

New strategies for milk recording and testing.

"Challenges in Milk Recording 2006"

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Organisation. "Registration and Milk Recording"

- · Registration for all herds in Denmark.
- · Administration of eartags.
- · Milkrecording.
- · Responsible for datacollection.
- · Responsible for data quality.
- Independent non profit organisation under Danish Cattle Federation.





Milk recording in DK.

- 96% of cows and herds in one association.
- MR owned by Danish Cattle Federation.
- · Database owned by DCF.
- · Farmer owned and ruled.
- Lab owned by the organisation (DK + Swe).
- 50 technicians (full time).
- 65 full employes in MR total.
- We organize MR for all herds in DK.

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Number of recorded herds distributed by size July 2005 in DK. | Herdsize | No. cows | No. herds | Avg. No. cows | % herds cows | |-50 | 40.289 | 1.170 | 34,4 | 8% | 22% | |-51-100 | 136.111 | 1.839 | 74,0 | 26% | 34% | |-101-200 | 283.904 | 2.140 | 132,7 | 54% | 40% | |-201-300 | 42.837 | 183 | 234,1 | 8% | 3% | |-301-400 | 11.802 | 35 | 337,2 | 2% | 1% |

	-51-100	136.111	1.839	74,0	26%	34%
	-101-200	283.904	2.140	132,7	54%	40%
	-201-300	42.837	183	234,1	8%	3%
	-301-400	11.802	35	337,2	2%	1%
	-401-500	4.755	11	432,2	1%	-
	-500-	3.326	5	665,1	1%	-
	Total	523.023	5.383	97,2	100%	100%
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Fast sampling is a demand, if the farmer still wants "our service"

- Herd size nearly doubled in 10 years.
- From 80-90 cows milked pr. hour up to 300 cows milked pr. hour
- · No delay accepted due to sampling.
- Automatic sampling, and unique identification of sample and cow.
- · Farms with more than 2 AMS milking units.



Fast and valid identification with sampling procedure?

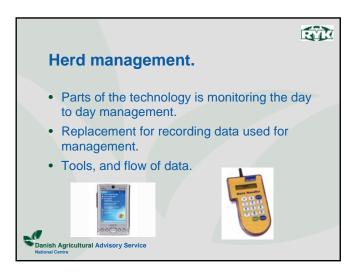
No (yes with less than 100 cows).

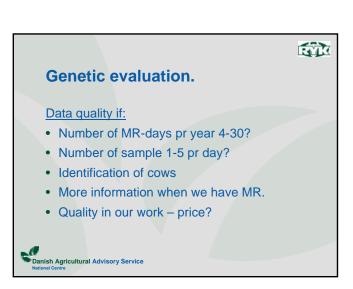


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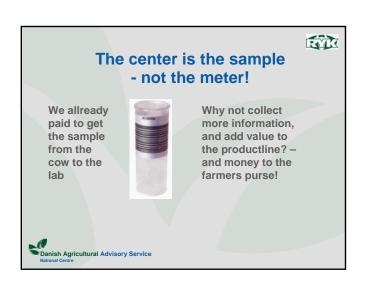












More information by the milk sample. • Fat, protein, cell-count (standard • service). Mastitis bacteria count (needs "fresh" sample). Milk urea nitrogen (implemented but low succeed pr cow). Salmonella Dublin (working, implemented as a service). • Calcium. CLA-fat.

- ParaTB (working, implemented 2006). IBR/BVD (from the bulk tank,
- not pr. cow).

 FFA (free fatty acids).
- Kasein (only interesting if the farmer earns more).
- Progesteron (Sweden?).

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Conclusion.

- Fast sampling because of large herds, and no delay accepted due to sampling.
- Identification in large herds EID?
- The center is the sample more information is possible, with unique identification of sample and cow.
- Veterinary issues more information than standard service.
- More quality in MR with more information is a future demand from dairy-farms with a future. Of course related to price and benefit.

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