

Subjective definition of traits and economic values for selection of organic sows in Denmark

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Subjective and objective organic breeding goals differ from a conventional breeding goal





Correlation between breeding goals

	EV	EV+NMV	New
Conv	0.83	0.76	0.72
EV		0.87	0.69

EV+NMV

Relative weight of a phenotypic standard deviation unit (%) **EV**¹ **EV+NMV** Conv¹ New 16.2² Gain 0-30kg 9.8 1.7 1.9 5.7 Gain 30-100 kg 8.5 12.9 6.8 4.4 Meat% 4.9 6.5 8.1 0.0 6.2 17.5 5.5 Leg strength 19.1 **Feed efficiency** 25.3 23.6 14.0 **29.3**² Litter size 22.0 12.5 41.6

Main results:

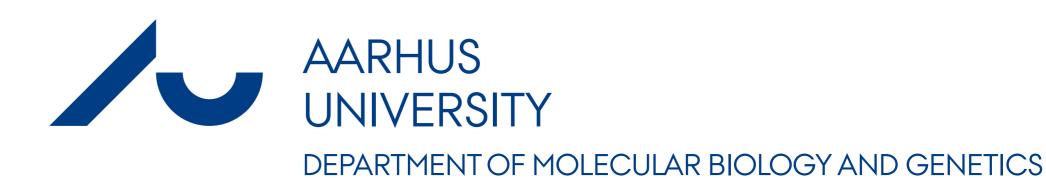
- Objective and subjective breeding goals compare reasonably well
- Subjective considerations pull organic breeding goal further away from the conventional breeding goal
- Organic pic producers put more weight on litter size than warranted by economy

Slaughter loss	4.4	12.9	2.1	0.0	
Longevity	21.0	23.7	6.6	0.0	
Mortality of liveborn	0.0	0.0	0.0	19.1	
Number of functional teats	0.0	0.0	0.0	6.2	
Days from weaning to estrus		0.0	0.0	0.4 ³	
¹ Courtesy of DanBred ² Different definition ³ Excluded in further analyses					

Maternal ability is highly prioritized in the organic breeding goals

- The new traits are difficult to record

on individuals



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