



- Forages
- **E**conomics
- **E**nvironment
- Decision Support

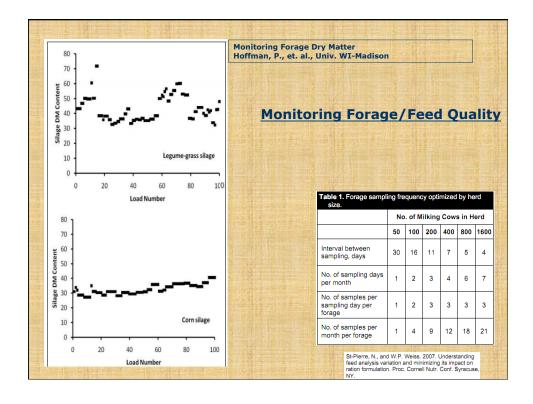


FORAGES



- Quality Forages Priority #1
 - · Producing/purchasing high quality forage
 - Managing/minimizing dry matter (DM) losses from field to feedbunk
 - Allocating forage and other feed nutrients to optimize herd performance (production and health)
 - 60-70% dry matter intakes as high quality forage results in high production efficiencies

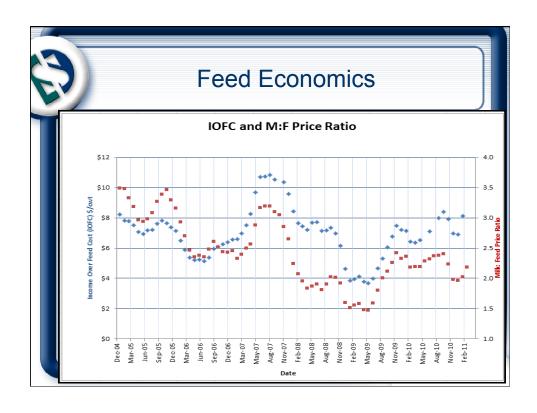


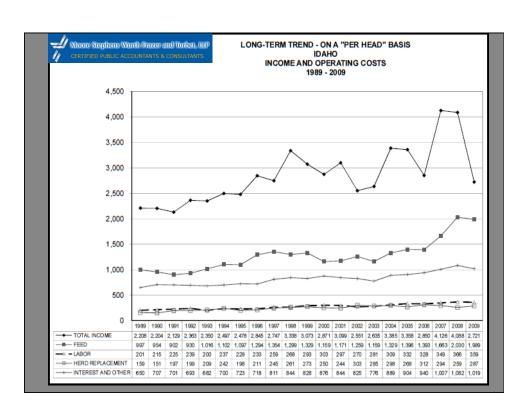


Feed Economics

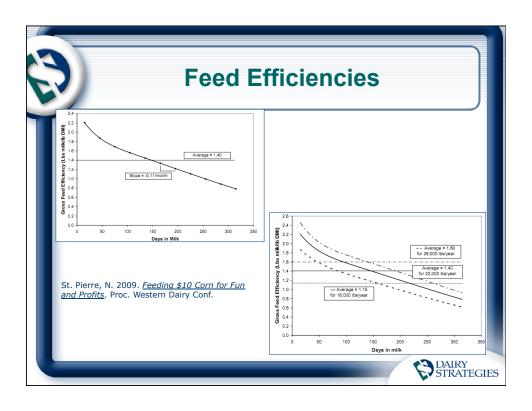
- · Routinely monitoring cost and returns
- Minimize shrink
- Optimizing feed efficiencies (high quality forages + commodities/by-products/concentrates and additives)
 - Grouping strategies
 - · Replacement management/acquisition strategies, herd turnover
- Routine evaluation of alternative feeds and formulations
 - Cropping and purchase decisions
- · Maintain adequate working capital

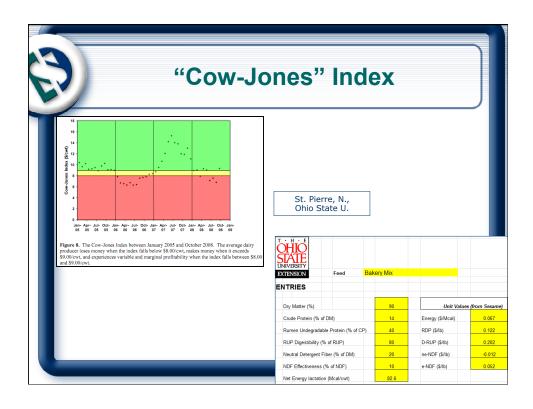


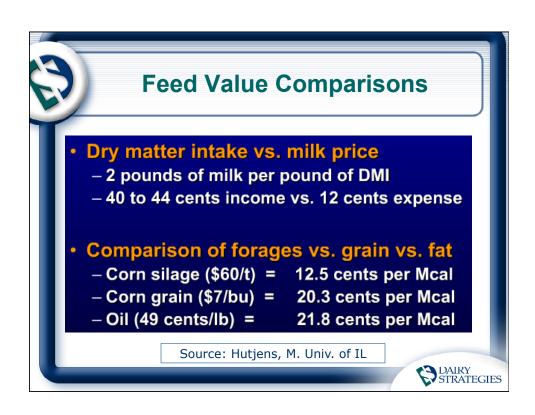




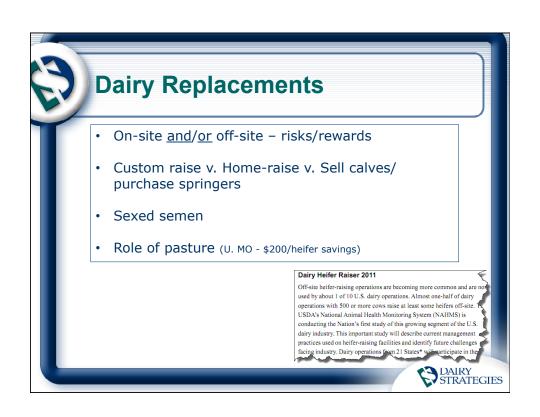
Feed Economics • Minimize shrink (+ 15-20+% increase in feed cost) • Forages (field, transport, packing, covering, feeding, refusals) • Commodities/grains/additives (storage, mixing, birds/rodents, refusals)

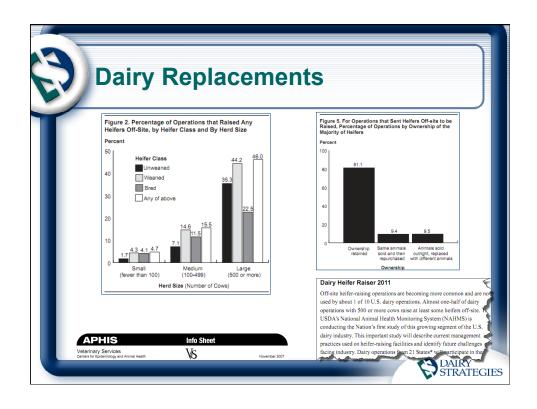


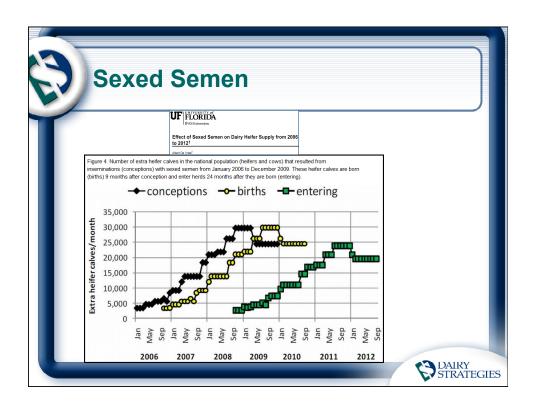














Feed Economics Access to Capital

- Access to working capital
 - · Feed production and/or acquisition
 - · Herd replacements
- Move by some major dairy lenders to lower LTV (loan-to-value) lending standards
 - Impact of combined feed/herd LOC at:
 - 75% LTV versus 60-65% LTV
 - · Decline in asset value of herd

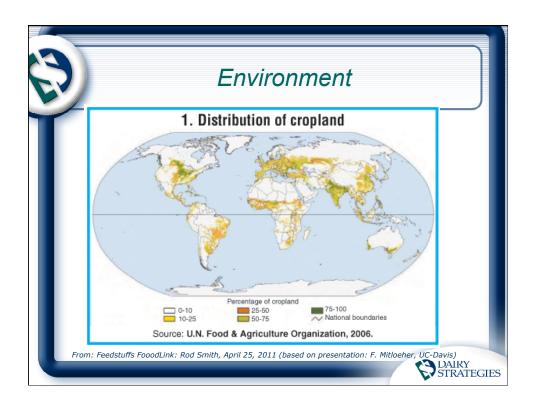


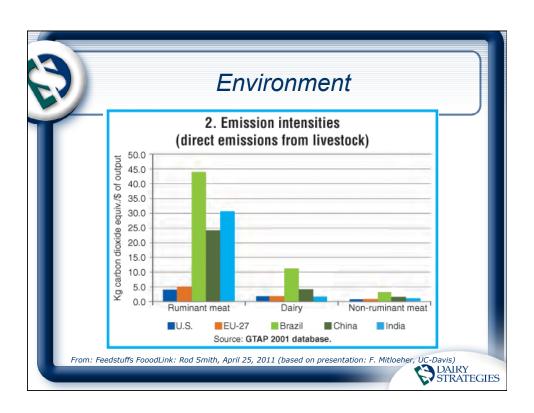


Feed and the Environment

- Cropping and/or forage acquisition strategy
- Manure nutrient management
 - Dust, odor, flies, run-off, nutrient accumulation (P)
- Forage/Feed production agreements
- Carbon footprint (and other measures) and Image













- Monitoring costs and returns as "real-time" as possible
- Maintain flexibility with feed purchase decisions
- Develop overall business risk management strategy with a focus on margins
 - Cash forward contracts, futures, options, LGMinsurance, etc.
- Professional nutritionist support



Decision Support Feed Management

- Tools (some examples):
 - Feed Value Comparison applications:
 - FEEDVAL (UW)
 - SESAME (OSU)
 - Feed inventory management
 - FeedWatch (Valley Ag Software)
 - EZ-Feed (DHI-Provo)
 - TMR-Tracker (Digi-Star)



