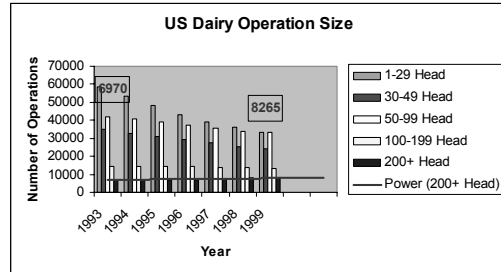


Reproductive Management System

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US Size of Operations



Labor Source



- The US labor force available for on farm labor continues to decrease
- RMS Representatives provide expert skillsets to their dairies 365 days per year

RMS Coverage

- Large Herd Emphasis
- 50-60% market share in Western US
- Cloned to expansion markets of Midwest
- Experience, Knowledge, and Pregnant cows



WHAT is RMS?



- RMS is a systems approach to management of a dairy's reproductive program.
- RMS ensures a consistent supply of pregnant animals to the production cycle....
- Pregnant animals are fundamental to the long term success of the operation



RMS offers:

- Labor Source
- Teamwork
- Consistency
- Accountability
- Genetic Advantages
- Technical Services



TEAMWORK



- Specified goals and programs are agreed upon by the entire TEAM
- Assessment of bottlenecks and solutions



CONSISTENCY



- Management of labor is simplified
- Standardized procedures result in consistent results
- RMS representative is responsible for implementation of reproductive program



ACCOUNTABILITY

- Consistent data input and interpretation of reports
- RMS monitoring allows trends to be identified and necessary actions taken



GENETIC ADVANTAGE

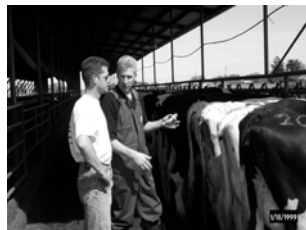


- RMS provides more animals of a higher genetic value to be born each year.
- Increase AI vs Natural Service
- Reduction of Inbreeding



TECHNICAL SERVICES

- Regional data merge sets allow herd comparisons
- On site visits and troubleshooting
- Consulting Services
- Field based Research



Vet Relationships

- RMS Team member
- Delivery of RMS Services
- ABS Representative
- Udder Health products
- Consulting Network



RMS Training

- Identify Target herds with DSM/DM
- In field training with designated trainers to pre-qualify
- Classroom training in Records Analysis, Nutrition, Reproduction, and Large Herd Decisions.
- Testing and certification



Why RMS “The Dairyman’s View”

- Consistency of Delivery
- Best way for many large herds to heat detect
- Shift responsibility from manager to technician
- Additional personal for a minimal cost
- Qualified people hard to find
- Lack of Pregnancy production
- Team player



Veterinarian Perspective

- Communication
 - implementing programs (marking system)
 - goals and objectives
 - Herdcheck results (chalk talk)
- Tag Teaming to address issues on farm
- Improved Implementation of the reproductive program



Breeding Schedules

- Can we detect and breed once daily and get comparable results?
- The answer is YES!



Research:

OLD MEASURE

Trimberger and Davis, 1943 is basis for the am/pm rule (44% vs 82%)

NEW MEASURE

• Nebel, 1994	n	% Non return
– am/pm	3659	60.1
– once/day	3581	60.6
• Graves, 1997		
– am/pm	172	60.5
– once/day	165	57.6



RMS* Logistics

- Animal Health
- Management Style (Innovators, early adopters)
- Facilities (headlocks, layout, footing, etc.)
- Milking time
- Feeding schedule
- Grouping
- Records
- Management TEAM
- Start small.... (Speed and Efficiency later....)



Reproductive Management Systems

Chalk Talk

- BLUE---FRESH COWS
- ORANGE---OPEN
- GREEN---PREGNANT and spray paint "P" on rump
- OVSYNCH---Cross over hooks each time shot and then date to be bred when Lut
- LUTALYSE--L on Rump
- DIRTY COW given LUT--C on rump
- CLOSE TO HEAT--Green on lumbar spine
- BREED--Date on Rump when chalked



Cows And/or Heifers

- Nutritionally sound
- Healthy
- Fertile
- Heifers (adequate weight and age)
- Cycling and expressing heat
- Clean
- Grouped appropriately
- East to read ID

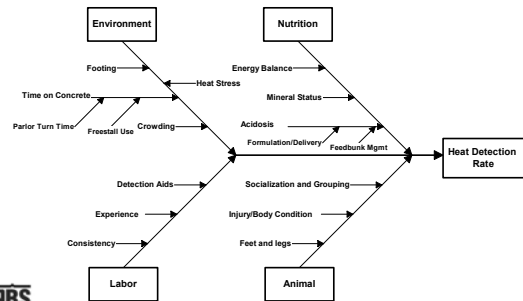


Facilities

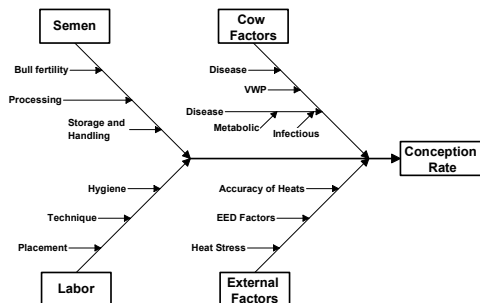
- Headlocks
- Adequate footing
- Not overcrowded
- Cross gates
- Good cow comfort
- Adequate feed bunk space
- Good ventilation
- Good water supply
- Clean



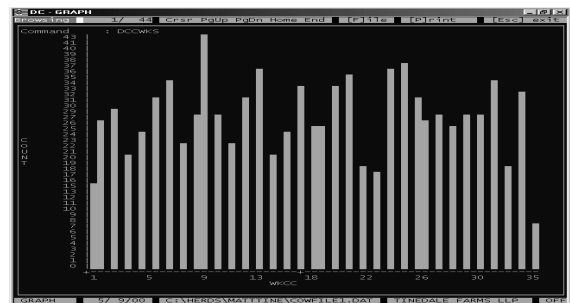
Heat Detection Flowchart



Conception Rate Flowchart



Pregnancy Inventory by week



Summary

- Are we getting semen in cows in a specified time? (detection)
- Are animals cycling normally @ VWP (cyclicality)
- Are we getting semen in cows that are in heat? (accuracy)
- Are cows getting pregnant in a specified time (pregnancy risk rate)
- Is the rate of animals pregnant per time to sustain the production cycle? (hard count)

