



New Normande Hoof Health - ISU

Importance of Hoof health : the 2nd pathology in herds

Hoof lesions brings severe impacts on cows such as laming :

- less locomotion ability, decrease of consumption and production.
- loss of body condition, overall health and reproductive abilities.
- health treatments : impact in organisation, time, costs, antibiotics use.

Moreover, some infectious hoof threat as Dermatitis do not have efficient treatment to protect the herd, remaining most of the time in the ground.

Hoof Health has a **heavy impact of 6000 € per 100 lactating cows.**



How Genetically Selecting for Hoof health ?

In 2019, Synetics elaborated a private Normande Hoof health index thru the innovating R&D program **Génosanté**, joining Industry, Research, Genetic Selection and Advising organisations.

After setting-up a reference population of genotypes and standardized phenotypes, Genosanté was able to deliver the 1st hoof health indexes for infectious hoof lesions (5RLI) and mechanical lesions (RLNI).



What is the New Hoof health National index STPI, SLI and SLM ?

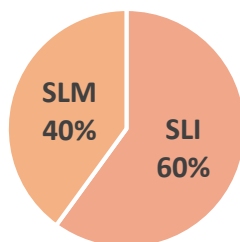
In 2024, hoof health becomes Official French proof, strengthened by the Single Step proof methodology deployed in 2023. As benefits, proof values are more differentiated and increase genetic progress.

In Normande, Hoof health index is expressed as:

STPI: Global Hoof Health:

60 % SLI
(infectious lesions)

40 % SLM
(mechanical lesions)



SLI = 60 % DER + 30% LM + 10% ER

DER = Dermatitis - LM = Interdigital Hyperplasia - ER = hell horn erosion

SLM = 40% US + 40% OLB + 0,25 NP + 5% BLC + 5% BLD

US = Sole hemorrhage – OLB = White line separation – NP Toes necrosis - BLC/BLD = Sole Hemorrhage localized/spreaded

