

The grass year 2021 in DK

Torben S. Frandsen

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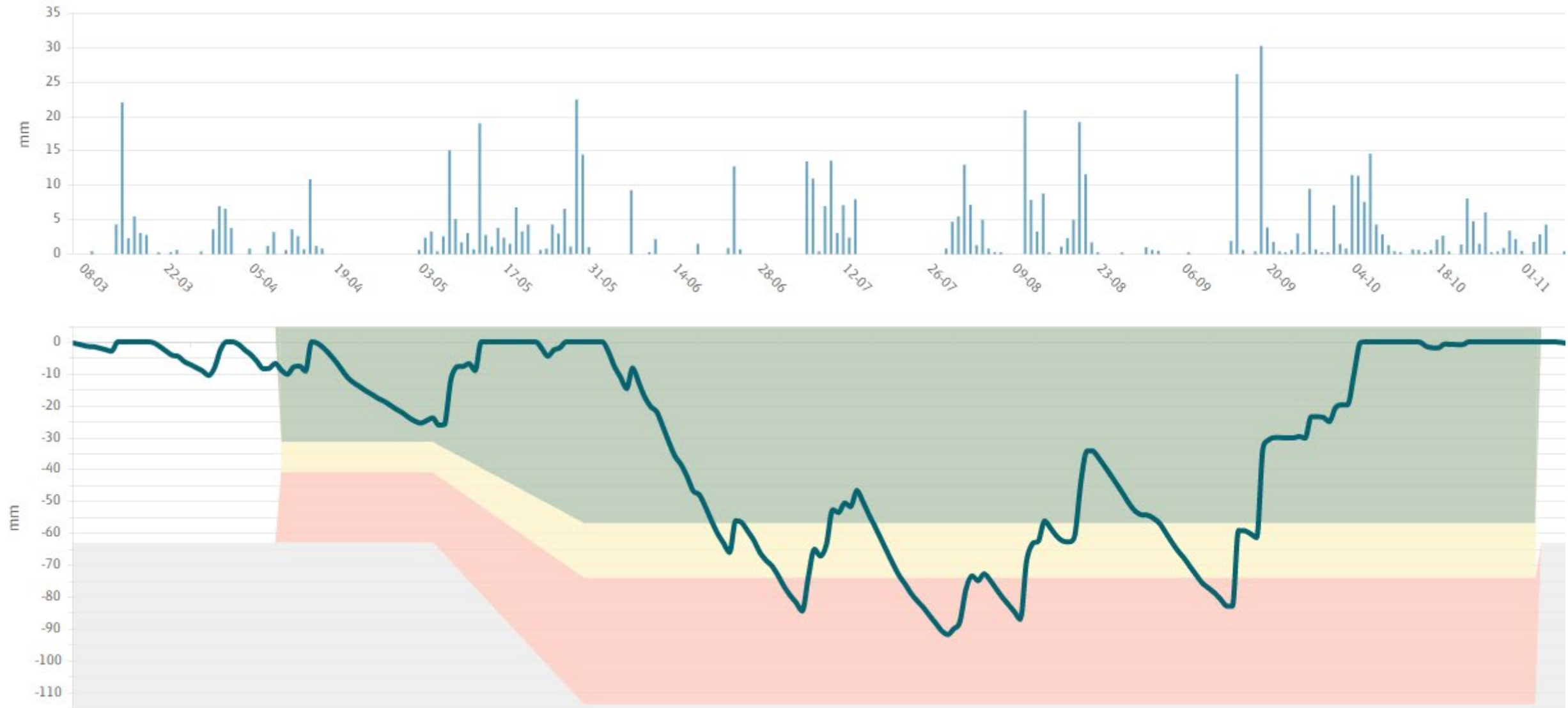
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Promilleafgiftsfonden for landbrug

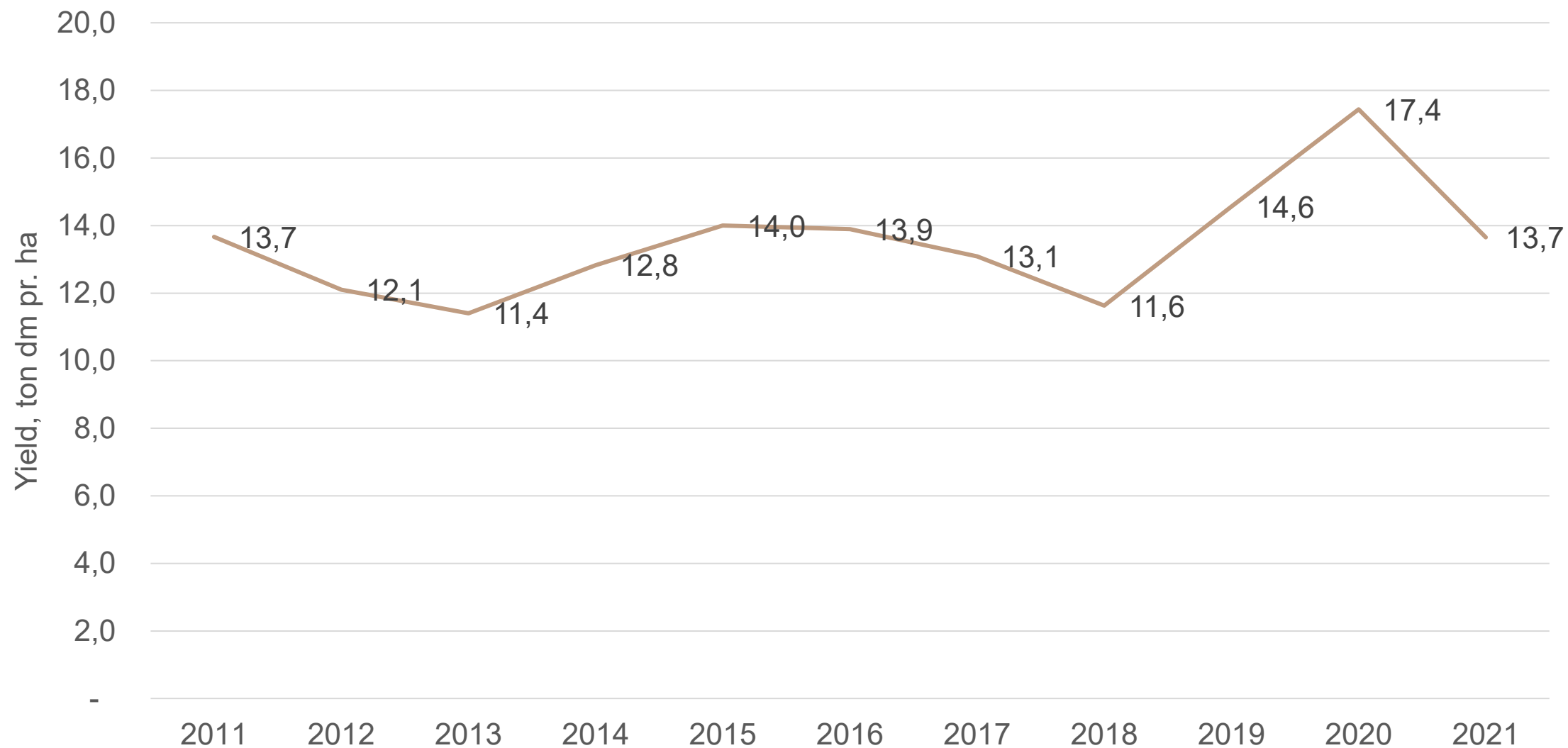
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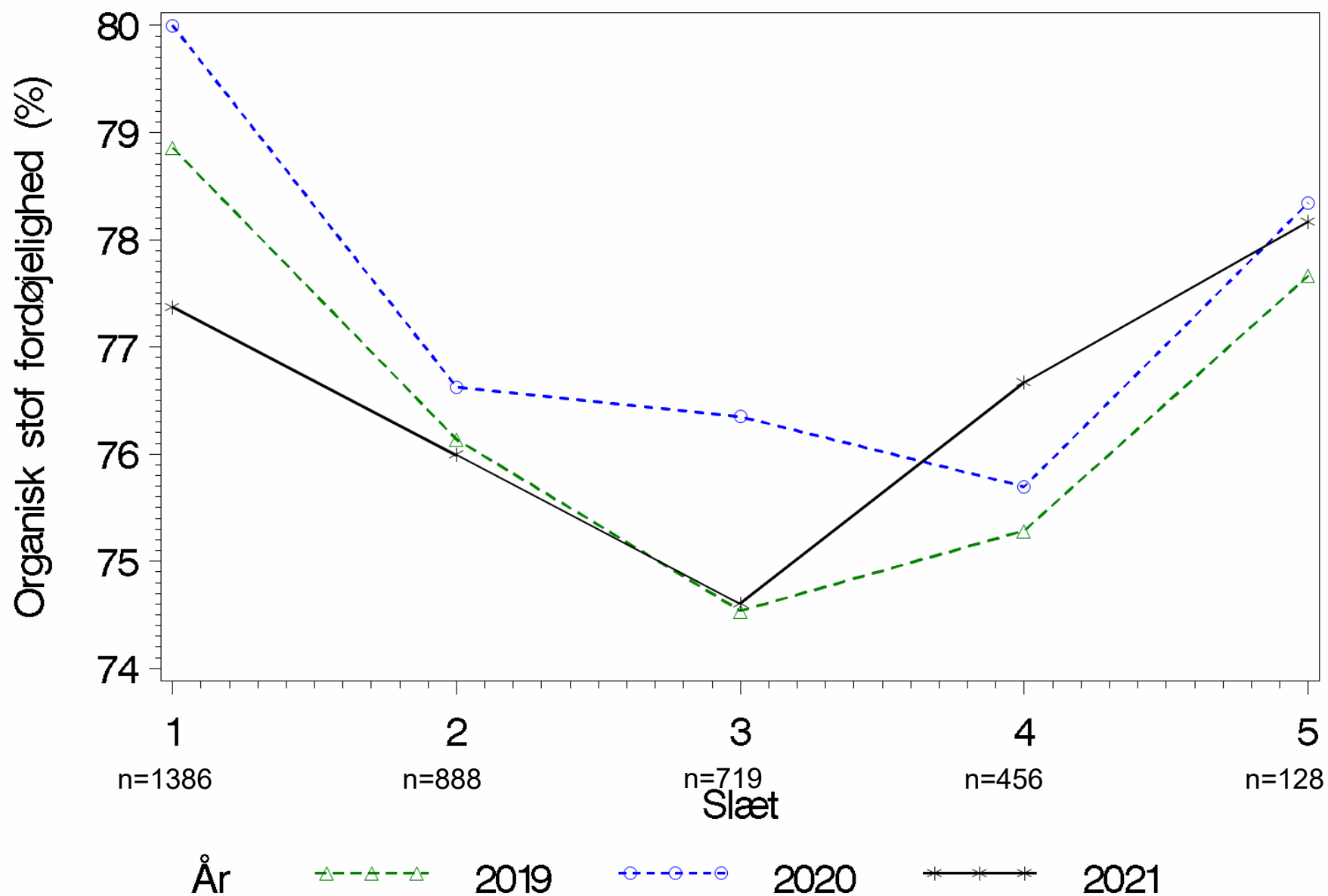
Precipitation and water deficit



Yield of reference mixture of perennial ryegrass (intermediate)

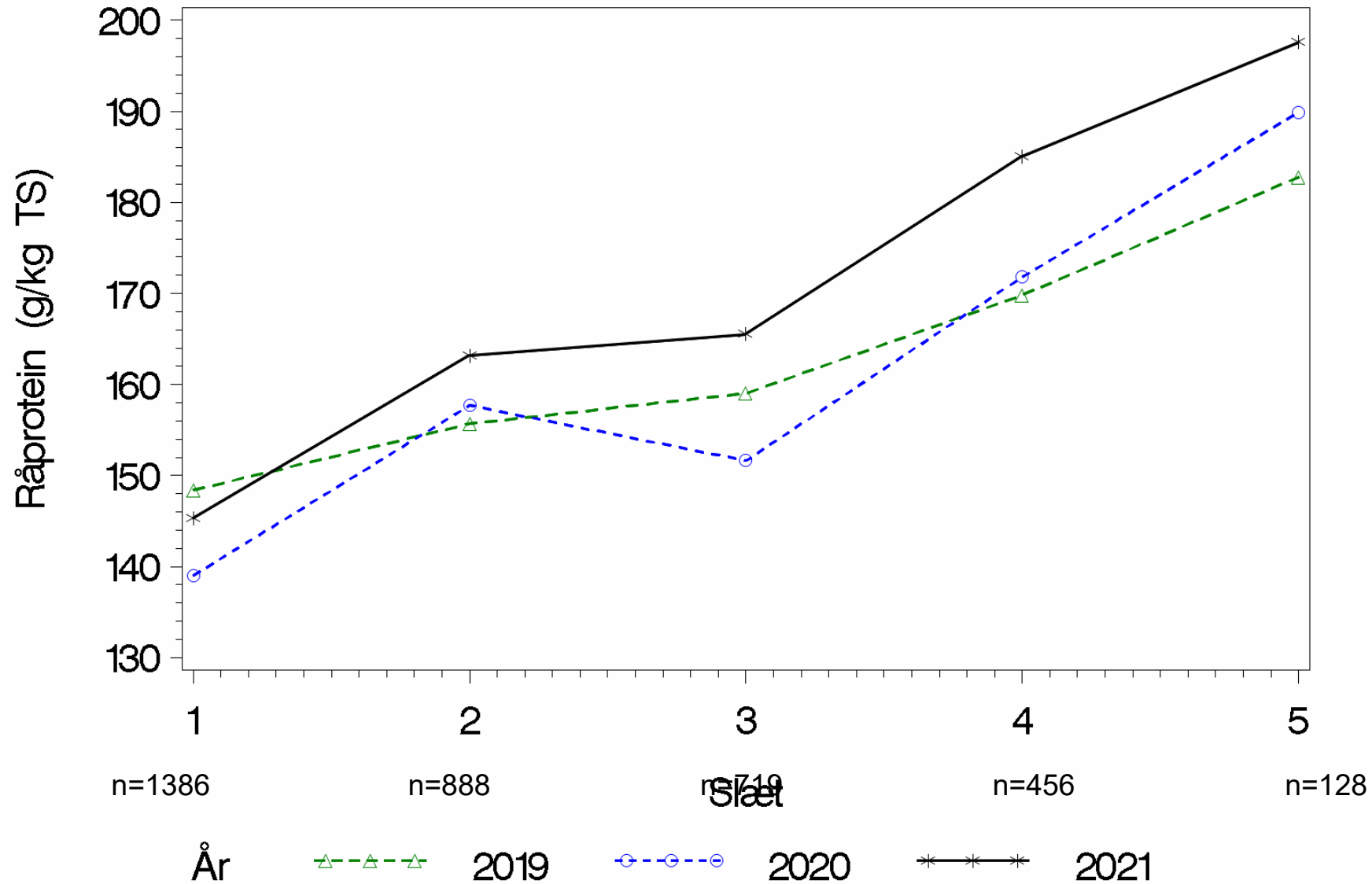


Lower DOM in 1. cut, due to delayed cutting time in silage analysis



Much focus on protein content

Kløvergræsensilage, udviklingen i råprotein (g/kg TS)



Effect of cutting strategies in grass clover mixtures

Torben S. Frandsen

Scandinavian grassland advisors

23. November 2021



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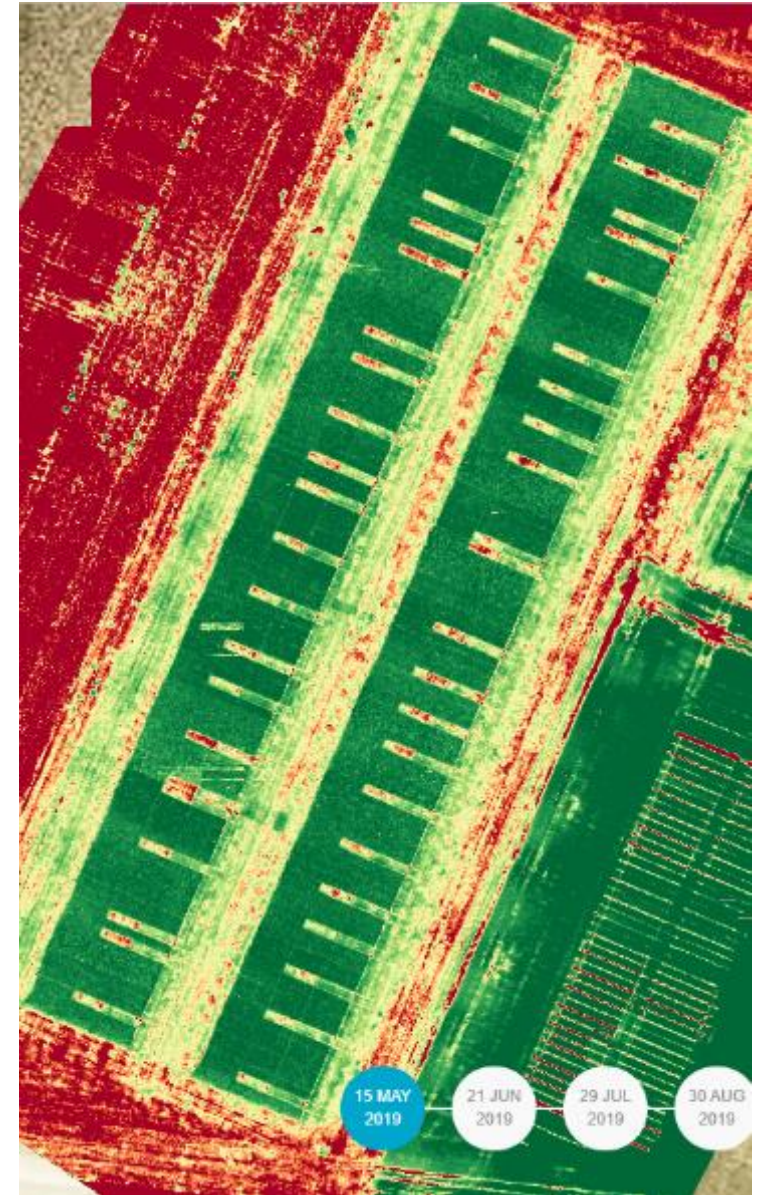
STØTTET AF
Promilleafgiftsfonden for landbrug



Trial setup

- 11 mixtures
- Harvest times
 - 2 weeks before norm
 - 1 week before norm
 - 5-cut strategy (35 d interval)
 - 1 week after norm
- 660 plots
- Yield potential
- Quality traits
- UAV monitoring

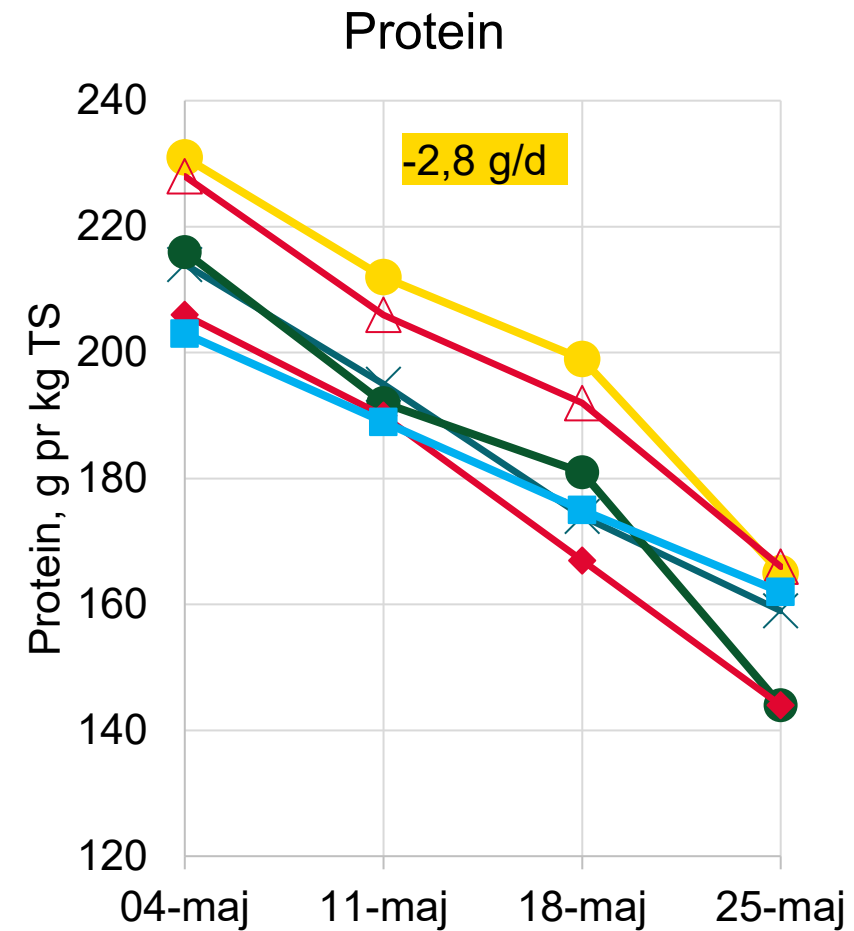
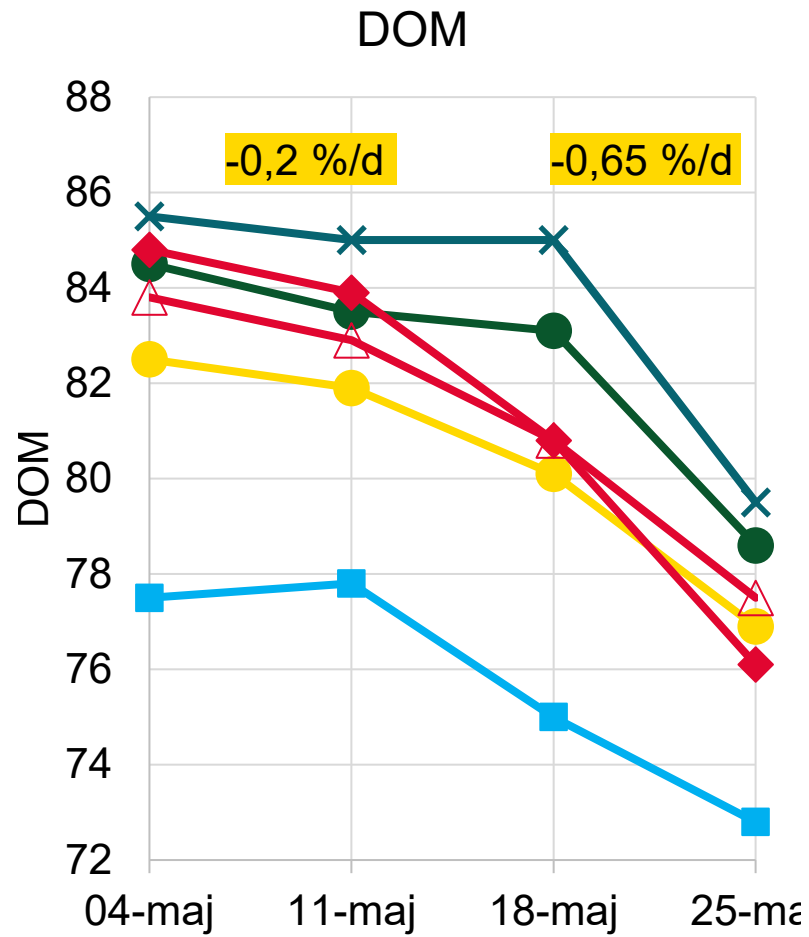
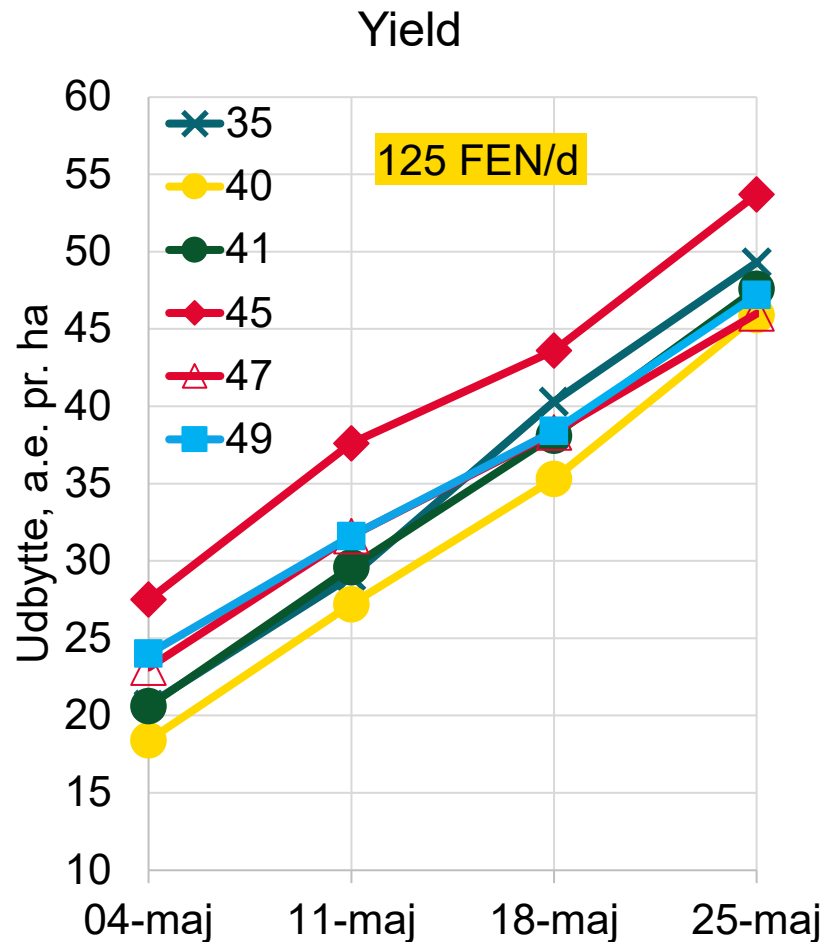
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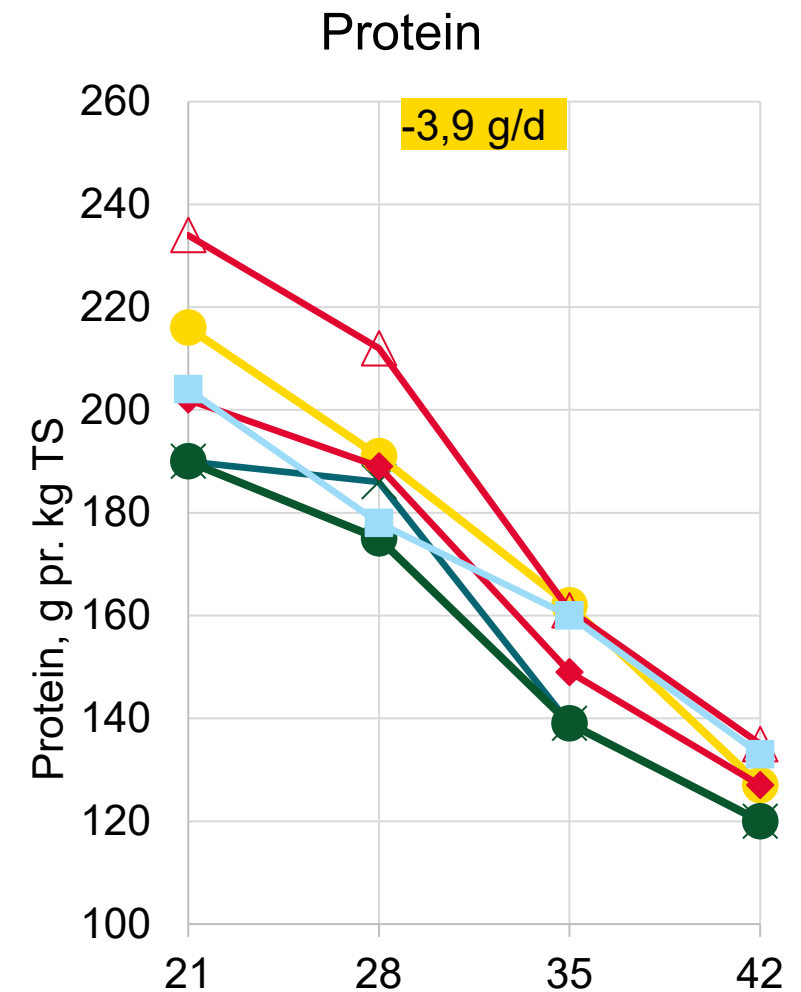
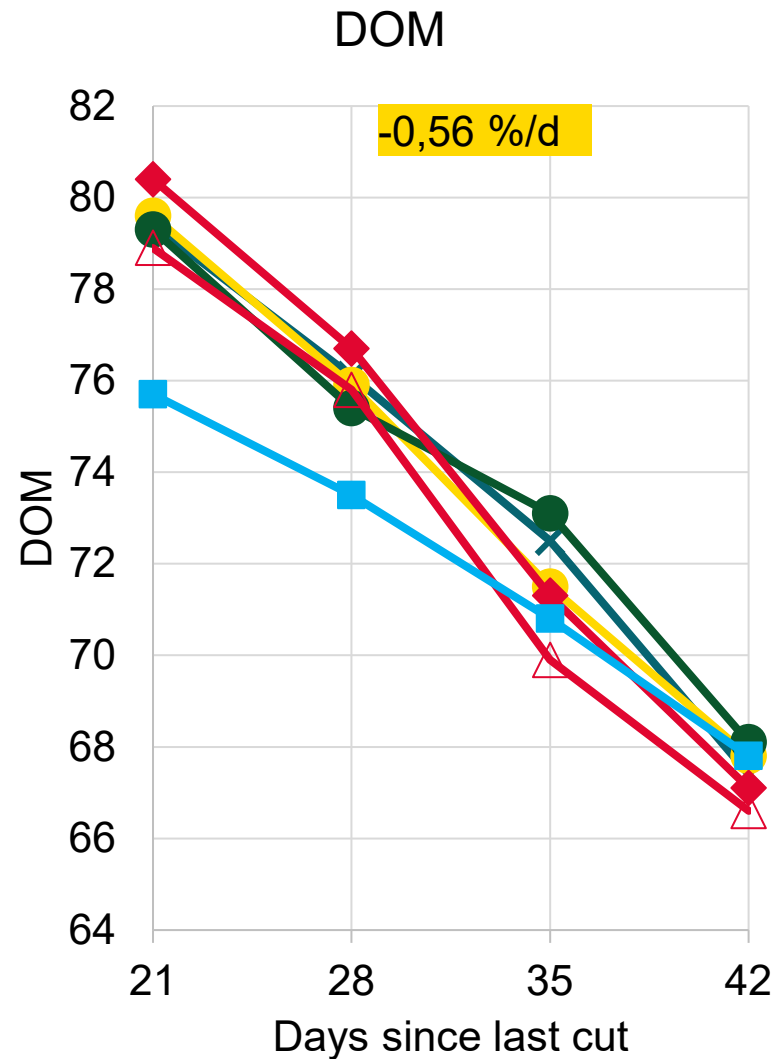
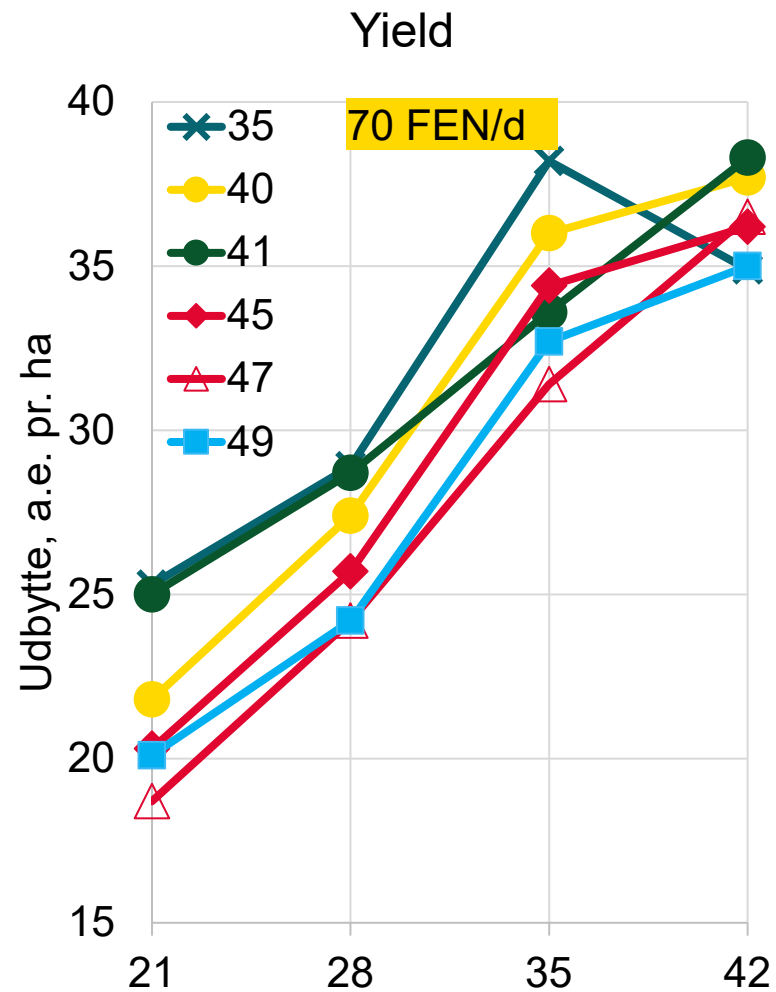
Mixture composition

% seed-composition	35	40	41	42	43	Ø44	45	46	47	49	50
White clover	13	9	13	9	13	9	7	13	5	6	10
Red clover		9		8		9	11		30	9	
Perennial ryegrass	87	52	57	60	47	42	37	37	32	15	15
Hybrid ryegrass				23	40						
Meadow mescue						15					
Festulolium (ryegrass)						25	45	50	33		
Festulolium (tall fescue)										30	30
Tall Fescue		30	30							40	45

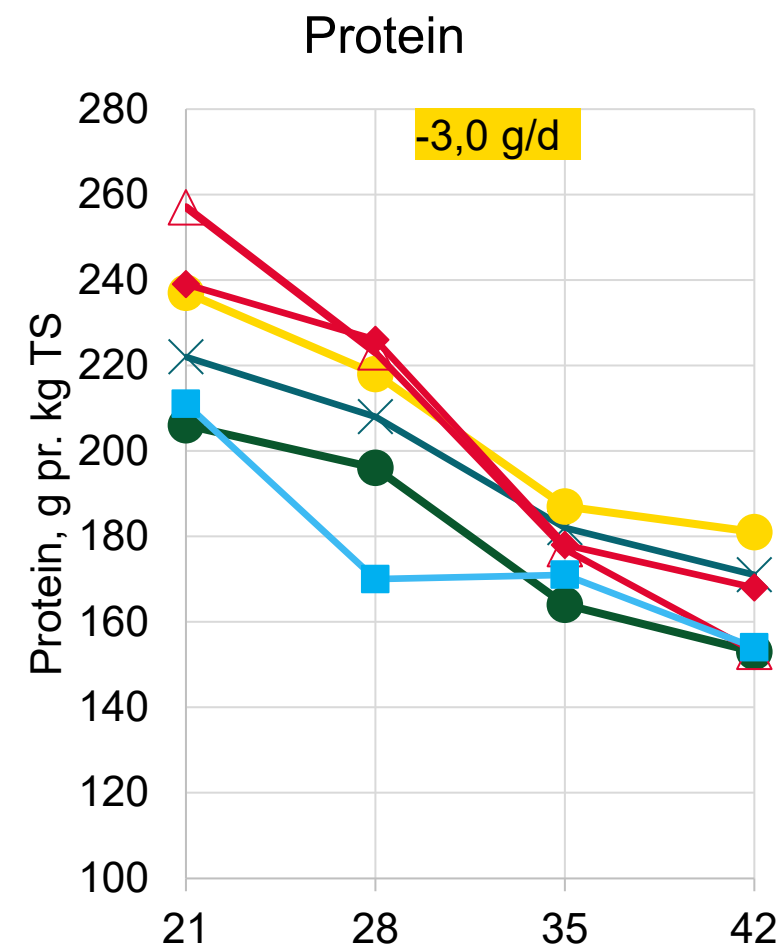
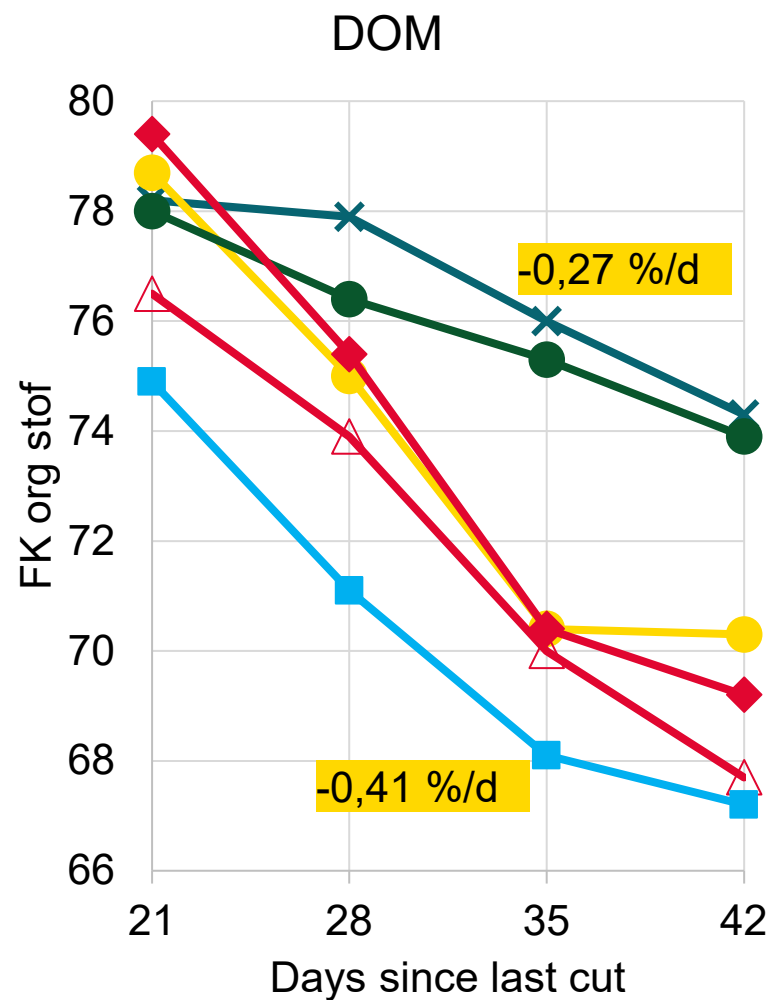
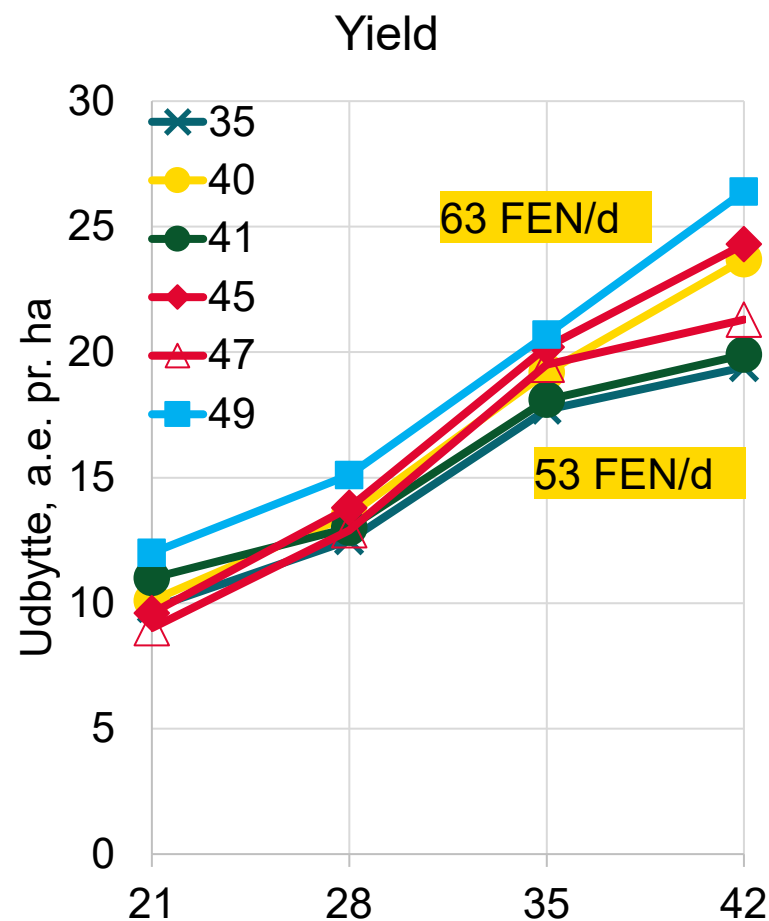
1. cut, avr. 2019-2020



2. slæt, gns. 2019-2020



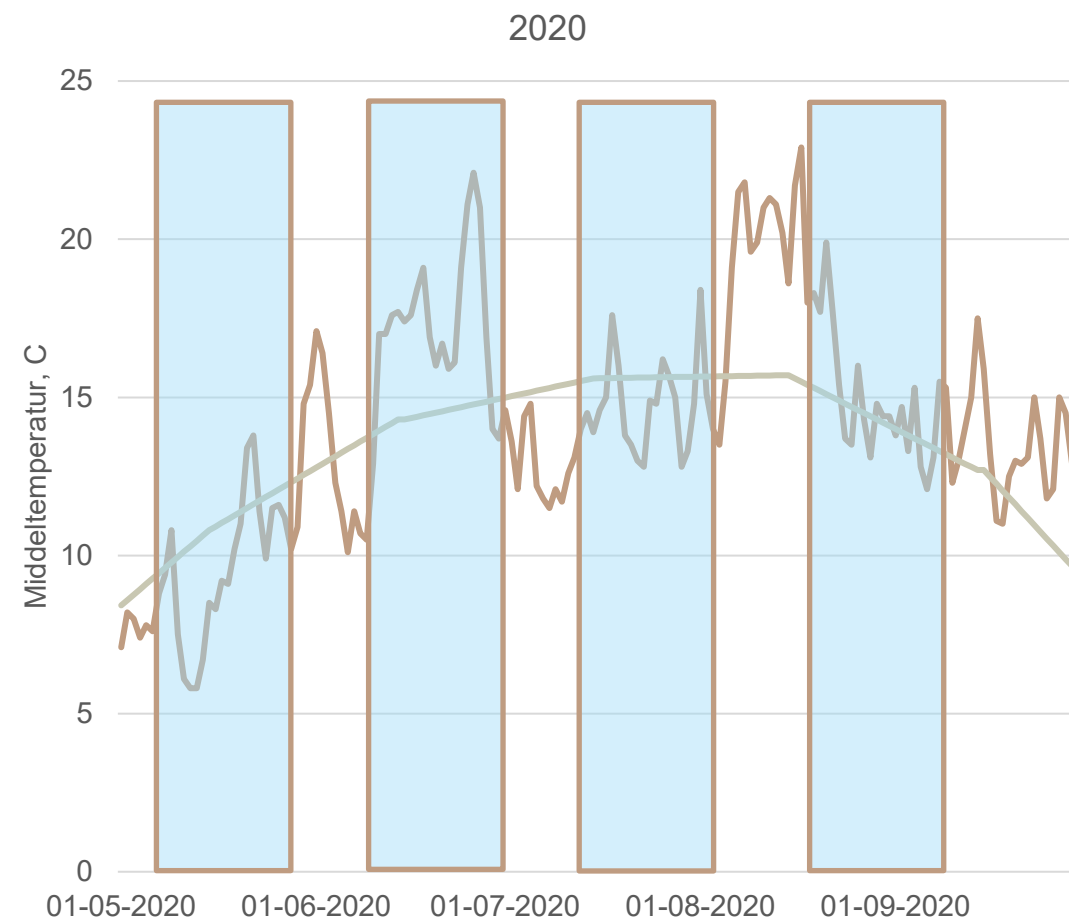
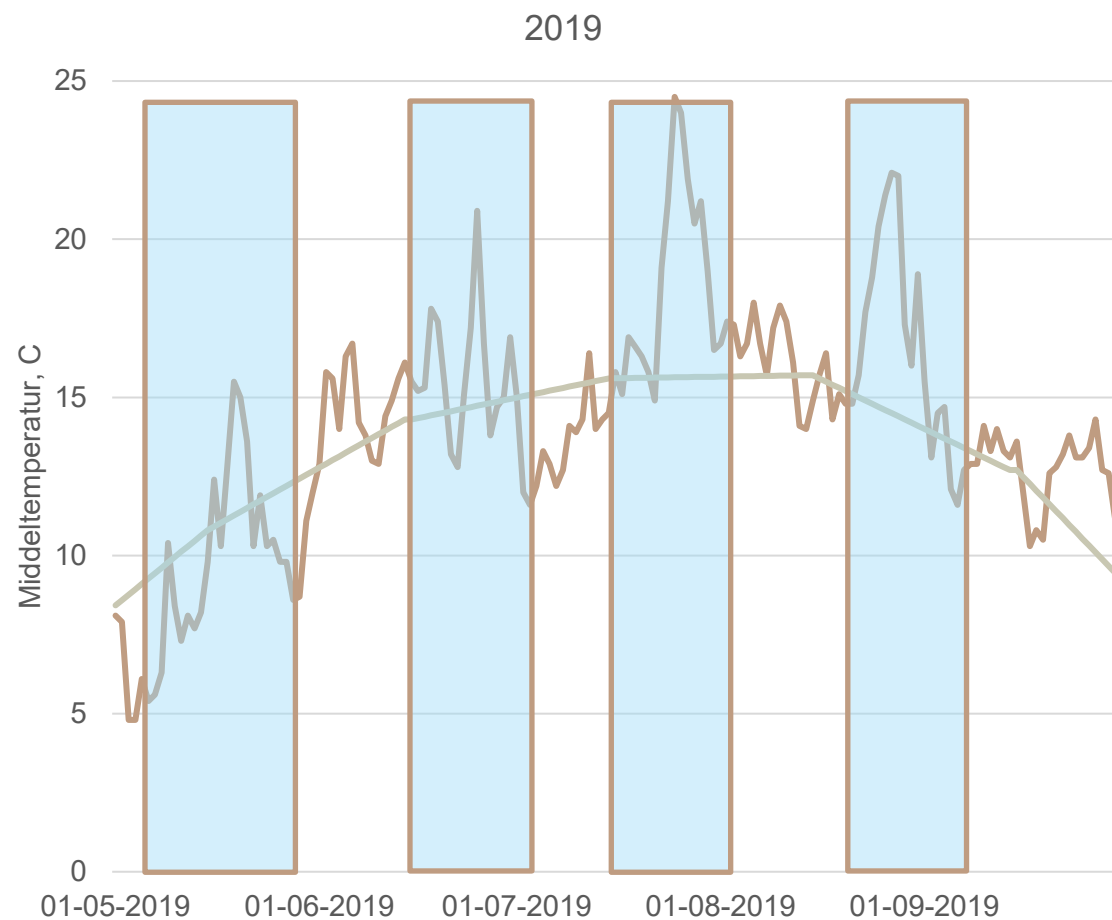
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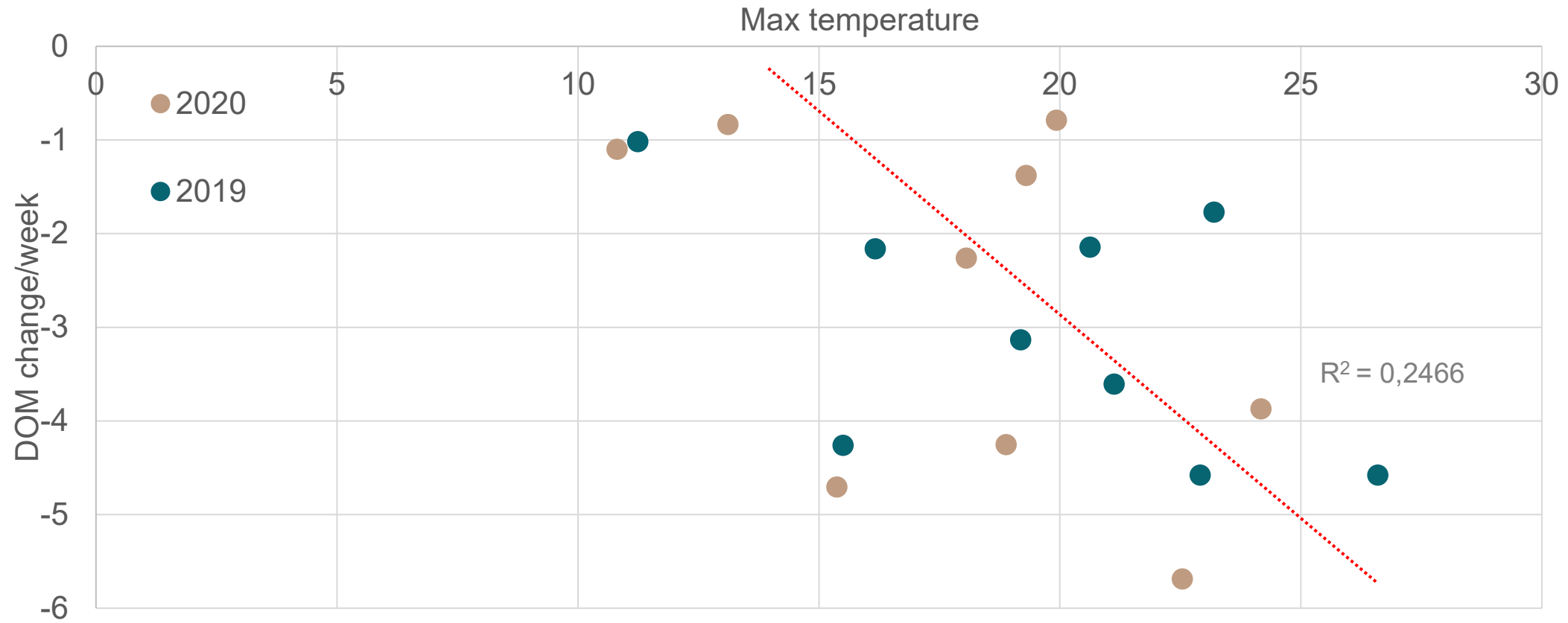
Development in different cuts

Avr. of mixtures	1. cut		2. cut		3. cut		4. cut	
Year	Gns	19/20	Gns	19/20	Gns	19/20	Gns	19/20
Growth rate, FEN pr. day	125	126/124	69	81/56	58	55/62	35	39/31
DOM (%-point pr. day)	-0,34	-0,32/-0,36	-0,56	-0,47/-0,66	-0,34	-0,47/-0,21	-0,15	-0,18/-0,12
Protein (g pr. day)	-2,8	-3,3/-2,3	-3,9	-4,6/-3,2	-3,2	-3,0/-3,4	-1,8	-2,1/-1,6

Temperature in 2019 og 2020



Temperature and decline of DOM



A decision support tool for farmers



SLÆTSTRATEGI, GRÆS

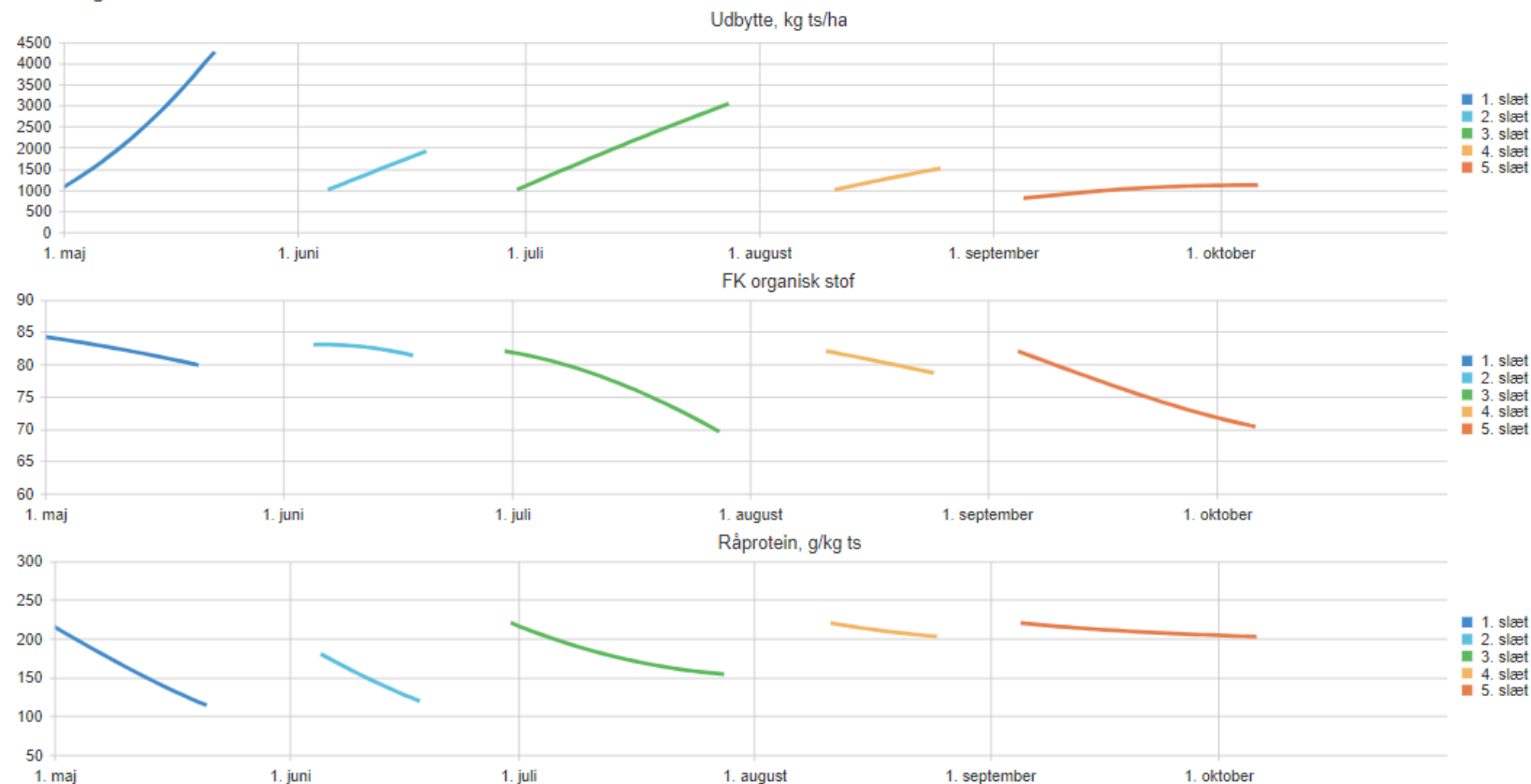
Standardværdier:

Postnr: **9670**, Græsblanding: **Kløver m. rajsvingel (45)**, Udbytteneiveau: **Normalt - 11.000 kg TS pr. ha**, Kløverandel: **Normal (16-30 %)**, Slætstrategi: **5 slæt** ▼
(18. maj, + 5 + 5 + 5 + 6 uger)

Slættidspunkter:

1. slæt		2. slæt		3. slæt		4. slæt		5. slæt	
Dato	Dage	Dato	Dage	Dato	Dage	Dato	Dage	Dato	Dage
20/05	28	17/06	40	27/07	28	24/08	42	5/10	

Udviklingskurver:



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