

Extra bij 'Klauwgezondheid in Nederland, een update II'

LITERATUUR

1. Baggott DG, Bunch KJ, Gill KR. Variations in some inorganic components and physical properties of claw keratin associated with claw disease in the British Friesian cow. Br. Vet. J. 1988. 144:534-542
2. Ballantine HT, Socha MT, Tomlinson DJ, Johnson AB, Fielding AS., Shearer JK, van Amstel SR. Effects of feeding complexed zinc, manganese, copper and cobalt to late gestation and lactating dairy cows on claw integrity, reproduction and lactation performance. The Prof. Anim. Sci. 2002. 18:211-218
3. Benz, B. 2002. Elastische Beläge für Betonspaltenböden in Liegeboxenstallen. Ph.D. Thesis, Univ. Hohenheim, Germany.
4. Bergsten C, Greenough PR, Gay JM, Seymour WM, Gay CC. Effects of biotin supplementation on performance and claw lesions on a commercial dairy farm. J. Dairy Sci. 2003 86: 3953-62
5. Bicalho RC, Machado VS, Caixeta LS. Lameness in dairy cattle: A debilitating disease or a disease of debilitated cattle? A cross-sectional study of lameness prevalence and thickness of the digital cushion. J Dairy Sci. 2009 92: 3175-84
6. Boosman R. Bovine laminitis; Histopathologic and arteriographic aspects and its relation to endotoxaemia. PhD Thesis, 1990. Rijksuniversiteit Utrecht,
7. Cousins, R. J. 1996. Zinc. Present Knowledge in Nutrition. Pp.: 293-306 in 7th ed. E. E. Ziegler and L. J. Filer, Jr., ed. ILSI Press, Washington, DC.
8. Da Costa Gomez C, Al Masri M, Steinberg W, Abel HJ. Effect of varying hay/barley proportions on microbial biotin metabolism in the rumen simulating fermenter rusitec. Soc. Nut. Phys. 1998. 7: 30.
9. Daley CA, Abbott A, Doyle PS, Nader GA, Larson S. A review of fatty acid profiles and antioxidant content in grass-fed and grain-fed beef. Nutr J. 2010 9:10
10. Ekfalck A, Appelgren LE, Funkquist B, Jones B, Obel N. Distribution of labelled cysteine and methionine in the matrix of the stratum medium of the wall and in the laminar layer of the equine hoof. Zentralbl Veterinarmed A. 1990 37: 481-91.

11. Duplessis M, Lapierre H, Ouattara B, Bissonnette N, Pellerin D, Laforest JP, Girard CL. Whole-body propionate and glucose metabolism of multiparous dairy cows receiving folic acid and vitamin B12 supplements. *J Dairy Sci.* 2017 100: 8578-8589
12. Fraser, RDB. and MacRae TP. 1980. Molecular structure and mechanical properties of keratins. *The Mechanical Properties of Biological Materials* Pp.: 211–246 in. Vincent JF and Currey D. ed. Cambridge University Press, Cambridge, UK
13. Faulkner MJ, Wenner BA, Soden LM, Weiss WP. 2017 Source of supplemental dietary copper, zinc, and manganese affects fecal microbial relative abundance in lactating dairy cows. *J Dairy Sci.* 100:1037-1044
14. Garner HE, Coffman JR, Hahn AW, Hutcheson DP, Tumbleson ME. Equine laminitis of alimentary origin: an experimental model. *Am J Vet Res.* 1975 36: 441-4
15. Gao ST, Guo J, Quan SY, Nan XM, Fernandez MV, Baumgard LH, Bu DP. The effects of heat stress on protein metabolism in lactating Holstein cows. *J Dairy Sci.* 2017 100: 5040-9
16. Gomez A, Bernardoni N, Rieman J, Dusick A, Hartshorn R, Read DH, Socha MT, Cook NB, Döpfer D. A randomized trial to evaluate the effect of a trace mineral premix on the incidence of active digital dermatitis lesions in cattle. *J Dairy Sci.* 2014 97: 6211-22
17. Hedges J, Blowey RW, Packington AJ, O'Callaghan CJ, Green LE. A longitudinal field trial of the effect of biotin on lameness in dairy cows. *J Dairy Sci.* 2001. 84:1969-75
18. Hendry KA, MacCallum AJ, Knight CH, Wilde CJ. Laminitis in the dairy cow: a cell biological approach. *J Dairy Res.* 1997 64: 475-86.
19. Heringstad B, Egger-Danner C, Charfeddine N, Pryce JE, Stock KF, Kofler J, Sogstad AM, Holzhauer M, Fiedler A, Müller K, Nielsen P, Thomas G, Gengler N, de Jong G, Ødegård C, Malchiodi F, Miglior F, Alsaad M, Cole JB. Invited review: Genetics and claw health: Opportunities to enhance claw health by genetic selection. *J Dairy Sci.* 2018 pii: S0022-0302(18)30207-8
20. Keen CL, Zidenberg-Cherr S. Manganese. 1996. Pages 334–343 in *Present Knowledge in Nutrition.* 7th ed. E. E. Ziegler and L. J. Filer, Jr., ed. ILSI Press, Washington, DC.
21. Kellon EM, 2008, Feeding the hoof.
<http://www.naturalhorsetrim.com/FEEDING%20THE%20HOOF,%20Dr.%20Kellon.pdf>

22. Kluenter AM and Steinburg W. 1993. Influence of biotin supplementation on the concentration of biotin in the blood plasma and milk of dairy cows. *Proc. Soc. Nutr. Physiol.* 1:67
23. Lean IJ, Golder HM, Hall MB. Feeding, evaluating, and controlling rumen function. *Vet Clin North Am Food Anim Pract.* 2014 30:539-75
24. Li S, Khafipour E, Krause DO, Kroeker A, Rodriguez-Lecompte JC, Gozho GN, Plaizier JC. Effects of subacute ruminal acidosis challenges on fermentation and endotoxins in the rumen and hindgut of dairy cows. *J Dairy Sci.* 2012 95: 294-303
25. Lischer ChJ, Koller U, Geyer H, Mülling Ch, Schulze J, Ossent P. Effect of therapeutic dietary biotin on the healing of uncomplicated sole ulcers in dairy cattle--a double blinded controlled study. *Vet J.* 2002 163:51-60
26. Moore, CL, Walker PM, Winter JR, Jones MA and Webb JM. Zinc methionine supplementation for dairy cows. *Trans. Illinois Acad. Sci.* 1989. 82:99-108
27. Mülling C, Budras KD. In: *Proceedings of the 10th International Symposium on Lameness in Ruminants:* 1998; Lucerne. Lischer CJ, Ossent P, editor. 2006. *Influence of environmental factors on horn quality of the bovine hoof;* pp. 214–215
28. Mülling C. 2000. The use of nutritional factors in prevention of claw diseases-Biotin as an example for nutritional influences on formation and quality of hoof horn. Pp.: 78–80 in 11th Int. Symp. on Dis. of Rum. Digit. Mortellaro CM, De Vecchis L and Brizzi A, eds. Parma, Italy.
29. Newsome R, Green MJ, Bell NJ, Chagunda MGG, Mason CS, Rutland CS, Sturrock CJ, Whay HR, Huxley JN. Linking bone development on the caudal aspect of the distal phalanx with lameness during life. *J. Dairy Sci.* 2016 99: 4512-4525
30. Nocek JE, Johnson AB, Socha MT. Digital characteristics in commercial dairy herds fed metal-specific amino acid complexes. *J. Dairy Sci.* 2000. 83:1553–1572
31. NRC: Nutrient Requirements of Dairy Cattle: Seventh Revised Edition, 2001. <https://www.nap.edu/read/9825/chapter/1>
32. Ouweltjes W, Holzhauer M, van der Tol PP, van der Werf J. 2009. Effects of two trimming methods of dairy cattle on concrete or rubber-covered slatted floors. *J Dairy Sci.* 92: 960-71.

33. Palmer MA, O'Connell NE. Digital Dermatitis in Dairy Cows: A Review of Risk Factors and Potential Sources of Between-Animal Variation in Susceptibility. *Animals* (Basel). 2015; 5:512-35.
34. Plaizier JC, Li S, Tun HM, Khafipour E. Nutritional Models of Experimentally-Induced Subacute Ruminal Acidosis (SARA) Differ in Their Impact on Rumen and Hindgut Bacterial Communities in Dairy Cows. *Front Microbiol*. 2017; 7: 2128
35. Santschi DE, Berthiaume R, Matte JJ, Mustafa AF, Girard CL. Fate of supplementary B-vitamins in the gastrointestinal tract of dairy cows. *J Dairy Sci*. 2005; 88: 2043-54.
36. Seck M, Linton JA, Allen MS, Castagnino DS, Chouinard PY, Girard CL. Apparent ruminal synthesis of B vitamins in lactating dairy cows fed diets with different forage-to-concentrate ratios. *J Dairy Sci*. 2017; 100:1914-1922
37. Somers JG, Frankena K, Noordhuizen-Stassen EN, Metz JH. Prevalence of claw disorders in Dutch dairy cows exposed to several floor systems. *J Dairy Sci*. 2003; 86:2082-93
38. Telezenko E, Bergsten C, Magnusson M, Ventorp M, Nilsson C. Effect of different flooring systems on weight and pressure distribution on claws of dairy cows. *J Dairy Sci*. 2008; 91:1874-84
39. Telezenko E, Lidfors L, Bergsten C. Dairy cow preferences for soft or hard flooring when standing or walking. *J Dairy Sci*. 2007; 90:3716-24
40. Thoefner MB, Pollitt CC, Van Eps AW, Milinovich GJ, Trott DJ, Wattle O, Andersen PH. Acute bovine laminitis: a new induction model using alimentary oligofructose overload. *J Dairy Sci*. 2004; 87: 2932-40
41. Toussaint Raven, E. 1977. *Klaauwverzorging bij het Rund*, Uitgave: De Uithof, Utrecht
42. van der Spek D, van Arendonk JA, Bovenhuis H. Genetic relationships between claw health traits of dairy cows in different parities, lactation stages, and herds with different claw disorder frequency. *J Dairy Sci*. 2015; 98:6564-71
43. van der Waaij EH, Holzhauer M, Ellen E, Kamphuis C, de Jong G. Genetic parameters for claw disorders in Dutch dairy cattle and correlations with conformation traits. *J Dairy Sci*. 2005; 88:3672-8
44. van Vuuren A.M. How absolute are nutrition and health relationships in dairy cattle, ESVCN Meeting, Utrecht, The Netherlands. (11-13 September, 2014).

45. Vermunt, J.J. Herd lameness: a review, major causal factors, and guidelines for prevention and control. In: Proc. of the 13th Int. symp. and 5lh Conf. on Lameness in Ruminants. 11th -15th Feb. 2004 Maribor, Slovenija. pp 1-15
46. Vermunt J.J. and Greenough, P.R. Predisposing factors of laminitis in cattle. Br Vet J. 1994. 150, 151-64. Review
47. Wedekind KJ, Hortin AE and Baker DH. 1992. Methodology for assessing zinc bioavailability: Efficacy estimates for zinc-methionine, zinc sulfate and zinc oxide. J. Anim. Sci. 70:178-187
48. Zimmerly CA, Weiss WP. Effects of supplemental dietary biotin on performance of Holstein cows during early lactation. J Dairy Sci. 2001 84: 498-506