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**Keywords:** Artificial insemination; Synchronization of estrus; Reproductive management; Pregnancy rates; Beef cattle

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**Keywords**: Beef cattle; Breeding aims; Calving rate; Charolais; Conception rate; Cows; Crossbreeding; Finishing; Marketing; Production economics; Traits; Weaning weight.


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Keywords: Contact structure; Transport movements; Regulations; Foot-and-mouth disease; Simulation model; Prevention; Cattle

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Keywords: E. coli O157; Finishing goats; Concentrate diet

Keywords: Cattle; CIDR; Estradiol; Gonadotrophins; Progesterone

Keywords: C/EBP[alpha]; C/EBP[beta]; C/EBP[delta]; PPAR[gamma]; Beef cattle

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**Keywords:** Beef; Bos indicus; Carcass quality; Meat quality; Tenderness; Vitamin D3


**Keywords:** Cattle; Conditioning; Transport distance; Health


**Keywords:** Water buffalo; Cattle; Fattening


**Keywords:** Beef cattle; Feedlots; Stress; Adaptation; Weaning; Feeding behaviour; Performance

Emergy evaluation of grazing cattle in Argentina's Pampas/ G.C. Rotolo, T. Rydberg, G. Lieblein, C. Francis,

**Keywords** : Beef production; Pastures; Ruminant management; System evaluation; Production efficiency

Energy and nitrogen metabolism and insulin response to glucose challenge in lactating German Holstein and Charolais heifers/ N. Pareek, J. Voigt, O. Bellmann, F. Schneider, H.M. Hammon


**Keywords** : Dairy and beef heifers; Lactation; Energy and nitrogen balance; Protein turnover; Glucose; Insulin

Energy crops in Ireland: Quantifying the potential life-cycle greenhouse gas reductions of energy-crop electricity/ David Styles, Michael B. Jones


**Keywords** : Miscanthus; SRC willow; Life-cycle assessment; Ireland; Greenhouse gas emissions; Agriculture

Enumeration and identification of Campylobacter species in the liver and bile of slaughtered cattle/ Maiko Enokimoto, Meiko Kubo, Yoshinobu Bozono, Yoshiko Mieno, Naoaki Misawa


**Keywords**: Campylobacter species; Cattle; Bile; Liver; Abattoir

Extent of processing of barley grain did not affect productivity of lactating dairy cows/ G. McGregor, M. Oba, M. Dehghan-banadaky, R. Corbett


**Keywords** : Dairy cows; Barley grain; Steam-rolling; Extent of processing; Milk fat depression

Farmer attitudes toward wolves: Implications for the role of predators in managing disease/ Astrid V. Stronen, Ryan K. Brook, Paul C. Paquet, Stephane McLachlan,
Keywords: Bovine Tuberculosis; Canis lupus; Cervus elaphus manitobensis; Elk; Logistic regression; Mycobacterium bovis; Transboundary

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Keywords: Beef meat; Pasture; Phospholipids; Tocopherol

Feeding feedlot steers fish oil alters the fatty acid composition of adipose and muscle tissue/ T.J. Wistuba, E.B. Kegley, J.K. Apple, D.C. Rule

Keywords: Beef cattle; Fatty acid; Fish oil; Longissimus thoracis

Feeding value for finishing beef steers of wheat grain conserved by different techniques/ P. Stacey, P. O'Kiely, A.P. Moloney, F.P. O'Mara

Keywords: Wheat; Moist grain; Conservation; Storage; Feeding value; Cattle

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Keywords: Salt tolerance; Drainage water reuse; Salinity; Selenium; Boron; Tall wheatgrass; Forage quality; Forage yield

Frequency of luteinizing hormone pulses in cattle influences duration of persistence of dominant ovarian follicles, follicular fluid concentrations of steroids, and activity of insulin-like growth factor binding proteins/ F. N. Kojima, E. G. M. Bergfeld, M. E. Wehrman, A. S. Cupp, K. E. Fike, D. V.

**Keywords**: Progesterone; LH; Ovarian follicles; IGF-binding proteins; Cattle-endocrinology

Frequency of Shiga toxin-producing *Escherichia coli* (STEC) isolates among diarrheic and non-diarrheic calves in Brazil/ L. Leomil, L. Aidar-Ugrinovich, B. E. C. Guth, K. Irino, M. P. Vettorato, D. L. Onuma, A. F. P. de Castro, 
*Veterinary Microbiology, Volume 97, Issues 1-2, , 2 December 2003, Pages 103-109.*

**Keywords**: *Escherichia coli*; Cattle-bacteria; PCR; stx genes; Ehly genes; STEC


**Keywords**: Antioxidant; Flavor; Mature beef; Lipid oxidation; Restructured beef; Frozen storage

Hair coat characteristics and sweating rate of Braford cows in Brazil/ Elaine Cristina Abaker Bertipaglia, Roberto Gomes da Silva, Vania Cardoso, Luis Alberto Fries 

**Keywords**: Adaptation; Beef cattle; Genetic parameters; Hair coat; Sweating rate

How effective are broad-scale nutrient mass balances for determining the sustainability of lot-feed manure application?/ Matthew R. Redding, Alan Skerman, John Ritchie, Kenneth D. Casey, Agriculture, 

**Keywords**: Nutrient mass balance; Manure; Cattle; Waste re-use
Husbandry practices, badger sett density and habitat composition as risk factors for transient and persistent bovine tuberculosis on UK cattle farms/ L.A. Reilly, O. Courtenay
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Keywords : Bovine tuberculosis; Mycobacterium bovis; Case-control study; Risk factor; Epidemiology; Cattle; Farm management; Badger

Induction of cyclicity in postpartum anestrous beef cows using progesterone, GnRH and estradiol cypionate (ECP)/ J.E. Wheaton, G.C. Lamb
Keywords : Beef cattle; Postpartum anestrus; CIDR; GnRH; Estradiol cypionate

Intake and total and partial digestibility of nutrients, ruminal pH and ammonia concentration and microbial efficiency in beef cattle fed with diets containing sorghum (Sorghum bicolor (L.) Moench) silage and concentrate in different ratios/ Dalton Henrique Pereira, Odilon Gomes Pereira, Bruno Ceolin da Silva, Maria Ignez Leao, Sebastiao de Campos Valadares Filho, Fernanda Helena Martins Chizzotti, Rismo Garcia,
Keywords : Chromic oxide; Crude protein; Ruminal parameters; Roughage

Keywords : Escherichia coli O157:H7; Non-O157 Shiga toxin-producing E. coli; Salmonella; Interventions; Test-and-hold
Isotype-specific antibody responses against Escherichia coli O157:H7 locus of enterocyte effacement proteins in adult beef cattle following experimental infection/ G. Bretschneider, E.M. Berberov, R.A. Moxley
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**Keywords**: Malate salt; Malic acid; Beef cattle; Acid-base balance

Milk yield, age at first calving, and the risk of BSE: An analysis at the farm level in France/ C. La Bonnardiere, B. Bonaiti, D. Abrial, P. Gasqui, D. Calavas, C. Ducrot, J. Barnouin,
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**Keywords**: Epidemiology; BSE; Case control; Dairy herds; Milk yield; Age at first calving

Mineral content of longissimus dorsi thoracis from water buffalo and Zebu-influenced cattle at four comparative ages/ M. Giuffrida-Mendoza, L. Arenas de Moreno, S. Uzcategui-Bracho, G. Rincon-Villalobos, N. Huerta-Leidenz,
**Keywords**: Water buffalo; Beef cattle; Minerals; Meat

Morphological assessment of beef cattle according to carcass value/ Jaime Alonso, Antonio Bahamonde, Alfonso Villa, Angel Rodriguez Castanon,
**Keywords**: Morphological assessment; Beef cattle; Carcass; Artificial Intelligence; Support Vector Machines (SVM)
On-line real time aid to the verification of CCP compliance in beef slaughter HACCP systems/ J.H. Ryan,  
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**Keywords:** Beef slaughter; Carcass contamination; Food safety; HACCP; On-line monitoring

Pipeline vs. truck transport of beef cattle manure/ Emad Ghafoori, Peter C. Flynn, John J. Feddes,  
**Keywords:** Manure management; Manure transport; Digestate transport; Pipeline; Truck; Transportation costs

Pituitary, adrenal, immune and performance responses of mature Holstein x Friesian bulls housed on slatted floors at various space allowances/ S. Gupta, B. Earley, M.A. Crowe,  
**Keywords:** Cattle; Housing; Pituitary-adrenal-axis; Immune response; Haematology

Preliminary study of certain serotypes, genetic and antimicrobial resistance profiles of verotoxigenic Escherichia coli (VTEC) isolated in Bosnia and Germany from cattle or pigs and their products/ Theda von Muffling, Muhamed Smaijlovic, Bernhard Nowak, Katharina Sammet, Michael Bulte, Gunter Klein,  
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Prevention of naturally occurring infectious bovine keratoconjunctivitis with a recombinant Moraxella bovis pilin-Moraxella bovis cytotoxin-ISCOM matrix adjuvanted vaccine/ John A. Angelos, Robert G. Bonifacio, Louise M. Ball, John F. Hess  
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Keywords: Moraxella bovis; Cytotoxin; Pilin; Infectious bovine keratoconjunctivitis

Keywords: Water buffalo; Tenderness; Protease activity; Inhibitor; Calpain; Calpastatin

Serotypes, virulence genes, and intimin types of Shiga toxin-producing Escherichia coli (STEC) and enteropathogenic E. coli (EPEC) isolated from calves in Sao Paulo, Brazil/ L. Aidar-Ugrinovich, J. Blanco, M. Blanco, J.E. Blanco, L. Leomil, G. Dahbi, A. Mora, D.L. Onuma, W.D. Silveira, A.F. Pestana de Castro, International Journal of Food Microbiology, Volume 115, Issue 3, , 20 April 2007, Pages 297-306. Keywords: Escherichia coli; STEC and EPEC; Serotypes; Intimin subtypes; Cattle; Sao Paulo, SP, Brazil

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Sonoelasticity to monitor mechanical changes during rigor and ageing/ A. Ayadi, J. Culioli, S. Abouelkaram,
Keywords: Sonoelasticity; Compression; pH; Biceps femoris; Rigormortis; Ageing

Temporal response of liver signal transduction elements during in vivo endotoxin challenge in cattle: Effects of growth hormone treatment/ Cong-Jun Li, Stanislaw Kahl, Donald Carbaugh, Theodore H. Elsasser,
Keywords: Growth hormone; iNOS; LPS; MAPK; Signal transduction

**Keywords:** Eimeria; Cattle; Weaning; Stress


**Keywords:** Trichinellosis; Epidemiology; Animals; Quarantine; China


**Keywords:** Bovine respiratory disease; Early detection; Infrared


**Keywords:** TCAP; Marbling score; Cold carcass weight; Polymorphism


**Keywords:** Microfluidics; Embryo; Gamete; IVF; Embryo culture; Oocyte

Toxic effects seen in a herd of beef cattle following exposure to ash residues contaminated by lead and mercury/ R. Krametter-Froetscher, F. Tataruch, S. Hauser, M. Leschnik, A. Url, W. Baumgartner,
**Keywords:** Poisoning; Lead; Mercury; Ash residues; Seizures

**Keywords:** Transportation stress; Neutrophils; Cortisol; Gene expression; Beef cattle

**Keywords:** Maternal; Beef cattle; Contact logger; Behaviour; Parentage

Vegetation dynamics in Mediterranean forest pastures as affected by beef cattle grazing, Agriculture/ I. Casasus, A. Bernues, A. Sanz, D. Villalba, J.L. Riedel, R. Revilla *Ecosystems & Environment, Volume 121, Issue 4, , August 2007, Pages 365-370.*  
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Chemical and sensory properties of beef of known source and finished on wet distillers grains diets containing varying types and levels of roughage/B E Jenschke; J R Benton; C R Calkins; T P Carr et al

Development and evaluation of empirical equations to interconvert between twelfth-rib fat and kidney, pelvic, and heart fat respective fat weights and to predict initial conditions of fat deposition models for beef cattle/ M J McPhee; J W Oltjen; J G Fadel; D Perry; R D Sainz

Effects of 2-hydroxy-4-(methylthio)-butanoic acid on performance and carcass characteristics of finishing beef cattle and on fermentation in continuous culture/ K R Wilson; C S Abney; J T Vasconcelos; M Vázquez-Añón et al

Effects of preshipping management on measures of stress and performance of beef steers during feedlot receiving/ J D Arthington; X Qiu; R F Cooke; J M B Vendramini et al.

Effects of supplemental fat on growth performance and quality of beef from steers fed corn finishing diets/M L Nelson; J R Busboom; C F Ross; J V O'Fallon.
Effects of the myostatin F94L substitution on beef traits/A K Esmailizadeh; C D K Bottema; G S Sellick; A P Verbyla et al. 

Evaluation of carcass characteristics of Bos indicus and tropically adapted Bos taurus breeds selected for postweaning weight/ S F M Bonilha; L O Tedeschi; I U Packer; A G Razook et al. 

Forage systems for cow-calf production in the Appalachian region/ G Scaglia; W S Swecker Jr; J P Fontenot; D Fiske et al. 

Impact of beef cattle diets containing corn or sorghum distillers grains on beef color, fatty acid profiles, and sensory attributes/R K Gill; D L VanOverbeke; B Depenbusch; J S Drouillard; A DiCostanzo. 

Interspace/Undercanopy Foraging Patterns of Beef Cattle in Sagebrush Habitats/Kevin A France; Dave C Ganskopp; Chad S Boyd. 

Technical note: A novel technique to assess internal body fat of cattle by using real-time ultrasound/F R B Ribeiro; L O Tedeschi; J R Stouffer; G E Carstens. 

Transportation of young beef bulls alters circulating physiological parameters that may be effective biomarkers of stress/K R Buckham Sporer; P S D Weber; J L Burton; B Earley; M A Crowe. 
Use of 25-hydroxyvitamin D\textsuperscript{3} and dietary calcium to improve tenderness of beef from the round of beef cows/K M Carnagey; E J Huff-Lonergan; S M Lonergan; A Trenkle et al.


**SCIENCE DIRECT**

A human health risk assessment for macrolide-resistant Campylobacter associated with the use of macrolides in Danish pig production/ Lis Alban, Elisabeth Okholm Nielsen, Jan Dahl


**Keywords**: Campylobacter; Risk assessment; Antibiotic resistance; Human health risk; Macrolide

A review of natural antioxidants and their effects on oxidative status, odor and quality of fresh beef produced in Argentina,/ A.M. Descalzo, A.M. Sancho,


**Keywords**: [alpha]-Tocopherol; [beta]-Carotene; Glutathione; Ascorbic acid; Antioxidant activity; Antioxidant enzymes; Lipid and protein oxidation; Argentine beef

A simplified method for cholesterol determination in meat and meat products,/ T.T.N. Dinh, J.R. Blanton Jr., J.C. Brooks, M.F. Miller, L.D. Thompson,


**Keywords**: Cholesterol determination; Gas chromatography; Method validation; Longissimus muscle; Beef cattle; Cattle breeds; Angus; Brahman; Romosinuano

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Ability of near infrared reflectance spectroscopy (NIRS) to estimate physical parameters of adult steers (oxen) and young cattle meat samples./ N. Prieto, S. Andres, F.J. Giraldez, A.R. Mantecon, P. Lavin,
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Accounting for numbers of expressions of specific genotypes using a modified gene-flow method/ M. Nishio, A.K. Kahi, H. Hirooka
**Keywords:** Gene-flow; Genotype; Cumulative discounted expressions

Adaptation and change in Queensland's rangelands: Cell grazing as an emerging ideology of pastoral-ecology/ Carol Richards, Geoffrey Lawrence,
**Keywords:** Cell grazing; Broadscale grazing; Beef production; Sustainability; Productivism; Australia

**Keywords:** AMP-activated protein kinase; Intramuscular fat; Marbling; Lean growth; Beef; Quality

Future prospects pathological and immunohistochemical studies of Mycoplasma bovis respiratory infection in veal calves and adult cattle at slaughter/ E. Radaelli, M. Luini, G.R. Loria, R.A.J. Nicholas, E. Scanziani,

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Association between animal, transportation, slaughterhouse practices, and meat pH in beef/ N. Mach, A. Bach, A. Velarde, M. Devant
Keywords: Beef; Meat pH; Pre-slaughter management

Boland, Intake, digestibility, rumen fermentation and performance of beef cattle fed diets based on whole-crop wheat or barley harvested at two cutting heights relative to maize silage or ad libitum concentrates/ K. Walsh, P. O'Kiely, A.P. Moloney, T.M.,
Keywords: Maize; Whole-crop wheat; Whole-crop barley; Cutting height; Ad libitum concentrates

Boland, Intake, performance and carcass characteristics of beef cattle offered diets based on whole-crop wheat or forage maize relative to grass silage or ad libitum concentrates/ K. Walsh, P. O'Kiely, A.P. Moloney, T.M.
Keywords: Maize; Whole-crop wheat; Ad libitum concentrates; Cattle; Feed intake; Growth rate

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Breed assignment test in four Italian beef cattle breeds/C. Dalvit, M. De Marchi, R. Dal Zotto, M. Gervaso, T. Meuwissen, M. Cassandro,
Keywords: Beef breeds; Assignment test; Microsatellites
Breed variation in the chemical and fatty acid compositions of the Longissimus dorsi muscle in Czech Fleckvieh and Montbeliarde cattle/ D. Zapletal, G. Chladek, J. Subrt
Keywords: Fatty acids; Czech Fleckvieh; Montbeliarde; Breeds; Beef

Cattle generalise visual cues from the pen to the field to select initial feeding patches/ Wilma J. Renken, Larry D. Howery, George B. Ruyle, R. Mark Enns
Keywords : Cattle; Generalisation; Visual cues; Patch selection; Foraging behaviour; Rangelands

Coastal meadows as pastures for beef cattle, Agriculture/ Marika Niemela, Arto Huuskonen, Sari Jaakola, Erkki Joki-Tokola, Marko Hyvarinen
Keywords : Beef cattle; Forage; Coastal meadow; Semi-natural grassland; Eutrophication; Biodiversity

Colour, composition and quality of M. longissimus dorsi and M. extensor carpi radialis of steers housed on straw or concrete slats or accommodated outdoors on wood-chips,/ P.G. Dunne, J. Rogalski, T. Moreno, F.J. Monahan, P. French, A.P. Moloney,
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Comparative analysis of two dynamic mechanistic models of beef cattle growth/ F. Garcia, R.D. Sainz, J. Agabriel, L.G. Barioni, J.W. Oltjen,
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Comparative pharmacokinetics of an injectable cephalexin suspension in beef cattle/ S. Waxman Dova, G. Albarellos, V. Kreil, L. Montoya, L. Ambros, R. Hallu, M. Rebuelto,
**Keywords**: Comparative pharmacokinetics; Cattle; Age; Route of administration; Cephalexin

Comparison of fresh beef and camel meat proteolysis during cold storage/ Nafiseh Soltanizadeh, Mahdi Kadivar, Javad Keramat, Mohammad Fazilati,
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Composition and quality differences between the longissimus and infraspinatus muscles for several groups of pasture-finished cattle/ R.W. Purchas, M. Zou,
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Conceptus-related measurements during the first trimester of bovine pregnancy/ George A. Riding, Sigrid A. Lehnert, Andrew J. French, Jonathan R. Hill
**Keywords**: Bovine; Conceptus fluid; Fetometry; First trimester; Pregnancy

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**Keywords**: Cattle; Heat stress; Housing; Cooling; Diet

Correlations between carcass traits and mRNA levels of CGI-105 and CCAAT/enhancer protein [alpha] genes in steers of Korean cattle,/ Ju H. Yun, Jin J. Bong, Kyuho Myung, Myunggi Baik,
Keywords : Beef cattle; Female fertility; Artificial insemination; Days to calving; Calving interval; AIDC

Keywords : Cattle; Estrous synchronization; Timed-AI; CO-Synch; CIDR

Keywords : Meat proteins; Myofibrils; Transglutaminase; Breaking strength; [epsilon][gamma]-Gultamyl)lysine content

Keywords: Beef cattle; Tick; Babesiosis; PCR


Keywords: Korean cattle; Marbling; CGI-105; C/EBP[alpha]
Dietary n-3 polyunsaturated fatty acids alter the expression of genes involved in prostaglandin biosynthesis in the bovine uterus/ G.S. Coyne, D.A. Kenny, S. Childs, J.M. Sreenan, S.M. Waters,
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Dietary supplementation of ruminant diets with an Aspergillus oryzae [alpha]-amylase,/ J.M. Tricarico, J.D. Johnston, K.A. Dawson,
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Diversity of virulence profiles of Shiga toxin-producing Escherichia coli serotypes in food-producing animals in Brazil/ Murilo Gomes Oliveira, Jose Renaldi Feitosa Brito, Tania Aparecida Tardelli Gomes, Beatriz Ernestina Cabilio Guth, Monica Aparecida Midolli Vieira, Zita Valeria Furtado Naves, Tania Mara Ibelli Vaz, Kinue Irino,
**Keywords:** Escherichia coli; Shiga toxin; STEC serotypes; O157:H7; Genotypes; Virulence markers

Effect of a short duration feed withdrawal followed by full feeding on marbling fat in beef carcasses,/ P.S. Mir, K.S. Schwartzkopf-Genswein, T. Entz, K.K. Klein, E. Okine, M.V. Dodson,
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Effect of dietary iodine on growth and iodine status of growing fattening bulls,/ Ulrich Meyer, Kristin Weigel, Friedrich Schone, Matthias Leiterer, Gerhard Flachowsky, 
**Keywords** : Growing fattening bulls; Dietary iodine; Growth performance; Iodine status

Effect of early weaning on performance, carcass and meat quality of spring-born bull calves raised in dry mountain areas,/ M. Blanco, G. Ripoll, P. Alberti, A. Sanz, R. Revilla, D. Villalba, I. Casasus, 
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Effect of level of dietary n-3 polyunsaturated fatty acid supplementation on systemic and tissue fatty acid concentrations and on selected reproductive variables in cattle,/ S. Childs, A.A. Hennessy, J.M. Sreenan, D.C. Wathes, Z. Cheng, C. Stanton, M.G. Diskin, D.A. Kenny,  
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Effect of the administration of young oak (Quercus pyrenaica) leaves to cattle on ruminal fermentation, / R.R. Doce, G. Hervas, A. Belenguer, P.G. Toral, F.J. Giraldez, P. Frutos,
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Effect of the feeding system on intramuscular fatty acids and conjugated linoleic acid isomers of beef cattle, with emphasis on their nutritional value and discriminatory ability/ Cristina P.M. Alfaia, Susana P. Alves, Susana I.V. Martins, Carlos M.G.A. Fontes, Jose P.C. Lemos, Rui J.B. Bessa, Jose A.M. Prates,
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**Keywords**: Enzymes; Grain; Digestion; Feed intake; Weight gain; Efficiency

Effects of breed and a concentrate or grass silage diet on beef quality in cattle of 3 ages. I: Animal performance, carcass quality and muscle fatty acid composition/ H.E. Warren, N.D. Scollan, M. Enser, S.I. Hughes, R.I. Richardson, J.D. Wood
**Keywords**: Beef; Fatty acids; Health; Forage; Grass; Age; Breed

Effects of breed and a concentrate or grass silage diet on beef quality in cattle of 3 ages. II: Meat stability and flavour/ H.E. Warren, N.D. Scollan, G.R. Nute, S.I. Hughes, J.D. Wood, R.I. Richardson
**Keywords**: Beef; Sensory quality; Vitamin E; Colour; Lipid stability

Keywords : Breed type; Beef cattle; Carcass; Brahman; Bulls; Supplementation


Keywords: Beef cattle; Extrusion; Digestibility; Growth


Keywords : Age at weaning; Breed; Performance; Carcass quality; Meat quality; Beef cattle


Keywords : Ammonia; Beef heifers; Development; Fermenten(R); Reproduction


Keywords : Glycerol; Rumen fermentation; Purine derivatives; Digestibility; Beef cattle
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**Keywords:** Beef cattle; Dietary CP; Gender

Effects of lanthanum on rumen fermentation, urinary excretion of purine derivatives and digestibility in steers/ Q. Liu, C. Wang, Y.X. Huang, K.H. Dong, W.Z. Yang, H. Wang
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Effects of maceration of rice straw on voluntary intake and performance of growing beef cattle fed rice straw-based rations/ G.A. Nader, P.H. Robinson,
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Effects of plasma progesterone concentrations on LH release and ovulation in beef cattle given GnRH/ Marcos G. Colazo, John P. Kastelic, Hannah Davis, Mary D. Rutledge, Marcelo F. Martinez, Julie A. Small, Reuben J. Mapleton,
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Effects of progesterone presynchronization and eCG on pregnancy rates to GnRH-based, timed-AI in beef cattle, Theriogenology*In Press, Corrected Proof/ J.A. Small, M.G. Colazo, J.P. Kastelic, R.J. Mapleton,
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Effects of supplementary concentrate level in winter, and subsequent finishing on pasture or indoors, on performance and carcass traits of Holstein-Friesian, M.G. Keane, M.J. Drennan, Aberdeen Angus x Holstein-Friesian and Belgian Blue x Holstein-Friesian steers. 


Keywords: Beef cattle; Crossbreeds; Finishing systems; Pasture


Keywords: Postmortem chilling; pH; Glycogen; Sarcomere length; Shear force


Keywords: Puberty; Reproductive development; GnRH; LH; Cattle


Keywords: Beef cattle; Marbling; Carcass quality; Vitamin A; Retinol

Effects of vitamin A supplementation and weaning age on serum and liver retinol concentrations, carcass traits, and lipid composition in market beef cattle A.M. Arnett, M.E. Dikeman, M.J. Daniel, K.C. Olson, J. Jaeger, J. Perrett,


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Epidemiology and disease control in everyday beef practice,/ R.L. Larson,
Keywords: Epidemiology; Biosecurity; Disease control

Estimation of effective population size using bivariate discrete distributions for modeling family size in beef cattle,/ L. Ron Garrido, A.N. Birchmeier, S. Munilla, R.J.C. Cantet,
Keywords : Brangus; Effective population size; Family size; Bivariate discrete distributions; Overdispersion; selection

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subjected to a synchronization of ovulation protocol/ Gabriela Olmos, Simon P. Turner, 

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Experimental design for integrated research projects to estimate genetic and numerous treatment effects, / D.L. Robinson, 

_Keywords_: Experimental design; Genetic effects; Genetic markers; Beef cattle; Integrated research

Expression of adipogenic transcription factors in adipose tissue of fattening Wagyu and Holstein steers/ T. Yamada, S.-I. Kawakami, N. Nakanishi, 
_Keywords_: C/EBP family; PPAR[gamma]; Adipogenesis; Beef cattle

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_Keywords_: Johne's disease; Mycobacterium avium subspecies Paratuberculosis; Epidemiology; Beef cattle

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Fatty acid composition of M. Longissimus dorsi from Holstein-Friesian steers of New Zealand and European/American descent and from Belgian Blue x Holstein-Friesian steers, slaughtered at two weights/ages/ T. Moreno, M.G. Keane, F. Noci, A.P. Moloney


**Keywords** : Slaughter weight/age; Breed; Bovine; Muscle; Fatty acids; Conjugated linoleic acid

Feeding behaviour, diet digestibility, rumen fluid and metabolic parameters of beef cattle fed total mixed rations with a stepped substitution of wheat straw with maize silage/ A. Mazzenga, M. Gianesella, M. Brscic, G. Cozzi,


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Keywords : Humoral immune response; Cell-mediated immune response; Killed vaccine; Bovine viral diarrhea virus; Bovine; Four-color flow cytometry; Serum virus neutralization test

Keywords : Water; Aquifers; Cropping and livestock systems; Grazing systems; Soil quality

In vitro evaluation of effects of ten essential oils at three doses on ruminal fermentation of high concentrate feedlot-type diets/ L. Castillejos, S. Calsamiglia, J. Martin-Tereso, H. Ter Wijlen,

Keywords: Essential oil; Rumen fermentation


Keywords: Beef; Antioxidants; Forages; ORAC


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Keywords : Beef cattle; Phenotypic relationships; Carcass morphology; Longissimus thoracis measures; Carcass traits


Keywords : Average daily gain; Continuous grazing; Grazing pressure; Rotational grazing; Short-duration grazing; Spring precipitation
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**Keywords**: Feedlot; Grass silage; Neutral detergent fiber; Roughage; Ruminal parameters

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**Keywords**: Beef suckler cow; Cattle; Grassland systems

Performance of spring-calving beef suckler cows and their progeny to slaughter on intensive and extensive grassland management systems,/ M.J. Drennan, M. McGee,


**Keywords**: Beef suckler cow; Cattle; Extensification; Grassland management systems

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**Keywords**: Infectious bovine rhinotracheitis; Bovine viral diarrhea; Prevalence; Serology
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**Keywords:** Hypothalamic deafferentation; Beef calves; Ovariectomy;

Prolactin; [alpha]-Methyl-[rho]-tyrosine; Haloperidol; Thyrotropin-releasing hormone

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**Keywords: Cattle; Tenderness; Temperament; Escape velocity**

**Keywords**: Sarcocystis; Coccidia; Parasites; Cattle; Beef; Food safety; Population genetics; Domestication; Dog


**Keywords**: Paratuberculosis; Bovine leukemia virus; Bovine viral diarrhea virus; Neospora caninum; Management factors; Dairy cattle


**Keywords**: Tritrichomonas foetus; Bovine trichomonosis; Venereal disease; Beef cattle


**Keywords**: Mycobacterium bovis; Cattle farm; Brushtail possum; Epidemiology

Keywords : Cattle; Manure; Organic material; Nutrients; All-weather surfaces


Keywords : Sheep; Dehesa; Farm typology; Technical and economic management; Principal component analysis


Keywords : Model; Forage system; Beef cattle; Grazing; Cutting; Production; Floristic diversity


Keywords : Cattle; Beef; Traceability; Stable isotope ratios; Isotope ratio mass spectrometry (IRMS)


Keywords : Beef heifers; Cattle; Cost benefit; Estrus synchronization; Prostaglandin
The effect of cooking on the fatty acid composition of longissimus muscle from beef heifers fed rations designed to increase the concentration of conjugated linoleic acid in tissue/M.V. Sarries, B.E. Murray, A.P. Moloney, D. Troy, M.J. Beriaiin.,
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**Keywords:** Beef; Texture; Tenderness; pH; Sex; Pre-slaughter; Housing; Hanging

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The Jarvis Beef Stunner: Effects of a prototype chest electrode/ A.L. Weaver, S.B. Wotton,
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Keywords: Cattle; Temperament; Hair whorl; Intensive handling; Flight speed


*Keywords: Residual feed intake; Sheep; Model; Feed efficiency*


*Keywords: Near infrared reflectance spectroscopy; Beef; Meat; Quality attributes*


*Keywords: SNPs; Traceability; Breed; Cattle*


*Keywords: Transportation stress; Steroids; Neutrophils; cDNA microarray; Beef cattle*

Keywords : Beef; Stable isotope; SIRA; Trace element; Geographic origin; Authenticity

Weekly bull exchange shortens postpartum anestrus in suckled beef cows/ V. Miller, R. Ungerfeld
Keywords: Biostimulation; Bull effect; Cattle; Postpartum anestrus