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About the influence of production intensity on the specific energy requirement for milk production

58th Annual Meeting of the European Association for Animal
Production Dublin August 26th - 29th 2007

Backgrounds

Methods

Results

Conclusions

- Specific objectives
- Experimental methods
- Results
- Conclusions

Today ...

Backgrounds

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- Milk production changed substantially in the last ten years:
 - 4,000 kg more milk/cow and year
- unfavourable development of other parameters of production:
 - age of first calving (by 24 months)
 - reproduction rate (over 40 %)

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Results

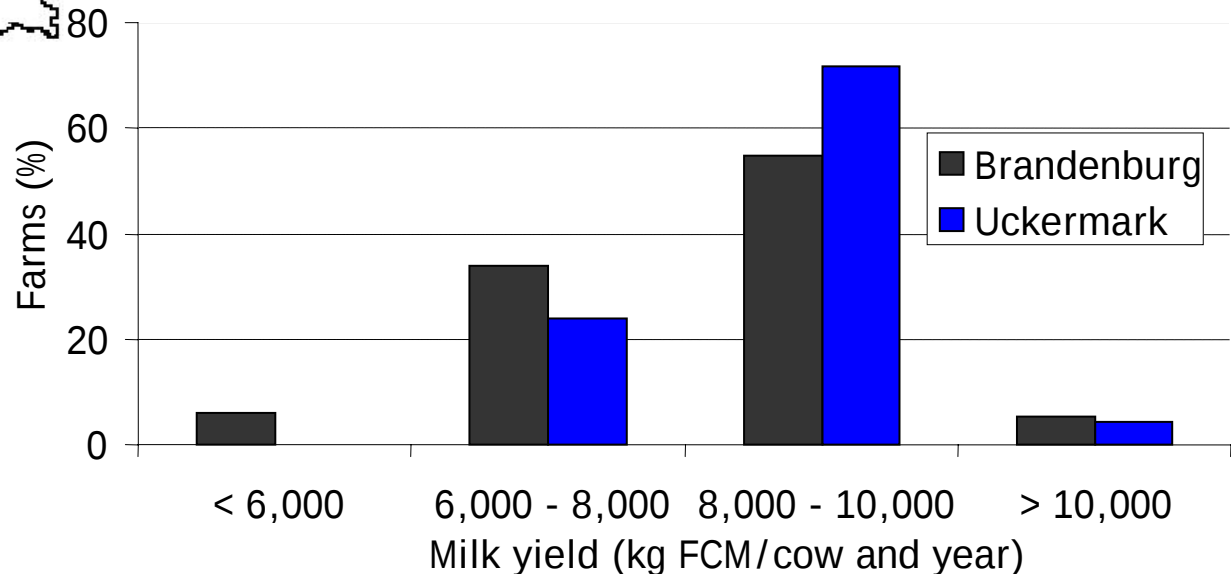
Conclusions

Investigation region



Area Brandenburg : 8,155 kg
(3,565 – 11,577 kg milk)

County **Uckermark** : 8,610 kg
(6,592 – 10,587 kg milk)



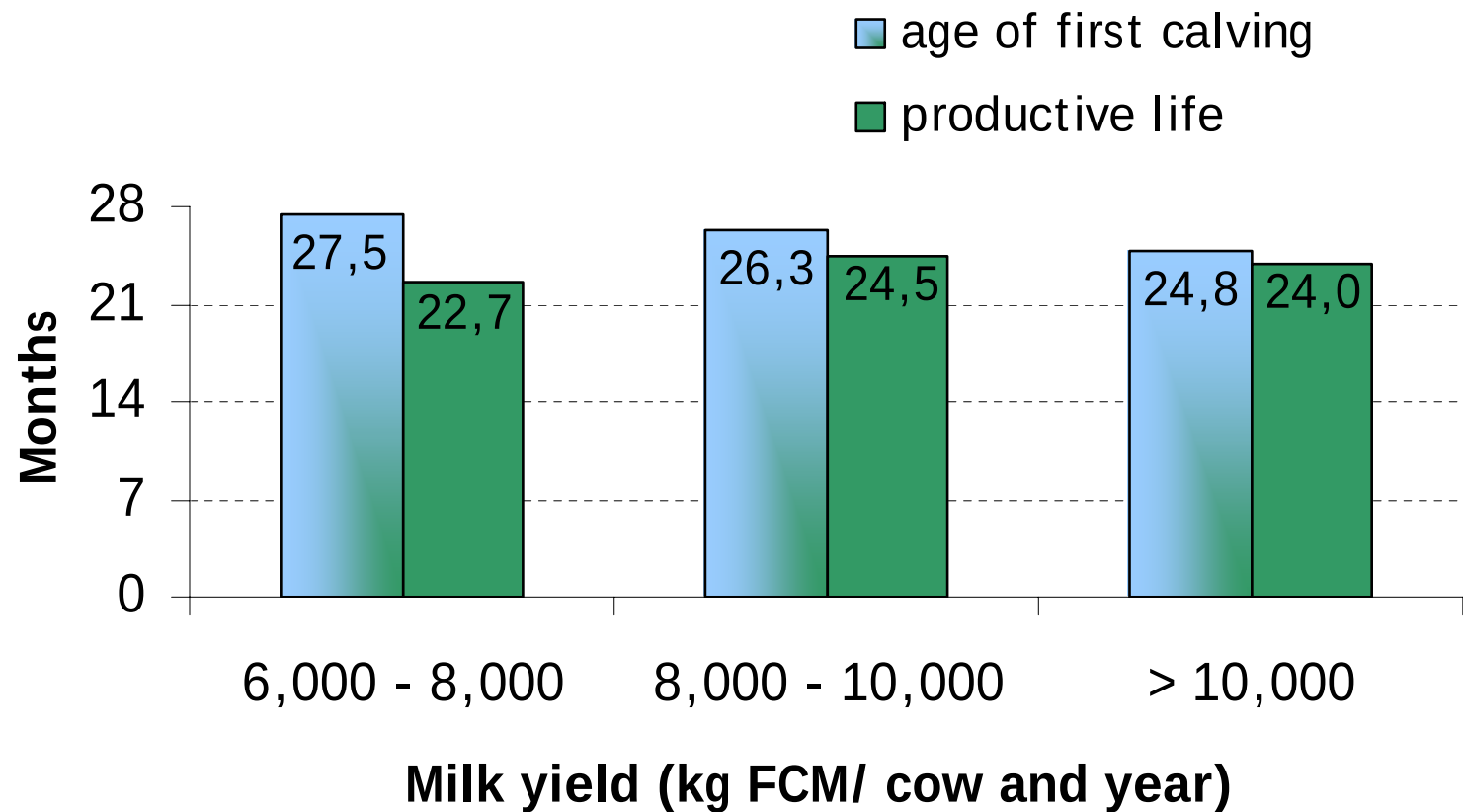
Age of first calving and productive life in the county Uckermark

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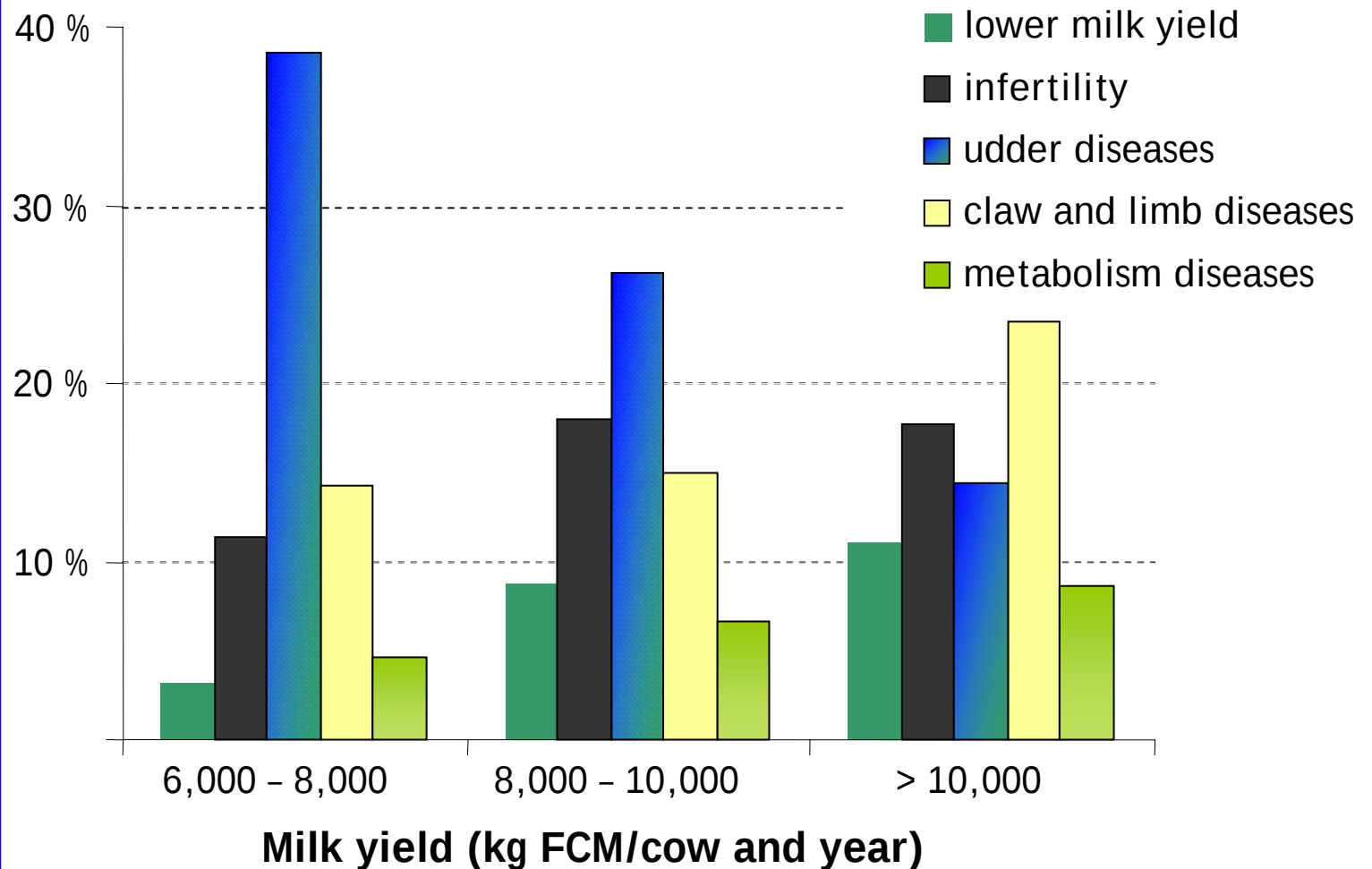
Reproduction rate in the county Uckermark

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Dublin, 08-2007

Fodder energy requirement

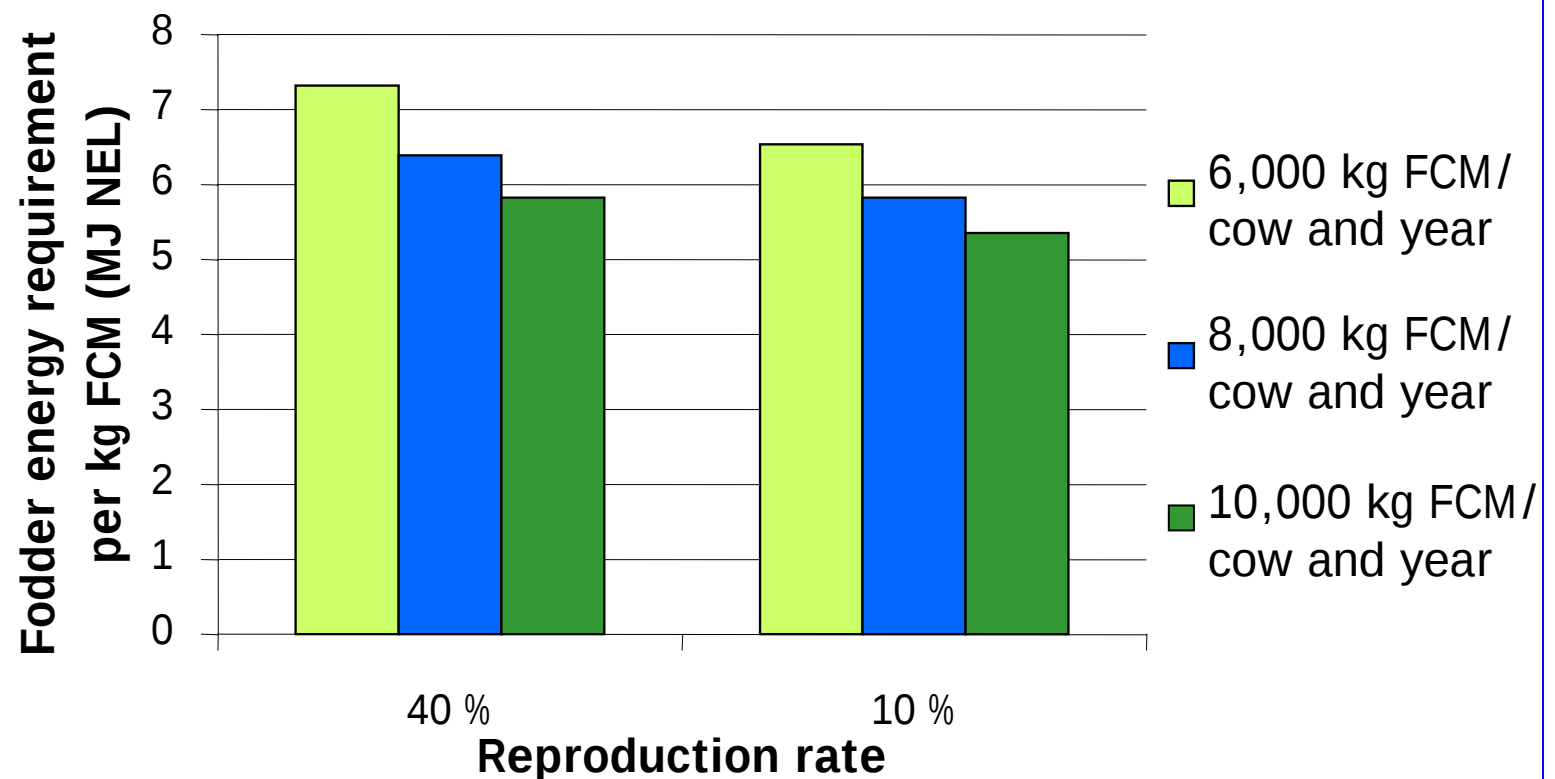
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... with an age of first calving of 24 months



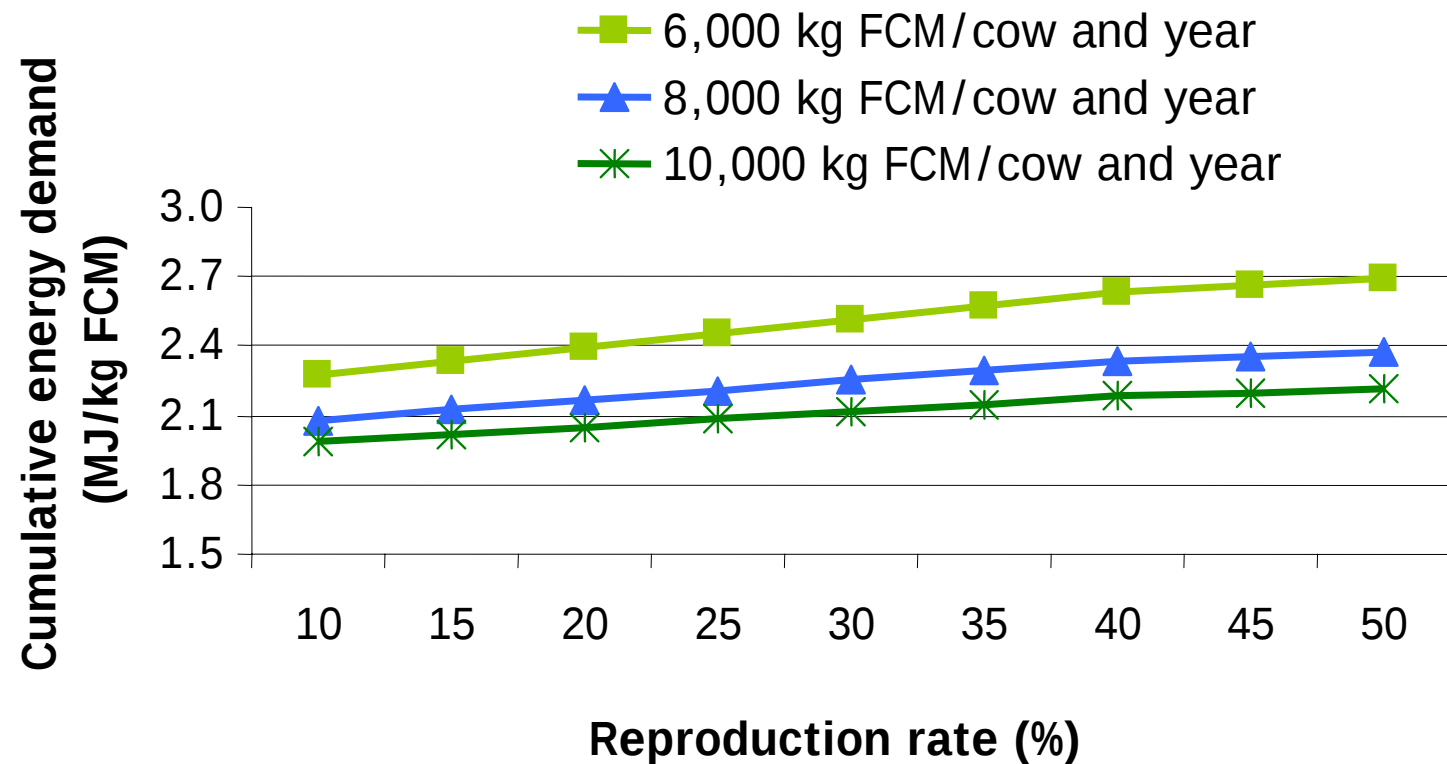
Cumulative energy demand for feed-supply

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Conclusions ...

Higher reproduction rate

- higher fodder energy requirement,
- higher cumulative energy demand for feed-supply

Total fodder energy requirement for

- 6,000 kg milk and 40 % reproduction rate
 - 8,000 kg milk and 10 % reproduction rate
- is nearly the same**

Many thanks to ...



for statistical data



for financial support

Thank you for your attention

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