



## Council on Dairy Cattle Breeding Response to Data Request

**Applicant:** *Kristan Reed (1); Victor Cabrera (2); Manfei Li (2)*

**Organization:** *(1) USDA-ARS Dairy Forage Research Center; (2) UW Madison*

**Form received:** *October 6, 2017*

**Data requested:** *Collaborator's data*

**Purpose of proposal:** *Academic*

**Title of proposal:** *Breed Specific Lactation Curves*

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**CDCB Response to the proposal:** *The proposal is pending review - further documentation is required before a decision is made.*

**CDCB Assessment of the proposal:** *The main objective of the project is to update the lactation curves used in the Integrated Farm Systems Model (IFSM). The investigators will fit non-linear mixed models to test-day milk records in order to update the parameters of the IFSM, as well as assess within breed variation in lactation curve parameters. The duration of the project is expected to be from October 2017 through February 2018. Expected deliverables include breed-specific models of lactation production and composition; assessment of current within breed variations in lactation curve shapes; updated whole farm systems model that reflects current levels of milk production for different breeds.*

*To accomplish this, the investigators are requesting test-day milk production and component contents, body weight, age, DIM, and lactation number for individual animal lactations (Format 4 data). Preferably request data from herds that have either predominantly Holstein or Jersey, as well as herds that have both Holstein and Jersey.*

**CDCB Request for further information:** *This request involves access to DRPC owned data, therefore MLAs between the CDCB, the proponent and all four DRPC are required. CDCB will contact the DRPCs to facilitate this process.*

**CDCB details to deliver the data requested:** *N/A at the moment. This proposal is pending review after all MLAs have been signed by all parties.*