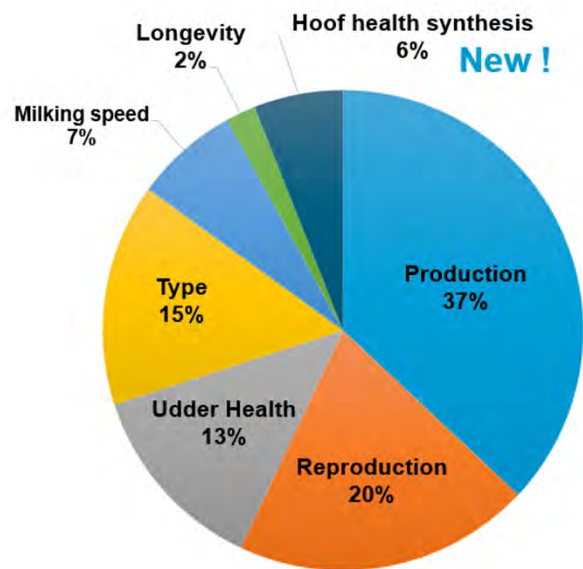




New ISU formula for Holstein in April 2024 !

The introduction of the new single-step evaluation method has made possible to adjust the genetic progress made on the various selected traits. To take these changes into account, the 2 Selection Organism have decided to revise the weight of the different traits in the ISU formula in Holstein breed.

As work on pooling and switching to the single step method for evaluating hoof health was being carried out at the same time, it was decided to take advantage of this opportunity to include these new traits in the breed selection objective.



What are the key points of this new formula?

- ❖ **Production:** Increase of 2% in the weight given to the Dairy Production synthesis in the composition of the ISU.
- ❖ **Reproduction:** The weight of the fertility synthesis (REPRO) has been reduced by 2% in the ISU. The composition of this synthetic trait has also been modified, with additional importance given to the IC1AI breeding value.
- ❖ **Synthesis Hoof Health (STPI):** New synthetic trait integrated into the ISU formula, combining infectious and non-infectious lesions, with a weight of 6%.
- ❖ **Type:** Marginal revision of the udder synthesis (UDDER), with a little more weight put on the udder cleft (UC) taken from the teat length (TL). No changes in the other type synthetic traits.
- ❖ **Udder Health (UDH):** Slight drop of 2% in the weight given to udder health in the ISU.
- ❖ **Milking Speed (MS):** Slight increase of 2% in the weight of the milking speed trait.
- ❖ **Longevity:** Decrease of 3% in the weight of this trait in the selection objective. However, the integration of Hoof health and remaining weight of Udder Health, Reproduction and Type means that longevity is still largely considered in the ISU.