

Programme

Day 1: Wednesday 23rd July

- Registration 8.00 -
- Opening/welcome 8.30 - 8.45
- Sessions 8.45 - 17.30
- Lunch 12.15 - 13.15

Session I 8.45 - 12.15

1. *Nutrient and tissue metabolism*, Chair P. Harris, UK

Invited papers:

- "Blood glucose in the horse at rest and exercise" *S. Hyypä*, Finland
- "Triglyceride storage in skeletal muscle" *B. Essen-Gustavsson*, Sweden

Short paper:

- "Muscle-lactate and its transport across membranes in horses: A review" *A.R. Pösö, N.K. Koho, A.K. Mykkänen, M. Reeben and L.K. Väihkönen*, Finland

Poster:

- "Alpha-Lipoic acid attenuates exercise-induced oxidative stress and enhances oxidative metabolism in standardbred trotters" *S. Kinnunen, S Hyypä, N Oksala, J. Jakus, C.K. Ken and M. Atalay*, Finland

2. *Adaptations*, Chair B. Essen-Gustavsson, Sweden

Invited papers :

- "Physiology of intake and digestion in equine animals", *V. Julliand, C. Philippeau, A.G. Goachet and S. Ralston*, France
- "Thermoregulation in the horse at rest and during exercise", *D. Marlin*, UK
- "Horse transport", *D. Marlin*, UK

Posters:

- "Digestibility and plasma glucose and insulin concentration in athletic horse after abrupt feed changes between grass silage and hay" *S. Muhonen, J.E. Lindberg, J. Bertilsson and A. Jansson*, Sweden
- "Effect of a moderate dietary fat supplementation on the digestive function in the horse" *C. Philippeau, M. Varloud, A.G. Goachet and V. Julliand*, France

Session II 13. 15 - 16.30

3. *Energy expenditure - Evaluation of the requirements*, Chair J.-E. Lindberg, Sweden

Invited papers:

- "Energy requirements and allowances of exercising horse", *W. Martin-Rosset*, France
- "The suitability of heart rate in the prediction of oxygen consumption, energy expenditure and energy requirement for the exercising horse", *M. Coenen*, Germany
- "Practical assessment of work-level in equines", *A. Ellis*, UK

Shot paper:

- "Heat balance in trotters during intense exercise" *K.Morgan, G. Nyman and P. Kunkquist*, Sweden

4. Protein expenditure - Evaluation of the requirements, Chair D. Austbo, Norway

Invited papers:

- "Selected aspects of nitrogen metabolism in exercising horses", *M. Coenen*, Germany
- "Protein requirements and allowances of the exercising horse", *W. Martin-Rosset*, France

Session Va 16.30 - 17.30

6a. Feeding strategies/Probiotics and forage, Chair N. Miraglia, Italia and M. Saastamoinen, Finland

Short papers

- "Effects of grass species and time of cutting on *in vivo* digestibility in horses and sheep", *S. Särkijärvi, R. Sormunen- Cristian, T. Heikkilä, J. Komppa, M. Rinne, M. Saastamoinen*, Finland
- "Benefits of yeast culture supplementation in diets for horses" *J.A. Pickard and Z. Stevenson*, Ireland

Posters:

- "The effects of *Saccharomyces cerevisiae* CBS 493.94 level on *in vitro* fermentation using faecal inoculum from horses fed diets with different fibre concentrations", *A.S. Santos, C.V.M. Guedes, L.M.M. Ferreira, L.Evangelista, P.H. Gaspar, G. Bertin and M.A.M. Rodrigues*, Portugal
- "Effects of hydrolysed yeast (*Saccharomyces cerevisiae*) product (Progut™) on the microbial flora of the horse", *S. Särkijärvi, N. Kivinen, M. Saastamoinen and J. Vuorenmaa*, Finland

Day 2: Thursday 24th July

- Session 8.30 - 11.00
- Lunch 11.00 - 12.00
- Tour to MTT Equine Research and Equine Collage in Ypäjä + Horse and forage producing farm in Nousiainen 12.00 - 18.30
- Congress dinner in Forssa 20.00 -

Session III 8.30 - 11.00

5. Minerals, electrolytes and vitamins expenditure - Evaluation of the requirements, Chair M. Coenen, Germany

Invited papers:

- "Major mineral and trace element requirements and function in the exercising horses", *I. Vervuert*, Germany
- "Electrolyte requirements and supplementation in exercising horses", *E. Valle and D. Bergero*, Italia
- "Vitamin requirements and supplementation in athletic horses", *M.T. Saastamoinen*, Finland and *P. Harris*, UK

Short papers:

- "Organic selenium and the exercising horse" *C.E. Dunnett and M. Dunnett*, Ireland
- "Cereals, hay and straw naturally enriched in Se by use of fertilizers in horses diets: effects on a standardized exercise test" *J.L. Hornick T. Art, J. Pincemail, J.O. Dferaigne, O. Dotreppe, M. Diez, S. Pfaegen, J. Fayt, L.Istasse and I. Dufrasne*, Belgium

Session IV 12.00 - 18.30

Horse tour

Congress dinner (20.00 -)

Day 3: Friday 25th July

- Sessions + Round Table 8.00 - 16.00
- Lunch 11.45 - 12.45
- Closing remarks 15.30 - 16.00

Session Vb 8.00 - 11.45

6. Feeding strategies, rationing and formulating, Chair M. Saastamoinen, Finland and N. Miraglia, Italia

Invited papers:

- "Energy providing nutrient sources", A. Zeyner, Germany
- "Feeding schedule during competition day in performance horses", I. Vervuert, Germany
- "Feeding horses in hot and humid conditions", K. Morgan, Sweden
- "Feeding growing race horses in work", A. Ellis, UK and M.T. Saastamoinen, Finland

Short papers:

- "Nutrient intake in high performance showjumping horses in France", L. Martin, O. Geoffroy, A. Bonneau, C. Barré, P. Nguyen and H. Dumon, France
- "Variation of fatness and energy content of the body with body condition score in sport horses and its prediction", W. Martin-Rosset, J. Vernet, H. Dubroeuq, G. Arnaud, A. Picard, and M. Vermorel, France
- "Effects of a forage-only diet on body weight and response to interval training on a track", A. Jansson and J.-E. Lindberg, Sweden

Posters:

- "Energy balance of sport horses working in riding school at two levels of intensity", W. Martin-Rosset, L. Tavernier and M. Vermorel, France
- "Growth and conformation changes in the young Lusitano horse: evaluation from birth to one year of age", M.J. Fradinho, R. Fernandes, T. Gomes, M.J. Correia, M.J.C. Vila- Viçosa, M.F. Silva, G. Ferreira-Dias and R.M. Cladeira, Portugal

Session VI 12.45 - 14.15

7. Performance aids and contaminants, Chair W. Martin-Rosset, France

Invited papers:

- "Ergogenic aids in the performance horse", P. Harris, UK
- "Feed contaminants and antidoping tests", Y. Bonnaire, P. Maciejweski, M.A. Popot and S. Pottin, France
- "Revision of the EU-legislation on the marketing and use of feed with particular focus on nutrition of horses", W. Trunk, Germany/EU Commission

Round table, 14.45 - 15.30, Chair W. Martin-Rosset, France

”Compounding feedingstuffs for feeding horses: characteristics, utilization and legislation”

Members: *W. Trunk*, EU Commission, DG SANCO, Germany; *L. Istasse*, University of Liege, Belgium; *P. Bollen*, Cavalor Ltd, Belgium; *Y. Bonnaire*, LCH, France; *P. Harris*, Mars Horsecare Ltd, UK; *M. Coenen*, University of Leipzig; *J. Vuorenmaa*, Suomen Rehu Ltd, Finland; *M. Saastamoinen*, MTT, Finland; *D. Southey*, Southey Consultants/Alltech, Ireland