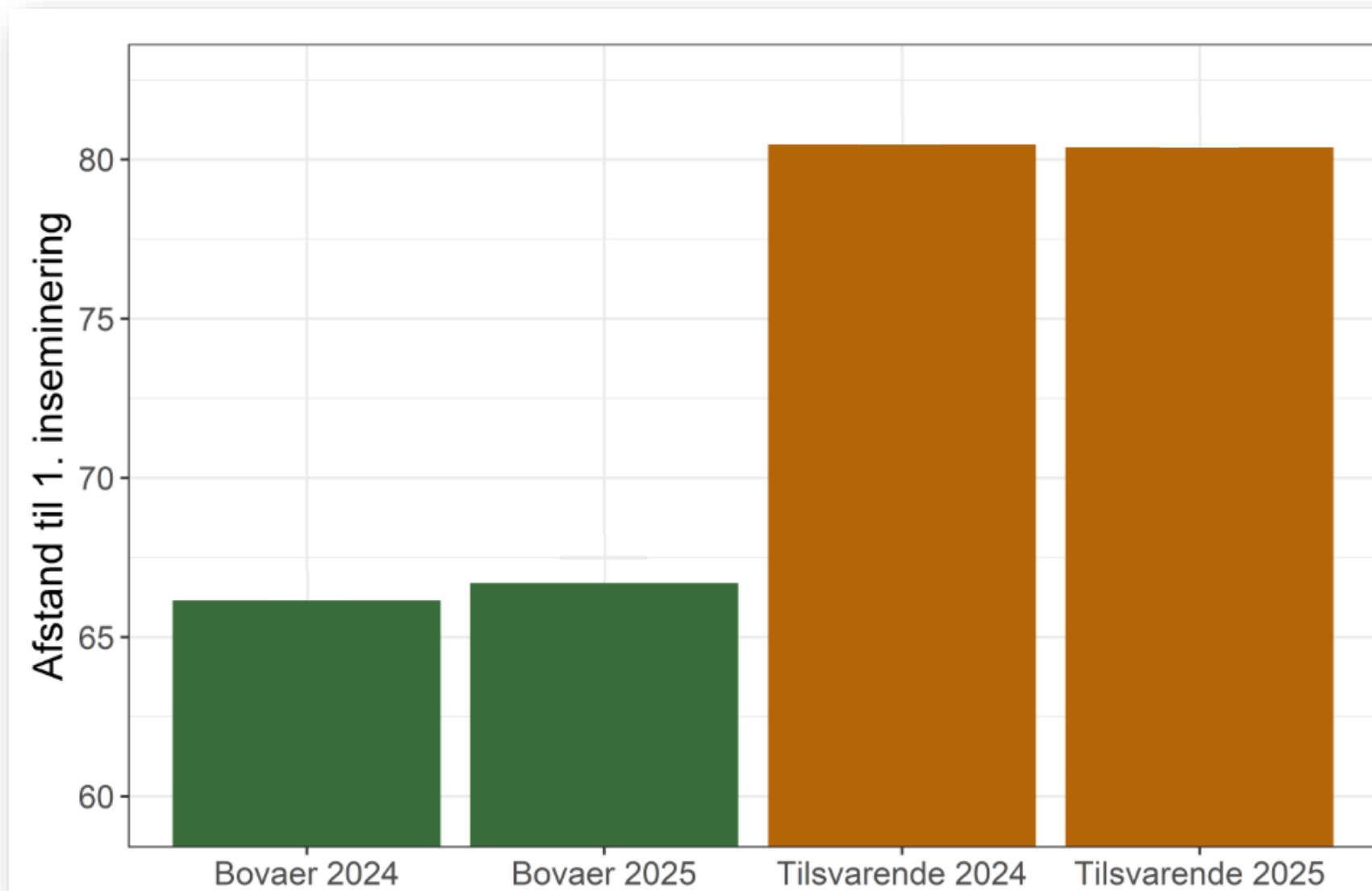
6 mdr brug af Bovaer



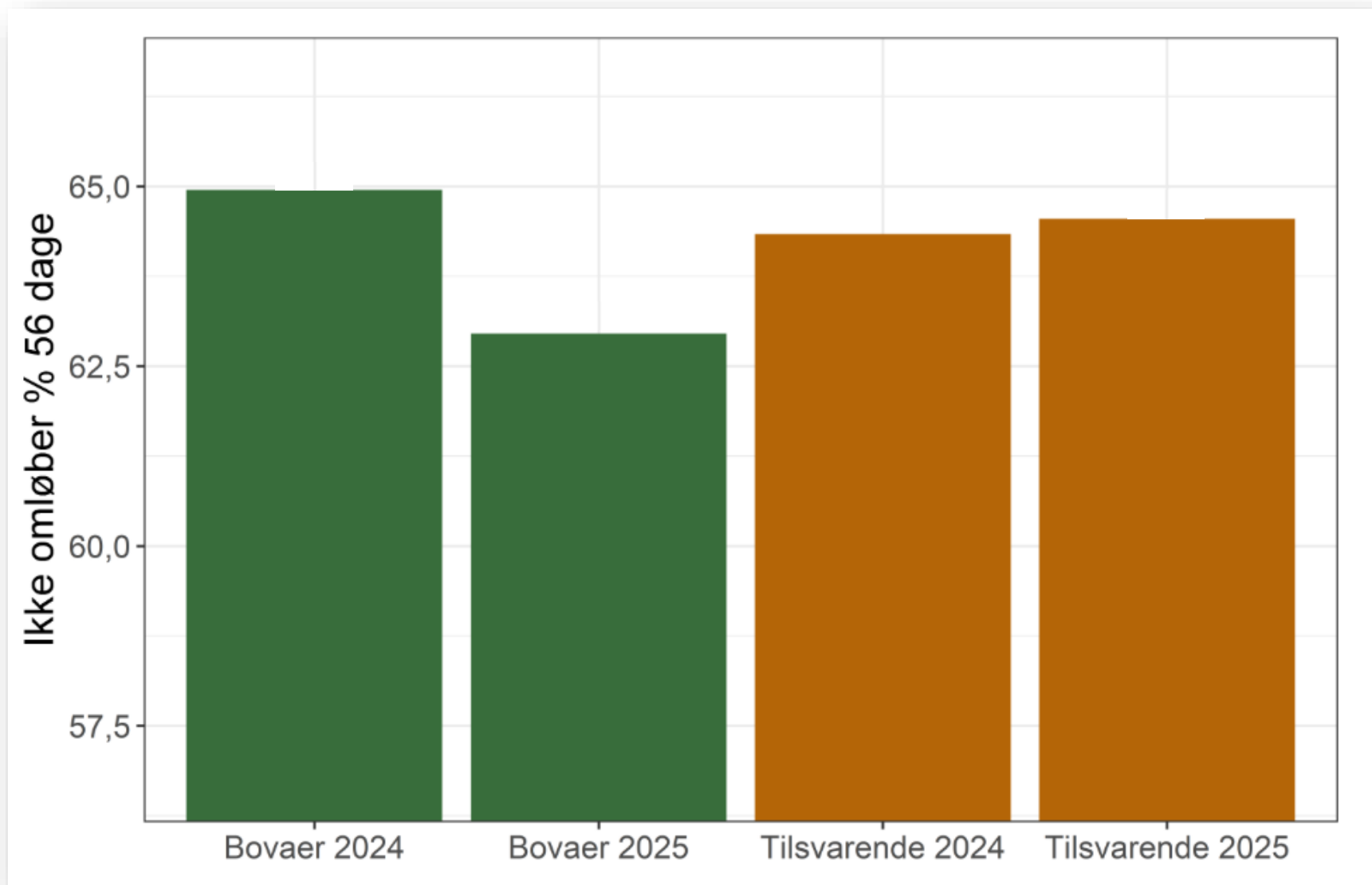
6 mdr brug af Bovaer



Dage til første inseminering



Ikke omløber % (56 dage efter 1.inseminering)





Dosering er meget vigtig!!

60 mg 3NOP/kg TS

= 1,5 gram 3NOP/ko/dag (*ved 25 kg TS*)

= 15 gram Bovaer/ko/dag





Dosering er meget vigtig!!

60 mg 3NOP/kg TS

= 1,5 gram 3NOP/ko/dag (ved 25 kg TS)

= 15 gram Bovaer/ko/dag

80 mg/kg TS medfører reduktion i
foderoptag og mælkeydelse:

= 2,0 gram 3NOP/ko/dag

- Kend køernes TS-optag!
- Vær kritisk omkring TS-analyser



Ny tilskudsordning for 2026

- Tilskudsordningen åbner 25 September – 23 Oktober
- Kompensation for krav i 2026
- Frivillig tilskudsordning til 3-NOP hele året

