

# AHA Hosts Educational Forum

*The American Hereford Association (AHA) educational forum provides details on new traits.*

by Julie White

Hereford breeders gathered Oct. 30 in Kansas City, Mo., for an educational forum to learn about new traits that will be made available for producers to utilize when making genetic selection decisions.

Heifer Calving Rate (HCR) and Sustained Cow Fertility (SCF) are the latest traits to be released as a research analysis on the AHA website *Hereford.org*. These two traits will become part of the full evaluation in the near future and will be added to the \$ Indexes. However, currently they are

solely reported as research with no correlation to any other traits and have no genomic component.

Sally Northcutt and Bill Bowman of Method Genetics LLC, who presented on the traits, commended the Association for investing in research to help bring new traits to fruition as tools for seedstock producers to use and even more importantly, for their customers' benefit.

"The exciting thing is that you, as breeders, had the foresight to begin the Whole Herd Total Performance Record (TPR™) program," Northcutt says. "Participation in that has allowed the creation of a data set that makes these tools possible. You all are to be commended for the participation in that program and how that data has become a valuable resource of your Association and resource of genetics represented by the Hereford breed in the industry today."

### Heifer Calving Rate

The Heifer Calving Rate trait was developed from the TPR database, looking at records for heifers on whether they have calved or have not calved based on recorded birth weight.

"Heifer Calving Rate is a categorical trait," Northcutt explains.

"Either they calved or they didn't calve. The challenge with these types of traits is that they tend to be lowly heritable. But the heritability estimate is very workable."

Northcutt says a feature of this trait is that it extends beyond the classic heifer pregnancy expected progeny difference (EPD) and, therefore, is a better representation of the reproductive component.

"The exciting thing is that it's more reflective of heifers actually having a calf each year," Bowman adds.

As with other EPDs, Northcutt reminds, this tool should be used to compare two sires. "One thing I like to know about EPDs is to know which direction we want to go," she says. "Are we looking for a high or low number?"

Heifer Calving Rate EPDs are reported in percentage units and, therefore, for this EPD, higher is favorable to lower (See *Performance Matters* on Page 10 for an example).

"This Heifer Calving Rate trait has a nice heritability from which to work so you are capitalizing on some of the more difficult traits to measure in our industry," Northcutt says. "This is a real good one to address and put some selection pressure to improve heifer calving rate."

She adds that a key element to this trait is that it can be directly incorporated into \$ Indexes.

Bowman says, "As we move forward with these individual tools, rather than relying on some of the basic correlations for some of the traits, you've actually got fertility measures that can directly go into those \$ Indexes. So, it can really take them up a notch and create a next level on enhancement that will be valuable."

### Sustained Cow Fertility

Heifer Calving Rate analyses provided the dataset foundation from which to work to address longevity with Sustained Cow Fertility.



Sally Northcutt, Method Genetics LLC, explains the background behind new Hereford traits.



Two new fertility traits, Heifer Calving Rate and Sustained Cow Fertility, will become part of the full genetic evaluation in the near future.

