

BIBLIOGRAFÍA

- Babu, L. K., H. N. Pandey, and A. Sahoo. 2004. Effect of individual versus group rearing on ethological and physiological responses of crossbred calves. *Appl. Anim. Behav. Sci.* 87:177–191. <https://doi.org/10.1016/j.aplanim.2004.01.006>.
- Babu, L. K., H. Pandey, R. C. Patra, and A. Sahoo. 2009. Hematobiochemical changes, disease incidence and live weight gain in individual versus group reared calves fed on different levels of milk and skim milk. *Anim. Sci. J.* 80:149–156. <https://doi.org/10.1111/j.1740-0929.2008.00620.x>.
- Costa, J. H. C., R. R. Daros, M. A. G. von Keyserlingk, and D. M. Weary. 2014. Complex social housing reduces food neophobia in dairy calves. *J. Dairy Sci.* 97:7804–7810.
- Costa J, Keyserlingk M A G V, Weary D M. 2016. Invited review: Effects of group housing of dairy calves on behavior, cognition, performance, and health. *Journal of Dairy Science*, 99, 2453–2467.
- Chua, B., E. Coenen, J. Van Delen, and D. M. Weary. 2002. Effects of pair versus individual housing on the behavior and performance of dairy calves. *J. Dairy Sci.* 85:360–364. [https://doi.org/10.3168/jds.S0022-0302\(02\)74082-4](https://doi.org/10.3168/jds.S0022-0302(02)74082-4).
- De Paula Vieira A., M. A. G. von Keyserlingk, and D. M. Weary. 2010. Effects of pair versus single housing on performance and behavior of dairy calves before and after weaning from milk. *J. Dairy Sci.* 93:3079–3085.
- De Paula Viera A, de Passille A M, Weary D M. 2012. Effects of the early social environment on behavioral responses of dairy calves to novel events. *Journal of Dairy Science*, 95, 5149–5155.
- Duve, L. R., and M. B. Jensen. 2011. The level of social contact affects social behaviour in pre- weaned dairy calves. *Appl. Anim. Behav. Sci.* 135:34–43. <https://doi.org/10.1016/j.aplanim.2011.08.014>.
- Færrevik G, Jensen M B, Bøe K E. 2006. Dairy calves' social preferences and the significance of a companion animal during separation from the group. *Applied Animal Behaviour Science*, 99, 205–221.
- Grant, R. J., and J. L. Albright. 2001. Effect of animal grouping on feeding behavior and intake of dairy cattle. *J. Dairy Sci.* 84: E156–E163. [https://doi.org/10.3168/jds.S0022-0302\(01\)70210-X](https://doi.org/10.3168/jds.S0022-0302(01)70210-X).
- Grignard L, Boissy A, Boivin X, Garel J P, Neindre P L. 2000. The social environment influences the behavioural responses of beef cattle to handling. *Applied Animal Behaviour Science*, 68, 1–11.
- Herrmann, J., and U. Knierim. 1999. Auswirkungen der Tranketechnik auf das Sozialverhalten zwei bis acht Wochen alter Mastkalber in Gruppenhaltung (Effects of different feeding techniques on the social behaviour from two to eight weeks old veal calves in group housing). *Aktuelle Arbeiten zur artgemassen Tierhaltung* 38:130–136.
- Horvath, K. C., and E. K. Miller-Cushon. 2018. Characterizing social behavior, activity, and associations between cognition and behavior upon social grouping of weaned dairy calves. *J. Dairy Sci.* 101:7287–7296. <https://doi.org/10.3168/jds.2018-14545>.
- Jensen M B, Vestergaard K S, Krohn C C, Munksgaard L. 1997. Effect of single versus group housing and space allowance on responses of calves during open-field tests. *Applied Animal Behaviour Science*, 54, 109–121.
- Kertz, A. F., T. T. M. Hill, J. D. Quigley III, A. J. Heinrichs, J. G. Linn, and J. K. Drackley. 2017. A 100-year review: Calf nutrition and management. *J. Dairy Sci.* 100:10151–10172.
- Lidfors, L., and L. Isberg. 2003. Intersucking in dairy cattle—Review and questionnaire. *Appl. Anim. Behav. Sci.* 80:207–231.



Lindner E, Gingerich KN, Miller-Cushon E. 2021. Effects of early social contact on dairy calf response to initial social grouping and regrouping. *J. Dairy Sci.* 104:10090–10099 <https://doi.org/10.3168/jds.2021-20435>.

Liu, S.; Ma, J.; Li, J.; Alugongo, G.M.; Wu, Z.; Wang, Y. 2019. Effects of Pair Versus Individual Housing on Performance, Health, and Behavior of Dairy Calves. *Animals*, 10, 50.

Louise H, Margit B J, Leif L J. 2002. Calves' motivation for access to two different types of social contact measured by operant conditioning. *Applied Animal Behaviour Science*, 79, 175–194.

Mattiello, S., E. Canali, V. Ferrante, M. Cianiatti, F. Gottardo, G. Cozzi, I. Andrighetto, and M. Verga. 2002. The provision of solid feeds to veal calves: II. Behavior, physiology, and abomasal damage. *J. Anim. Sci.* 80:367–375.

Meagher, R. K., R. R. Daros, J. H. Costa, M. A. G. von Keyserlingk, M. J. Hötzl, and D. M. Weary. 2015. Effects of degree and timing of social housing on reversal learning and response to novel objects in dairy calves. *PLoS One* 10:e0132828. <https://doi.org/10.1371/journal.pone.0132828>.

Nogues, E., B. Lecours, D. M. Weary, and M. A. G. von Keyserlingk. 2020. Individual variability in response to social stress in dairy heifers. *Animals (Basel)* 10:1440. <https://doi.org/10.3390/ani10081440>.

O'Driscoll, K., M. A. G. von Keyserlingk, and D. M. Weary. 2006. Effects of mixing on drinking and competitive behavior of dairy calves. *J. Dairy Sci.* 89:229–233. [https://doi.org/10.3168/jds.S0022-0302\(06\)72087-2](https://doi.org/10.3168/jds.S0022-0302(06)72087-2).

Ollivett, TL, 2020. How Does Housing Influence Bovine Respiratory Disease in Dairy and Veal Calves?. *Vet Clin Food Anim* 36 (2020) 385–398 <https://doi.org/10.1016/j.cvfa.2020.03.012> [vetfood.theclinics.com 0749-0720/20/a 2020 Elsevier Inc.](https://www.sciencedirect.com/science/article/pii/S0749-07202000012)

Perttu RK, Ventura BA, Endres MI. 2020. Youth and adult public views of dairy calf housing options. *J Dairy Sci.* 103:8507–17. doi: 10.3168/jds.2019-17727.

Raussi, S., A. Boissy, E. Delval, P. Pradel, J. Kaihilahti, and I. Veissier. 2005. Does repeated regrouping alter the social behaviour of heifers? *Appl. Anim. Behav. Sci.* 93:1–12. <https://doi.org/10.1016/j.applanim.2004.12.001>.

Schapiro, S. J., P. N. Nehete, J. E. Perlman, and K. J. Sastry. 2000. A comparison of cell-mediated immune responses in rhesus macaques housed singly, in pairs, or in groups. *Appl. Anim. Behav. Sci.* 68:67–84. [https://doi.org/10.1016/S0168-1591\(00\)00090-3](https://doi.org/10.1016/S0168-1591(00)00090-3).

Takeda K, Sato S, Sugawara K. 2003. Familiarity and group size affect emotional stress in Japanese Black heifers. *Applied Animal Behaviour Science*, 82, 1–11.

Vasseur, E., F. Borderas, R. I. Cue, D. Lefebvre, D. Pellerin, J. Rushen, K. M. Wade, and A. M. De Passillé. 2010. A survey of dairy calf management practices in Canada that affect animal welfare. *J. Dairy Sci.* 93:1307–1316. <https://doi.org/10.3168/jds.2009-2429>.

Whalin, L., D. M. Weary, and M. A. G. von Keyserlingk. 2018. Pair housing dairy calves in modified calf hutches. *J. Dairy Sci.* 101:5428–5433. <https://doi.org/10.3168/jds.2017-14361>.

