Emily Vandenberg

Dairy Scientist

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SUMMARY

Dairy scientist with 6 years of applied research in lactation physiology, milk quality and transition cow health. Plans herd trials on commercial and research dairies, manages data from Dairy Comp 305 and DHIA records, and reports results in SAS to producers, herd veterinarians and industry partners in practical terms they can act on.

SKILLS

Lactation Physiology • Milk Quality • Somatic Cell Count • Transition Cow Health • Herd Health • Dairy Comp 305
DHIA Records • SAS • Experimental Design • Body Condition Scoring

EXPERIENCE

Dairy Scientist 01/2022 - Present

Driftless Dairy Research Institute Madison, WI

Applied dairy research group working with commercial herds across Wisconsin.

- Design and manage lactation trials on herds of up to **2,400** cows, testing feed additives, milking routines and dry-off methods.
- Analyze milk yield, components and somatic cell count data in SAS, with 4 abstracts accepted at national dairy science meetings.
- Develop milk quality protocols with 11 partner farms, lowering average bulk tank somatic cell count from 210,000 to 145,000.
- Train herd staff at 11 farms on sampling, body condition scoring and record entry to keep experimental design on track.

Herd Research Coordinator 06/2020 - 12/2021

Kettle Moraine Dairy Fond du Lac, WI

Commercial dairy hosting university and industry field trials.

- Collected milk, blood and rumen samples from **300** fresh cows for a transition cow health study.
- Maintained Dairy Comp 305 and DHIA records for a 1,800-cow herd, catching entry errors before monthly reports.
- Tracked herd health events and treatments with the herd veterinarian, cutting ketosis cases by 22%.
- Scored body condition and locomotion on 450 cows each month, flagging lame cows for the hoof trimmer within 48 hours.

EDUCATION

Master of Science (M.S.) 05/2020

University of Wisconsin-Madison Madison, WI

Dairy Science

CERTIFICATES

Professional Animal Scientist (PAS), Dairy Science

American Registry of Professional Animal Scientists

08/2021

SAS Certified Specialist: Base Programming

SAS Institute

03/2020