

TIES Seminar, Decision Support of Ruminant Livestock Systems in the Gulf Region of México

The spring 2006 seminar comprises nine sessions aimed at literature review and research proposal development. The first set of presentations is devoted to critical reviews of selected literature. Two or more key papers are to be rigorously evaluated and tied to the presenter's target research objective(s). All participants will be provided copies of the papers to be reviewed. The second set of presentations focuses on research proposals, each with an appropriate synthesis of literature and methodology. Each presentation is supported by a Powerpoint file, which will be put onto the TIES Research Seminar Web page.

<u>Date</u>	<u>Speaker, topic and references</u>
2-15	Organizational meeting (R. W. Blake) and MS thesis progress report by Kotaro Baba. <i>Evaluation of beef cow-calf nutrition in Yucatan, Mexico.</i>
3-01	Fabio Monteiro de Rezende. <i>Use of quantitative trait loci in dairy sire selection: Genetic considerations for Brazil.</i> Literature reviewed: Ashwell, M. S., D. W. Heyen, T. S. Sonstegard, C. P. Van Tassell, Y. Da, P. M. Van Raden, M. Ron, J. I. Weller, and H. A. Lewin. 2004. Detection of quantitative trait loci affecting milk production, health, and reproductive traits in Holstein Cattle. <i>J. Dairy Sci.</i> 87:468-475. Costa, C. N., R. W. Blake, E. J. Pollak, P. A. Oltenacu, R. L. Quaas, and S. R. Searle. 2000. Genetic analysis of Holstein cattle populations in Brazil and the United States. <i>J. Dairy Sci.</i> 83:2963-2974.
3-08	Victor Absalón. <i>Seasonal considerations of cattle nutrition management in tropical Latin America.</i> Literature reviewed: Rueda, B.F., R.W. Blake, C. F. Nicholson, D.G. Fox, L.O. Tedeschi, A.N. Pell, E.C.M. Fernandez, J.F. Valentim, and J.C. Carneiro. 2003. Production and economic potentials of cattle in pasture-based systems of the western Amazon region of Brazil. <i>J. Anim. Sci.</i> 81:2923-2937

Shelton, H.M. 2004. Importance of tree resources for dry season feeding and the impact of productivity of livestock farms. Pages 158-174 in Mannetje et al. (eds). The importance of silvopastoral systems in rural livelihoods to provide ecosystem services. Proc. 2nd Inter. Symp. Silvopastoral Syst. Yucatan, Mexico. Pp. 158-174.

3-15 Luis Nabté. [Important growth concepts for animal production.](#)

Literature reviewed:

Diaz, M. C., M. E. Van Amburgh, J. M. Smith, J. M. Kelsey, and E. L. Hutten. 2001. Composition of growth of Holstein calves fed milk replacer from birth to 105-kilogram body weight. *J. Dairy Sci.* 84:830–842.

Jenkins, T. G., and C. L. Ferrell. 1997. Changes in proportions of empty body depots and constituents for nine breeds of cattle under various feed availabilities. *J. Anim. Sci.* 75:95–104.

Pineda, J., J.M. Palma, G.F.W. Haenlein, M.A. Galina. 1998. Fattening of Pelibuey hair sheep and crossbreds (Rambouillet-Dorset × Pelibuey) in the Mexican tropics. *Small Ruminant Research.* 27:263–266.

4-05 Kotaro Baba. [Energy balance changes in cows and matching calving seasons with forage availability.](#)

Literature reviewed:

Reynoso-Campos.O., D.G. Fox, R.W. Blake, M.C. Barry, L.O. Tedeschi, C.F. Nicholson, H.M. Kaiser, P.A. Oltenacu. 2004. Predicting nutritional requirements and lactation performance of dual-purpose cows using a dynamic model. *Agric. Syst.* 80:67-83.

Tedeschi, L. O., D. G. Fox, and M. J. Baker. 2004. Unveiling the Production Efficiency of the Beef Cow: A Systematic Approach using Nutrition Models Modification of paper presented at the NY Beef Cattle Winter Management Meeting (Jan, 2004).

4-12 Fabio Rezende. [Genetic considerations for Brazilian cattle populations.](#)

4-19 Victor Absalón. [Utilization of pastures and legumes to improve productivity and profit of dual-purpose cattle systems in the State of Veracruz, Mexico.](#)

- 4-26 Luis Nabté. *Growth in tropical conditions: Implications and opportunities for improvement of animal performance.*
- 5-03 Kotaro Baba. *Nutrition management decisions: Intensification of beef cattle systems in Tizimín, Yucatán, México.*