

NMSU DAIRY EXTENSION PROGRAM

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Dairy Extension

Dairy Workforce Development and Training Programs



- Training modules on dairy safety awareness and animal handling
- Modules available on mobile devices in English, Spanish, & K'iche
- One third of New Mexico dairy workforce trained
- Idaho Dairymen's Association (IDA) adopted program (2017)
- NMPF created Workforce Development Taskforce (2018)
- Taskforce developed Dairy Safety Reference Manual (2019)
- Feeds & Feeding released on mobile devices for training (2020)
- New modules: calf raising, cull cow care, currently being developed

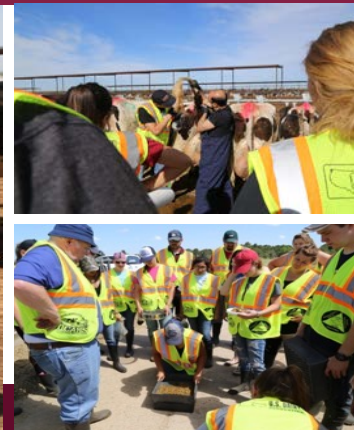
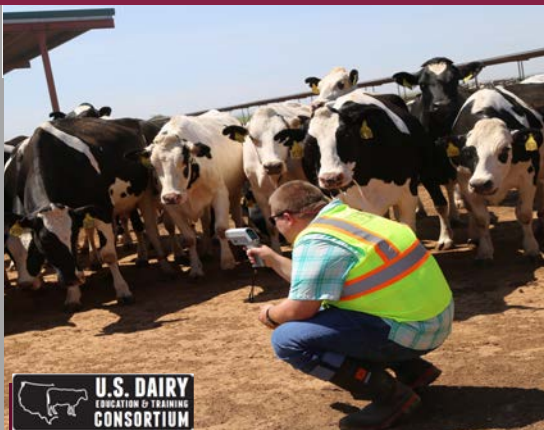
Development & Implementation of a dairy workforce safety awareness program

Herd size of New Mexico dairies is more than ten times the U.S. average. Effective training of current and future employees is imperative. Limited educational opportunities exist. Program goals: raise safety awareness and improve job performance. Program impact: provided safety awareness training to about one-third of the NM dairy workforce. Approximately 3,500 employees have directly been trained on dairy safety and animal handling. Training is provided in a preferred language available (English, Spanish, or K'iche). Training effectiveness is key evaluation metric. Idaho Dairymen's Association (IDA) adopted the program with significant processor and co-op support. Due to processor and customer demands, National Milk Producers Federation (NMPF) created a Workforce Development Task Force (2017), which developed a Dairy Safety Reference Manual (lead authors Doupbrate and Hagevoort) in English and Spanish (2019). NMSU's dairy workforce development program is now considered a leading example, with program details being utilized on some of the largest US dairy operations.

U.S. Dairy Education and Training Consortium

Teaching and training the next generation of dairy professionals

Despite declining resources to teach young dairy professionals modern dairy management, NMSU Dairy Extension leads a consortium of universities to provide practical dairy teaching in a 6-week intensive summer program. **Program impact:** in 12-yrs. 528 students from 52 universities. Impact: 4 out of 5 students employed in agriculture, 2 out of 3 students employed in dairy industry, 1 out of 3 students working on or managing a dairy. Program received 2017 Dairy Sustainability Award in Community Partnerships and 2019 Western Extension Directors Association award of Excellence (Multistate Program). <https://usdetc.tamu.edu>



Dairy Sustainability Research: water, soil, cropping & nutrient management, renewable energy

- Dairy Sustainability research projects determining optimal dairy, farming and nutrient management practices across the Western U.S. helpful to producers to move towards the industry wide 2050 Net Zero Initiative.
- Identification of what issues & topics are important to dairy middle managers and frontline supervisors to be able to develop a targeted middle managers curriculum.
- Collaborative research identifying shedding patterns of specific antimicrobial resistant salmonella strains in various stages of lactation.
- Applied research in support of dairy producers affected by the recent discovery of PFAS chemicals in groundwater channels originating from Cannon AFB, Clovis NM.
- Dairy Sustainability research projects determining optimal dairy, farming and nutrient management practices across the Western U.S. helpful to producers to move towards the industry wide 2050 Net Zero Initiative.



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