

Producer Perspectives of Automatic Milking Systems

Dr. Daniela Bruno

University of California Cooperative Extension

Fresno, Madera & Kings Counties

Research team: Dr. Fernanda Ferreira (UC Davis), Dr. Daniela Bruno (UCANR), Dr. Marcia Endres (University of Minnesota), Dr. Camila Lage (Cornell University) Funding: California Dairy Research Foundation

Background



How do large dairies that transitioned to AMS perceive the benefits?

Survey to describe the perceptions of US producers on the implementation of AMS in dairies with \geq 7 AMS units installed

Follow-up visits with some farms to better explore the answers



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Survey questions

- Farm and farmer profile
 - Barn, bedding, housing
- Installation and expansion plans
 - Why AMS?
 - Conventional
 - Other automated technology
 - Maintenance
- Transition process
 - Employee training
 - Cow training
 - Bar construction
 - Flow
 - Feeding
- Health and reproduction performance
- Labor





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Survey Results



Demographics

RESPONDENT ROLE



■ Full owner ■ Part owner ■ Herd manager ■ Other

AVERAGE AGE OF RESPONDENTS



■under 35 years old ■ 36-45 ■ 46-56 ■ Over 56

Cows under AMS: 240 - 2,200 AMS units: 7-36 Time since installation: 9mo - >15 yrs

BREED

- 100% Holstein
- Holstein + Crossbred Holstein Jersey
- Holstein + Jersey
- Holstein + Jersey + Crossbred
- Holstein + Brown Swiss
- Jersey



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Facility







Reasons for transitioning AMS



Implementation





AMS Expansion

HERD EXPANSION







PLAN TO HAVE 100% OF YOUR COWS UNDER AMS





Previous milking parlor



Labor



Probably yes Definitely yes

Proportion labor reduction



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Employee Adaptation

Employee adaptation process to new management system



Milk Quality, Milk Production and Animal Health

Milk quality and Milk Production



Clinical Mastitis

Mastitis management improvement











Reproductive management



34% use genomic testing 33% use to improve traits related to AMS efficiency

Culling rate



Cow comfort



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Should other farmers switch to AMS?





*Depends on expectations, short- and long-term goals and mindset *Depends on relationship and proximity with dealer **Cow** should be the focus of the transition - *"I could tell in advance the farmers that would not adapt to AMS"*



Take home messages

- AMS have met producers' expectations
 - improving cow production and welfare
 - reducing labor
- The economic aspect of the investment is not clear
 - relatively recent transition
 - Needs further investigation



Dairy Tech News











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dfbruno@ucanr.edu

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AMS project, was the conference chairperson.

Thank you!!!