

FACTS ON SIRE EVALUATION PROCEDURES APPLIED FOR NON-PRODUCTION TRAITS

COUNTRY: NORWAY

Trait(s):	<u>REPRODUCTION</u> a) Fertility b) Calving performance <u>HEALTH</u> c) Mastitis/Ketosis <u>MILKABILITY</u> d) Milking speed e) Leakage f) Udder conformation <u>LOCOMOTION</u> g) Feet and legs <u>OTHER</u> h) Temperament i) Other body conformation traits
Breed(s):	NRF
Trait definition and unit(s) of measurement	a) Non-return rate of heifers b) Calving ease (score), stillbirths (frequency) c) Frequency of Mastitis and Ketosis d-i) Linear score
Method of measuring and collecting data	a,b) By the milk recording system and AI data c) By the "Health card" system e) By the farmers f-i) By field technicians
Time period for data inclusion	
Age groups considered	a,b) Heifers and first calving cows c) First and second lactation cows d-i) First lactation cows
Genetic parameters assumed	h^2 : a,b,h) 0.05; c) 0.03; d,g) 0.20; e) 0.10; f, i) 0.15
Sire categories evaluated	Test bulls
Environmental effects considered by pre-adjustment	No
by evaluation model	a,b) Age c-i) Age, stage of lactation
Base for age adjustment	-
Use of genetic groups and/or relationship	No
Method of evaluation	ST BLUP SM
Expression of proof	RBV
Genetic (reference) base	-
Criteria for official publication of sire proofs	a-e) More than 100 daughters f-h) More than 50 daughters

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Number of evaluations/ publications per year	1
Use in total merit index	All included in total merit index except (g)
Name, address and faxnumber of organization responsible for sire evaluation and publication	Norwegian Red Cattle Association Utstillingsplassen N-2300 Hamar, Norway Tel: 09 94 80 00 Fax:09 94 79 60
Key references on methodology applied	Fimland, E. 1984. Progeny testing procedures in Norway. IDF/EAAP Symp. on progeny testing methods in dairy cattle. Prague, sept. 14-16 IDF Doc. 183, 117-132.