



Announcing the CVAS

Feed Degradation Modeling System (FDMS)!

This system was developed in the last 18 months to create a more accurate system for assessing forage and feed digestibility characteristics. Elements of the FDMS system include:

- All new in vitro fiber digestibility evaluations were developed for key forage classes
- All evaluations were run on an organic matter (ash-free) basis
- Evaluations were run for 14 time points on forages selected for the calibration sets
 - 0, 2, 4, 8, 12, 16, 20, 24, 30, 36, 48, 96, 120, and 240 hours
- Selection of feeds was based on statistical evaluation of thousands of candidate samples in each forage and feed class to develop a linear distribution of spectral characteristics. This creates much improved accuracy across the full range of feed quality and maturity.
- Resulting in vitro chemistry is modeled to test the data as an integrated degradation curve.

This tested and modeled data is then used for inputs to the NIR calibration.

- The resulting NIR models for fiber digestibility are the most complete and robust for determination of fiber degradation characteristics available to the feed industry!

What does FDMS mean to you as a nutritionist?

- You will be receiving the most consistent NIR NDFD and uNDF evaluations available!
- Our Plus Option will provide NDFDom and uNDFom data based on this system for 12, 24, 30, 48, 120, and 240 hours.
- The 48-hour NDFD data is provided based on the recommendation of the new NASEM (NRC).
- Improved precision allowing for more accurate differentiation of forage and feedstuff quality.
- A calculated integrated rate will be made available.
- The rate and pool data will be more accurate than what is calculated in CNCPS and

there will be opportunity in the future to incorporate this directly into CNCPS.

- For those requesting the FDMS Option, we will provide:
 - Actual uNDF data for 14 degradation points
 - Modeled uNDF data for 14 degradation points
 - Pool sizes and rates as well as lag and theoretical uNDF
 - Statistics on the quality of the model relating actual and modeled time points
 - The ability to accurately focus on early time-point characteristics not available until now!

What is the cost?

- For those choosing the Plus Option, the cost of the improved data will be included in the Plus Option.
- For those requesting the full FDMS report, the cost will be \$10.00 as part of a report with the Plus Option. For those requesting the report as a “stand-alone” option this cost is \$15.00 + a \$6.00 processing fee.

Go to www.foragelab.com/FDMS for more information about this analytical opportunity!