

# #1 HOOF HEALTH **GÉNO-SANTÉ**

HERDS  
CONTEXT

## STOP TO LAMENESS!

The arrival of hoof health in the Normande breed is an opportunity to remind the assets of this innovation, which was introduced two years ago in the Holstein breed. It allows to progress on the 2nd dairy cows pathology.



PRINCIPLE OF  
INNOVATION

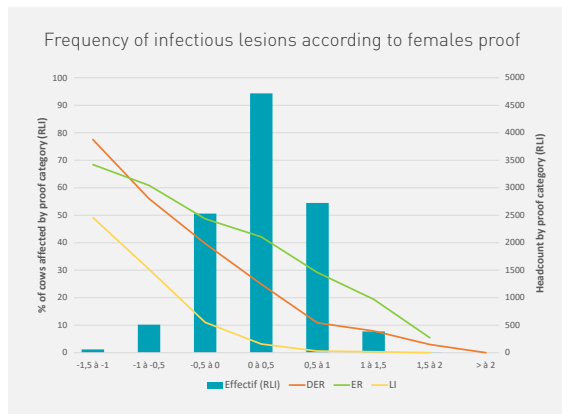
The Holstein hoof health evaluation relies on the French largest reference population with 126 772 females, of which 60 303 trimmed since 2014, 11 459 genotyped females and trimmed, and 2 482 bulls with results on progeny.

**This evaluation, made with the same team and method as the official proof run, allows to get 2 proofs for a most reliable selection effect.**

- > RLI (Resistance to Infectious Lesions) : 50% Digital Dermatitis + 25% Interdigital Hyperplasia + 25% Talon Erosion
- > RLNI (Resistance to Non-Infectious Lesions) : 40% White Line + 40% Sole Ulcer + 10% Sole Hemorrhage Circumscribed Form + 10% Sole Hemorrhage Diffused Form

### How is Hoof Health information expressed?

Focused on 0 with a standard deviation of +/-1: like the functional and morphological traits. Reliabilities (%) are between 0.40 and 0.72 depending on the level of information recorded.



BENEFITS FOR  
BREEDERS

## WHICH BENEFITS FOR BREEDERS ? -10% OF LESIONS AND LAMENESS IN 1 GENERATION

On average, 22% of females are affected by hoof health problems. The challenge is to avoid genetically negative animals in RLI and RLNI. By using improving bulls on the affected females, the expected reduction is 10% of lesions and lameness, so 500 € savings or 5€ / cow / year.



**ONEIL**   
 DG CHARLEY x RUBICON x SUDAN CRI

**RLI +1,3**

**RLNI +1,2**

« **+25% RESISTANCE TO HOOF INJURIES** »

ONEIL marks his offspring in Hoof Health. His daughters will be 25% more resistant on this criteria. It represents an additional 35€ of result thanks to the hoof health.

« Grand-dam of ONEIL : HAWAYE (SUDAN CRI) »