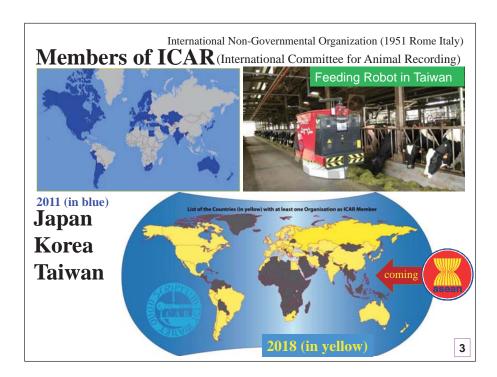


TAILDAN Touch Your Heart

越南與台灣乳業發展論壇

Dairy Industry Development -Vietnam and Taiwan 2018/09/12







APRIL 10, 2018

Where Will The Dairy Industry Be in 50 Years?

NEWS | BY: JIM DICKRELL

By 2067, the United Nations predicts world population will grow by 3 billion to **10.5 billion** people. Most of these folks will be added in Asia and Africa. Not only will population increase, but dairy consumption will increase even more as incomes rise and the demand for diets higher in protein grows. All totaled, **milk** production will have to grow **13.2 trillion pounds**. For that to happen, the average dairy cow in the world will have to double its annual milk production.



Dairy farmers in 2067 will meet the world's needs for essential nutrients by adopting technologies and practices that provide improved cow health and longevity, profitable dairy farms, and sustainable agriculture.

Integrated sensors, robotics, and automation will replace much of the manual labor on farms.

Journal of
Dairy Science*

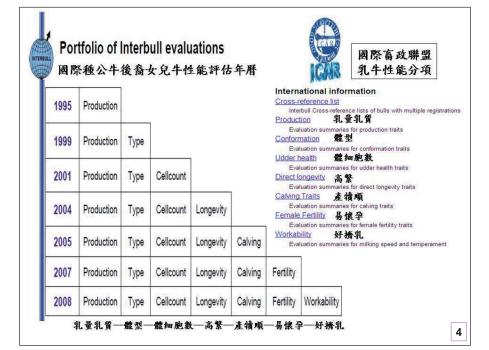
Official lournal of the American Dairy Science Association

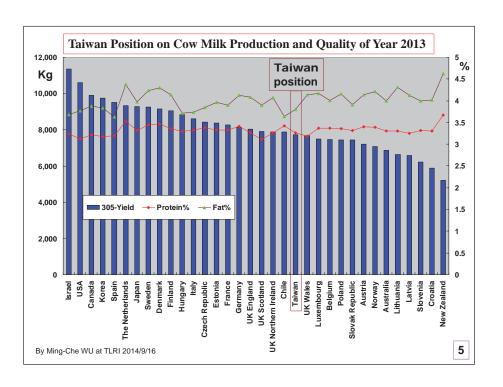
May 2018 Volume 101, Issue 5, Pages 3722-3741

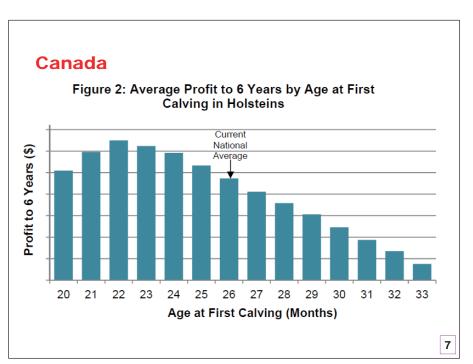
Invited review: Learning from the future—A vision for dairy farms and cows in 2067

J.H. Britter M. R.A. Cushman, C.D. Dechow, H. Dobson, P. Humblot, M.F. Hutjens, G.A. Jones, P.S. Ruegg,

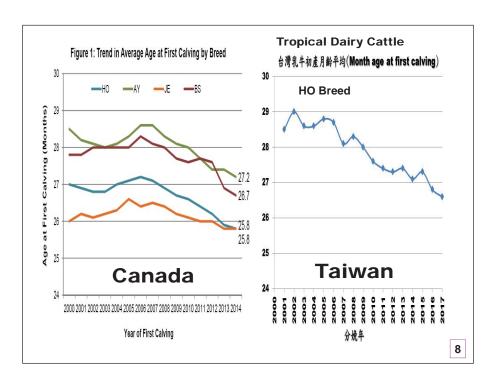
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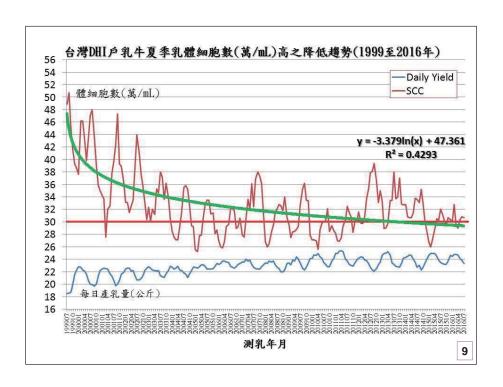


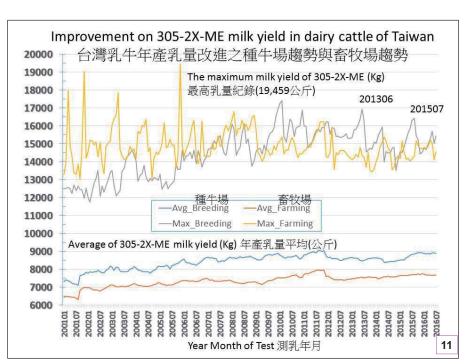


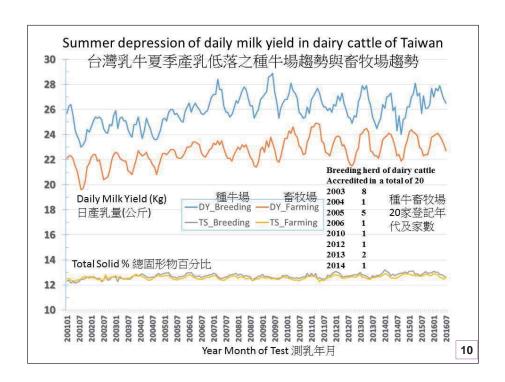


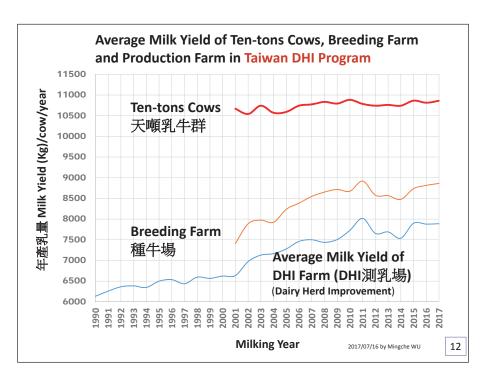


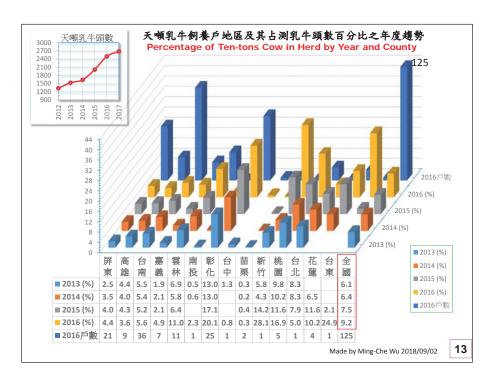


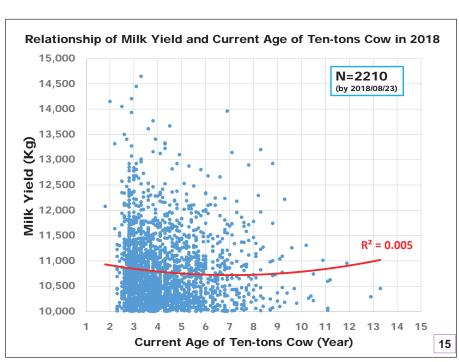


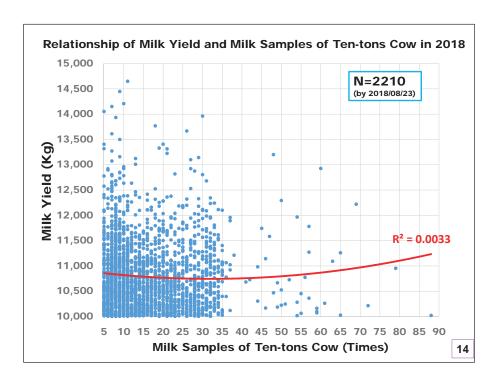


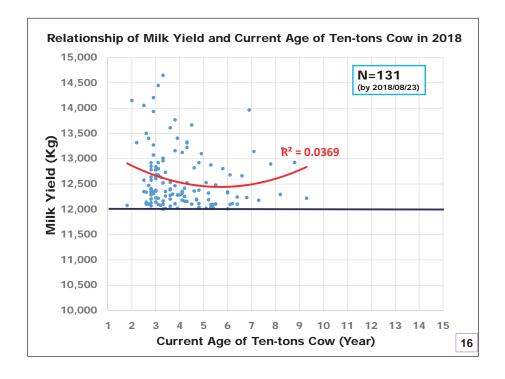


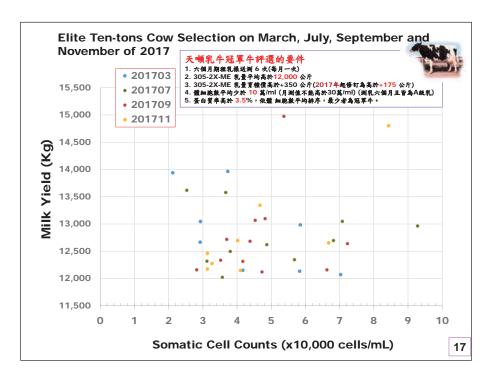














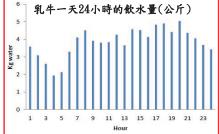
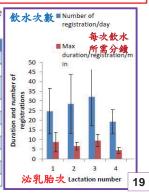
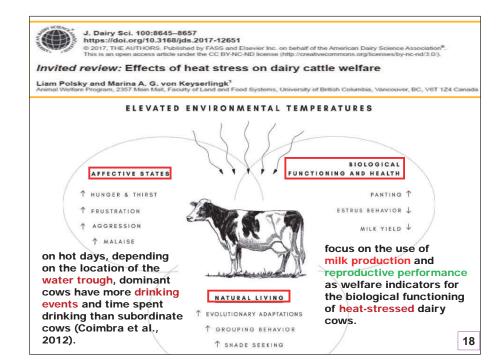


Table 3. Live weight, milk yield and intake of water, dry matter and feed constituents for the 37 cows used in the final evaluation (36 cows with milk yield)

Item	Mean	Standard deviation	Range
Live weight, kg	649	48.5	534 - 806
Milk yield, kg/d 乳量	38.3	7.4	24.0 - 55.3
Dry matter intake, kg/d 飲水量	23.6	4.4	9.7 - 31.9
Free water intake, kg/d	93.5	20.7	23.9 - 130.4
Total water intake, kg/d	123.8	24.4	46.2 - 171.7
Free water/ kg milk	2.5	0.4	1.8 - 3.4
Tot water/kg milk	3.3	0.5	2.4 - 4.5
K intake, g/d	525	91.3	330 - 727
Na intake, g/d	133	26.4	63 - 182
N intake, g/d	713	137	282-952





https://www.dairyherd.com/article/new-heat-tolerant-holstein-genetics-available

Dairy Herd

New, Heat-tolerant Holstein Genetics Available

Maureen Hanson March 10, 2018 04:52 PM



University of Florida

pjhansen@ufl.edu (352)392-5590 http://www.animal.ufl.edu/hansen/

- The SLICK haplotype is a dominant trait that produces cattle with a short, sleek hair coat. The trait is caused by a mutation in the prolactin receptor gene.
- The summer reduction in milk production was less severe in animals with the SLICK trait.
- Slick-Gator Blanco (551HO03574)
- ➤ Slick-Gator Lone Ranger (HOUSA000144046164)

Animals possessing a haplotype for a short, sleek hair coat in the Holstein breed have been developed by the University of Florida. (University of Florida)

20