To provide optimum calf environment

The research speaks clearly

The Moving Floor Calfboxes have gone through tests at the Swedish university of Agriculture in Uppsala, Wageningen in Holland, Raumberg Gumpenstein in Austria and the HINT in Norway. Our own experience together with general research on calves have led us to draw following conslusion on what is optimum environment for calves;



Sources: *Ken Nordlund, Wisconsin university, **Renée Båge, SLU, ***Holm&Laue Calf Manual

INFECTION PRES-SURE At health disorders like diarrhea calf medicine cannot replace hygiene. Among the recommendations are: keep the calves in small groups, keep them dry and clean. (SLU, Silverlås, 2013)

GROWTH PHASE The calf's main growth phase is 0-3 months, after 3 months of age it reaches puberty and the calf must then grow at a slower pace to let the udder develop well. Since weight and body condition largely determines sexual maturity the calf's growth in the first three months of life most significantly affect insemination age **.

INCREASED GROWTH By optimizing the calf's

environment, we now see

how calves on Moving

Floor grow 20-30% faster

than calves in conventio-

nal systems. The calves

(Raumberg Gumpenstein 2013)

HEALTHY CALVES Continuous cleaning 10-15 times/day drastically reduces bacterial growth and reduce the infection pressure. Because the manure is transported out of the barns within two hours, the ammonia content in the air is reduced by up to 90%. The automatic cleaning can ensure clean and dry animals, which are also generally healthy animals. (SLU 2006, Lövsta 2002)

BACTERIA Bacterial growth occurs exponentially over time. New bedding on top of old bedding provides just a cleanly impression. A deep straw beeding can contain 10 billion bacteria ***.

AMMONIA A deep straw bedding absorbs urine and manure. When the calf is protected from wind drafts with a hutch, a micro-climate forms in the hutch with a substantial ammonia emission that may potentially affect the calf's airways *.

Big difference between the systems

To provide optimum calf environment

Deep straw bedding



- Often visibly clean but actually damp and unclean environment

· Bed stuffed with bacteria

- Labor intensive system

Fresh air, but in the hutch forms a microclimate with ammonia

Moving Floor



+ Clean and dry environment

+ Reduction of bacteria and ammonia by 90%

+ Substantial labor savings

+ Increased growth rate on calf





96%

of calves with diarrhea also get respiratory problems. (Svensson, 2003, SLU)

200€

costs a diarrhea in direct costs

... and gives as a cow a reduced milk production due to illness during childhood up to



(Lührmann, 2009, Chamber of Agriculture Lower Saxony)