THREE NEW PROOFS

HOOF HEALTH PROOFS

HOOF HEALTH and LAMENESS

3rd reason of culling in the dairy herd

(French Breeding Institute, IDELE and CNIEL survey)

If lameness during 1st lactation :
Risk of lameness in 2nd lactation x3
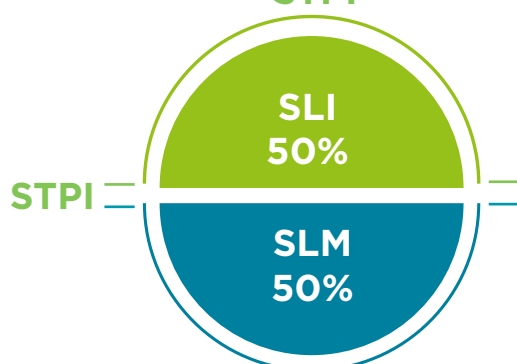**Risk of culling in 2nd lactation x1,5**

HOOF HEALTH

Since December 2023, Hoof Health proofs have been released.
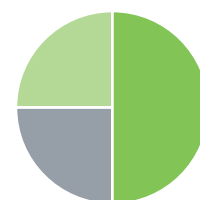There are 8 diseases identified in the Montbeliarde breed.
To select efficiently, a global synthesis and two composite synthesis are now available :

HOOF HEALTH SYNTHESIS PROOF STPI

SLI 50%

SLM 50%

STPI

Infectious Lesions Synthesis

> Digital Dermatitis (50%)..............................
> Interdigital Hyperplasia (25%)...................
> Heel Horn Erosion (25%).............................

Mechanical Injuries Synthesis

> White Line Disease (45%)...........................
> Sole Ulcer (30%)..
> Sole Hemorrhage Circumscribed Form (10%) ...
> Corkscrew Claw (10%).................................
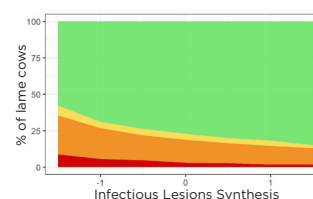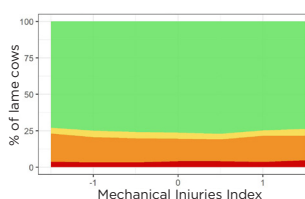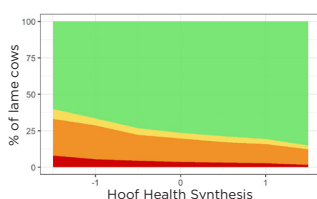> Sole Hemorrhage Diffused Form (5%)..

How to use Hoof Health proofs ?

Hoof Health Synthesis proof (STPI) = 50% Infectious lesions synt.(SLI) + 50% Mechanical injuries synt. (SLM). The Hoof Health Synthesis leads to an improvement on global hoof health selection and on the 8 diseases identified in the Montbeliade breed. But breeders can also use separately one of the two composite index synthesis to improve either mechanical injuries or infectious lesions.
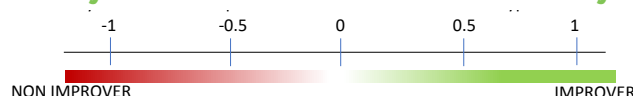
Ex : Digital Dermatitis

To select geneticaly on the criteria DER (Digital Dermatitis), we need to use the Synthesis Hoof Health Index (STPI) or on Infectious Lesions Synthesis proof (SLI)

Hoof Health proofs available exclusively to UMOTEST-COOPEX bulls only !

Based on 0 average
with +1 point as standard deviation

-1 -0.5 0 0.5 1

NON IMPROVER   IMPROVER

Heritable traits : heritability similar to other Functional traits between 4 to 9%

8-YEAR STUDY
collecting infos in France from Hooftrimmers trained to collect datas a similar way in different dairy systems (extensive, intensive, organic, grazing...)

66 000 FEMALES
observed & qualified by Hooftrimmers

18 000 MONTBELIARDE
genotyped to study the correlation between on-farm datas and genotypes