

Cambridge Core

Explore today at cambridge.org/core

Cambridge Core



MAY 2018 VOLUME 12 NUMBER 5

Messad, F., Létourneau-Montminy, M. P., Charbonneau, E., Sauvant, D. and Guay, F.

Prediction of the amino acid digestibility of legume seeds in growing pigs: a meta-analysis approach

Galli, J. R., Cangiano, C. A., Pece, M. A., Larripa, M. J., Milone, D. H., Utsumi, S. A. and Laca, E. A.

CONTENTS

Breed	ina	and	aon	ωť	icc

Quinton, C. D., Hely, F. S., Amer, P. R., Byrne, T. J. and Cromie, A. R. Prediction of effects of beef selection indexes on greenhouse gas emissions	889
Colinet, F. G., Vandenplas, J., Vanderick, S., Hammami, H., Mota, R. R., Gillon, A., Hubin, X., Bertozzi, C. and Gengler, N. Bayesian single-step genomic evaluations combining local and foreign information in Walloon Holsteins	898
Sartori, C., Guzzo, N., Mazza, S. and Mantovani, R. Genetic correlations among milk yield, morphology, performance test traits and somatic cells in dual-purpose Rendena breed	906
Garza Hernandez, D., Mucha, S., Banos, G., Kaseja, K., Moore, K., Lambe, N., Yates, J. and Bunger, L. Analysis of single nucleotide polymorphisms variation associated with important economic and computed tomography measured traits in Texel sheep	915
Nutrition Bonvini, E., Bonaldo, A., Mandrioli, L., Sirri, R., Dondi, F., Bianco, C., Fontanillas, R., Mongile, F., Gatta, P. P. and Parma, L. Effects of feeding low fishmeal diets with increasing soybean meal levels on growth, gut histology and plasma biochemistry of sea bass	923
Gasparino, E., Del Vesco, A. P., Khatlab, A. S., Zancanela, V., Grieser, D. O. and Silva, S. C. C. Effects of methionine hydroxy analogue supplementation on the expression of antioxidant-related genes of acute heat stress-exposed broilers	931

Salazar-Villanea, S., Bruininx, E. M. A. M., Gruppen, H., Hendriks, W. H., Carré, P., Quinsac, A. and van der Poel, A. F. B. 950 Pelleting and extrusion can ameliorate negative effects of toasting of rapeseed meal on protein digestibility in growing pigs

Saleem, A. M. and Singer, A. M. Growth performance and digestion of growing lambs fed diets supplemented with glycerol 959

Kholif, A. E., Gouda, G. A., Olafadehan, O. A. and Abdo, M. M. Effects of replacement of Moringa oleifera for berseem clover in the diets of Nubian goats on feed utilisation, and milk yield, composition and 964

973 Monitoring and assessment of ingestive chewing sounds for prediction of herbage intake rate in grazing cattle Bai, C., Cao, Q. N., Khas-Erdene, Ao, C. J., Gao, P., Zhang, Y., Mi, F. Y. and Zhang, T. L.

Combined effects of oleic, linoleic and linolenic acids on lactation performance and the milk fatty acid profile in lactating dairy cows Physiology and functional biology Fu, X., Yang, Q., Wang, B., Zhao, J., Zhu, M., Parish, S. M. and Du, M.

Reduced satellite cell density and myogenesis in Wagyu compared with Angus cattle as a possible explanation of its high marbling 990 Sterndale, S., Broomfield, S., Currie, A., Hancock, S., Kearney, G. A., Lei, J., Liu, S., Lockwood, A., Scanlan, V., Smith, G. and Thompson, A. N.

Supplementation of Merino ewes with vitamin E plus selenium increases actocopherol and selenium concentrations in plasma of the lamb but does not 998 Cofré, E., Peralta, O. A., Raggi, A., De los Reyes, M., Sales, F., González-Bulnes, A. and Parraguez, V. H. 1007

Ram semen deterioration by short-term exposure to high altitude is prevented by improvement of antioxidant status Welfare, behaviour and health management Archer, G. S.

Color temperature of light-emitting diode lighting matters for optimum growth and welfare of broiler chickens 1015 Flohr, J. R., Dritz, S. S., Tokach, M. D., Woodworth, J. C., DeRouchey, J. M. and Goodband, R. D.

Development of equations to predict the influence of floor space on average daily gain, average daily feed intake and gain: feed ratio of finishing pigs 1022 Merlin, A., Ravinet, N., Madouasse, A., Bareille, N., Chauvin, A. and Chartier, C. Mid-season targeted selective anthelmintic treatment based on flexible weight gain threshold for nematode infection control in dairy calves 1030

Lora, I., Barberio, A., Contiero, B., Paparella, P., Bonfanti, L., Brscic, M., Stefani, A. L. and Gottardo, F. Factors associated with passive immunity transfer in dairy calves: combined effect of delivery time, amount and quality of the first colostrum meal 1041

Dervishi, E., Zhang, G., Mandal, R., Wishart, D. S. and Ametaj, B. N. Targeted metabolomics: new insights into pathobiology of retained placenta in dairy cows and potential risk biomarkers 1050

Livestock farming systems Millet, S., Aluwé, M., Van den Broeke, A., Leen, F., De Boever, J. and De Campeneere, S. Review: Pork production with maximal nitrogen efficiency 1060

Murphy, E., Curran, T. P., Holden, N. M., O'Brien, D. and Upton, J. Water footprinting of pasture-based farms; beef and sheep 1068

Lazzarini, B., Lopez-Villalobos, N., Lyons, N., Hendrikse, L. and Baudracco, J. Productive, economic and risk assessment of grazing dairy systems with supplemented cows milked once a day 1077

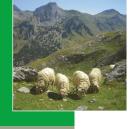
Quality of animal products Ruiz, M., Sarriés, M. V., Beriain, M. J., Crecente, S., Domínguez, R. and Lorenzo, J. M.

Relationship between carcass traits, prime cuts and carcass grading from foals slaughtered at the age of 13 and 26 months and supplemented with 1084 standard and linseed-rich feed

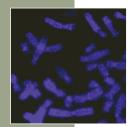
Mateo, J., Caro, I., Carballo, D. E., Gutiérrez-Méndez, N., Arranz, J. J. and Gutiérrez-Gil, B.

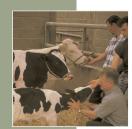
Carcass and meat quality characteristics of Churra and Assaf suckling lambs 1093

Murphy, V. S., Lowe, D. E., Lively, F. O. and Gordon, A. W. 1102 The effect of floor type on the performance, cleanliness, carcass characteristics and meat quality of dairy origin bulls









Cambridge Core

For futher information about this journal please go to the journal web site at: cambridge.org/animal



MIX Paper from responsible sources **FSC® C007785**



940

983