

**COMPREHENSIVE DAIRY PUBLICATION LIST (1997-2008)**

*Updated January 2008*

**Animal Welfare Program Refereed Dairy Publications**

2008 / In Press

1. Budzynska, M. and Weary, D.M. In Press. Weaning distress in dairy calves: effects of alternative weaning procedures. *Appl. Anim. Behav. Sci.*
2. De Paula Vieira, A., Guesdon, V., de Passillé, A.M., von Keyserlingk, M.A.G., and Weary, D.M. 2008. Behavioral indicators of hunger in dairy calves. *Appl. Anim. Behav. Sci.* 109:180-189.
3. Hosseinkhani, A., DeVries, T.J., Proudfoot, K.L., Valizadeh, R., Veira, D.M. and von Keyserlingk, M.A.G. 2008. The effects of feed bunk competition on the feed sorting behavior of close-up dry cows. *J. Dairy Sci.* 91:1115-1121.
4. Jasper, J., Budzynska, M., and Weary, D.M. 2008. Weaning distress in dairy calves: acute behavioral responses by limit-fed calves. *Appl. Anim. Behav. Sci.* 110:136-143.
5. Jensen, M.B., de Passille, A.M., von Keyserlingk, M.A.G. and Rushen, J. 2008. A barrier can reduce competition over teats in pair-housed milk-fed calves. *J. Dairy Sci.* 91: 1607-1613.
6. Valizadeh, R., D.M. Veira, and M.A.G. von Keyserlingk. 2008. Behavioural Responses by Dairy Cows Provided Two Hays of Contrasting Quality at Dry-Off. *Appl. Anim. Behav. Sci.* 109:190-200.
7. Val-Laillet, D, de Passillé, A.M., Rushen, J., and von Keyserlingk, M.A.G. In Press. The concept of social dominance and the social distribution of feeding-related displacements between cows. *Appl. Anim. Behav. Sci.*
8. von Keyserlingk, M.A.G., Olenick, D. and Weary, D.M. 2008. Acute behavioral effects of regrouping dairy cows. *J. Dairy Sci.* 91:1011-1016.
9. Weary, D.M., J. Jasper, and M.J. Hötzel. 2008. Understanding weaning distress. Invited Review. *Appl. Anim. Behav. Sci.* 110:24-41.

2007

10. Borderas, F., von Keyserlingk, M.A.G., Weary, D.M., Rushen, J., de Passille, A.M. and Van Amburgh, M. E. 2007. The effects of force-feeding sick dairy calves: A comment on Quigley et al. (2006). Letter to the Editor. *J. Dairy Sci.* 90: 3567-3568.
11. Chapinel, N., Veira, D.M., Weary, D.M., and von Keyserlingk, M.A.G. 2007. Validation of a feeding behavior and feed intake system. *J. Dairy Sci.* 90:5732-5736.
12. DeVries, T.J., Beauchemin, K.A., and von Keyserlingk, M.A.G. 2007. Dietary forage concentration affects the feed sorting behavior of lactating dairy cows. *J. Dairy Sci.* 90: 5572-5579.
13. DeVries, T.J., Vankova, M., Veira, D.M., and von Keyserlingk, M.A.G. 2007. Usage of mechanical brushes by lactating dairy cows. *J. Dairy Sci.* 90:2241-2245.
14. Flower, F.C., de Passillé, A.M., Weary, D.M., Sanderson, D.J. and Rushen, J. 2007. Softer, higher-friction flooring improves gait of cows with and without sole ulcers *J. Dairy Sci.* 90: 1235-1242.
15. Fregonesi, J.A., Tucker, C.B., and Weary, D.M. 2007. Overstocking reduces lying time in dairy cattle. *J. Dairy Sci.* 90:3349-3354.

16. Fregonesi, J.A., Veira, D.M., von Keyserlingk, M.A.G., and Weary, D.M. 2007. Effects of Bedding Quality on Lying Behavior of Dairy Cows. *J. Dairy Sci.* 90: 5468-5472.
17. Hernandez-Mendo, O., von Keyserlingk, M.A.G., Veira, D.M., and Weary, D.M. 2007. Effects of pasture on lameness in dairy cows. *J. Dairy. Sci.* 90:1209-1214.
18. Huzzey, J.A., Veira, D.M., Weary, D.M., and von Keyserlingk, M.A.G. 2007. Prepartum behavior and dry matter intake identify dairy cows at risk for metritis. *J. Dairy Sci.* 90:3220-3233.
19. Johnson-Van Wieringen, L. M., Harrison, J. H., Davidson, D., Swift, M.L., von Keyserlingk, M.A.G., Vazquez-Anon, M.A., Wright, D. and Chalupa, W. 2007. Effects of rumen undegradable protein sources and supplemental 2-hydroxy-4-(methylthio)-butanoic acid and lysine-HCL on lactation performance in dairy cows. *J. Dairy Sci.* 90: 5176-5188.
20. von Keyserlingk, M.A.G. and Weary, D.M. 2007. Maternal behavior in cattle. Invited review. *Hormones and Behav.* 52: 106-113.

## 2006

1. DeVries, T. J. and von Keyserlingk, M.A.G. 2006. Feed stalls affect the social and feeding behavior of lactating dairy cows. *J. Dairy Sci.* 89: 3522-3531.
2. Flower, F.C., Sanderson, D.J. and Weary, D.M. 2006. Effects of milking on dairy cow gait. *J. Dairy Sci.* 89: 2084-2089.
3. Flower, F. C. and Weary, D.M. 2006. Effect of hoof pathologies on subjective assessments of dairy cow gait. *J. Dairy Sci.* 89: 139-146.
4. Fraser, D. 2006. Animal welfare assurance programs in food production: A framework for assessing the options. *Anim. Welfare* 15: 93-104.
5. Grout, A.S., Veira, D.M., Weary, D.M., von Keyserlingk, M.A.G., and Fraser, D. 2006. Differential effects of sodium and magnesium sulfate on water consumption by beef cattle. *J. Anim. Sci.* 84: 1252-1258.
6. Hänninen, L., Løvendahl, P., de Passillé, A.M. and Rushen, J. 2006. The effect of floor type or relocation on calves' pulsatile growth hormone and cortisol secretion. *Acta Agr. Scand. A-An.* 56:99-108.
7. Huzzey, J. M., DeVries, T. J., Valois, P., and von Keyserlingk, M.A.G. 2006. Stocking density and feed barrier design affect the feeding and social behavior of dairy cattle. *J. Dairy Sci.* 89:126-133.
8. Müller, R. and von Keyserlingk, M.A.G. 2006. Consistency of flight speed and its correlation to productivity and to personality in *Bos taurus* beef cattle. *Appl. Anim. Behav. Sci.* 99:193-204.
9. Neveux, S., Weary, D.M., Rushen, J., von Keyserlingk, M.A.G. and de Passillé, A. M. 2006. Hoof discomfort changes how dairy cattle distribute their body weight. *J. Dairy Sci.* 89:2503-2509.
10. O'Driscoll, K., von Keyserlingk, M.A.G. and Weary, D.M. 2006. Effects of mixing on drinking and competitive behavior of dairy calves. *J. Dairy Sci.* 89: 229-233.
11. Paton, L.J., Beauchemin, K.A., Veira, D.M. and von Keyserlingk, M.A.G. 2006. Effects of sodium bicarbonate provided free choice or incorporated into a high grain diet on reducing the risk of acidosis in cattle. *Can. J. Anim. Sci.* 86: 429-437.
12. de Passillé, A.M. and Rushen, J. 2006. Calves' behaviour during nursing is affected by feeding motivation and milk availability. *Appl. Anim. Behav. Sci.* 101:264-275.

13. Rushen, J. and de Passillé, A. M. B. 2006. Effects of roughness and compressibility of flooring on cows' locomotion. *J. Dairy Sci.* 89: 2965-2972.
14. Tucker, C.B., Weary, D.M., de Passillé, A.M., Campbell, B. and Rushen, J. 2006. Type of flooring in front of the feed bunk affects feeding behavior and use of freestalls by dairy cows. *J. Dairy Sci.* 89: 2065-2071.
15. Tucker, C.B., Weary, D.M. and Zdanowicz, M. 2006. Effect of brisket boards on freestall preference and use. *J. Dairy Sci.* 89: 2603-2607.
16. von Keyserlingk, M.A.G., Wolf, F., Hötzel, M., and Weary, D.M. 2006. Effects of continuous versus periodic milk availability on behavior and performance of dairy calves. *J. Dairy Sci.* 89: 2126-2131.
17. Weary, D.M., Niel, L., Flower, F.C., Fraser, D. 2006. Identifying and preventing pain in animals. *Appl. Anim. Behav. Sci.* 100: 64-76. 100:64-76.

#### 2005

1. DeVries, T. J., von Keyserlingk, M.A.G., and Beauchemin, K.A. 2005. Frequency of feed delivery affects the behavior of lactating dairy cows. *J. Dairy Sci.* 88: 3553-3562.
2. DeVries, T.J., von Keyserlingk, M.A.G. 2005. Time of fresh feed delivery affects the feeding and lying patterns of dairy cows. *J. Dairy Sci.* 88:625-631.
3. Drissler, M., Gaworski, M., Tucker, C.B., and Weary, D.M. 2005. Freestall maintenance: changes in bedding over time and the effects on lying behavior of dairy cattle. *J. Dairy Sci.* 88:2381-2387.
4. Endres, M.I., DeVries, T.J., von Keyserlingk, M.A.G. and Weary, D.M. 2005. Effect of feed barrier design on the behavior of loose-housed lactating dairy cows. *J. Dairy Sci.* 88:2377-2380.
5. Flower, F.C., Sanderson, D.J. and Weary, D.M. 2005. Hoof pathologies influence kinematic measures of dairy cow gait. *J. Dairy Sci.* 88:3166-3173.
6. Hänninen, L., de Passillé, A.M. and Rushen, J. 2005. The effect of flooring type and social grouping on the rest and growth of dairy calves. *Appl. Anim. Behav. Sci.* 91: 193-204.
7. Huzzey, J.M., von Keyserlingk, M.A.G. and Weary, D.M. 2005. Changes in feeding, drinking, and standing behavior of dairy cows during the transition period. *J. Dairy Sci.* 88:2454-2461.
8. de Passillé, A.M. and Rushen, J. 2005. Can we measure human-animal interactions in on-farm animal welfare assessment? Some unresolved issues. *Appl. Anim. Behav. Sci.* 92:193-209.
9. Tucker, C.B., Weary, D.M. and Fraser, D. 2005. Influence of neck-rail placement on free-stall preference, use, and cleanliness. *J. Dairy Sci.* 88: 2730-2737.
10. Urton, G., von Keyserlingk, M.A.G., and Weary, D.M. 2005. Feeding behavior identifies dairy cows at risk for metritis. *J. Dairy Sci.* 88: 2843-2849.
11. Vickers, K.J., Niel, L., Kiehlbauch, L.M., Weary, D.M. 2005. Calf response to caustic paste and hot-iron dehorning using sedation with and without local anesthetic. *J. Dairy Sci.* 88: 1454-1459.

#### 2004

1. Borderas T. F., Pawluczuk, B. de Passillé, A.M. and Rushen J. 2004. Claw Hardness of Dairy Cows: Relationship to Water Content and Claw Lesions. *J. Dairy Sci.* 87: 2085-2093.

2. Ceballos, A., Sanderson, D., Rushen, J., and Weary, D.M. 2004. Improving stall design: Use of 3-D kinematics to measure space use by cows when lying down. *J. Dairy Sci.* 87: 2042-2050.
3. DeVries, T.J., von Keyserlingk, M.A.G., and Weary, D.M. 2004. Effect of feeding space on the inter-cow distance, aggression, and feeding behavior of free-stall housed Holstein dairy cows. *J. Dairy Sci.* 87:1432-1438.
4. Fregonesi, J.A., Tucker, C.B., Weary, D.M., Flower, F.C. and Vittie, T. 2004. Effect of rubber flooring in front of the feed bunk on the time budgets of dairy cattle. *J. Dairy Sci.* 87:1203-1207.
5. Negrao, J., Porcionato, M.A., de Passillé, A.M., and Rushen, J. 2004. Cortisol in saliva and plasma of cattle after ACTH administration and milking. *J. Dairy Sci.* 87: 1713-1718.
6. Pinheiro Machado, L.C., Teixeira, D L., Weary, D.M., von Keyserlingk, M.A.G. and Hötzel, M.J. 2004. Designing better water troughs: dairy cows prefer and drink more from larger troughs. *Appl. Anim. Behav. Sci.* 89: 185-193.
7. Tucker, C.B., and Weary, D.M. 2004. Sawdust bedding on geotextile mattresses: how much is needed to improve cow comfort? *J. Dairy Sci.* 87: 2889-2895
8. Tucker, C.B., Weary, D.M. and Fraser, D. 2004. Freestall dimensions: effects on preferences and stall usage. *J. Dairy Sci.* 87:1208-1216.
9. von Keyserlingk, M.A.G., Brusius, L., Weary, D.M. 2004. Competition for teats and feeding behavior by group-housed dairy calves. *J. Dairy Sci.* 87: 4190-4194.
10. Welp, T., Rushen, J., Kramer, D.L., Festa-Bianchet, M., and de Passillé, A.M. 2004. Vigilance as a measure of fear in dairy cattle. *Appl. Anim. Behav. Sci.* 87:1-13.
11. Wredle, E., Rushen, J., de Passillé, A. M. and Munksgaard, L. 2004. Training cattle to approach a feed source in response to auditory signals. *Can. J. Anim. Sci.* 84: 567-572.
12. Zdanowicz, M., Shelford, J.A., Tucker, C.B., Weary, D.M. and von Keyserlingk, M.A G. 2004. Bacterial populations on teat ends of dairy cows housed in free stalls and bedded with either sand or sawdust. *J. Dairy Sci.* 87:1694-1701.

### 2003

1. DeVries, T.J., von Keyserlingk, M.A.G. and Beauchemin, K.A. 2003. Diurnal feeding pattern of lactating dairy cows. *J. Dairy Sci.* 86:4079-4082.
2. DeVries, T.J., von Keyserlingk, M.A.G., Weary, D.M. and Beauchemin, K.A. 2003. Validation of a system for monitoring feeding behavior of dairy cows. *J. Dairy Sci.* 86:3571-3574.
3. DeVries, T.J., von Keyserlingk, M.A.G., Weary, D.M., and Beauchemin, K.A. 2003. Measuring the feeding behavior of lactating dairy cows in early to peak lactation. *J. Dairy Sci.* 86:3354-3361.
4. Flower, F. and Weary, D.M. 2003. The effects of early separation of the dairy cow and calf. *Anim. Welfare* 12: 339-348.
5. Fraser, D. 2003. Assessing animal welfare at the farm and group level: the interplay of science and values. *Anim. Welfare* 12: 433-443.
6. Langford, F.M., Weary, D.M. and Fisher, L. 2003. Antibiotic resistance in gut bacteria from dairy calves: a dose response to the level of antibiotics fed in milk. *J. Dairy Sci.* 86:3963-3966.

7. Pajor, E.A., Rushen, J., and De Passillé, A.M. 2003. Dairy cattle choice of handling treatments in a Y-maze. *Appl. Anim. Behav. Sci.* 80: 93-107.
8. Rybarczyk, P., Rushen, J. and de Passillé, A.M. 2003. Recognition of people by dairy calves using color of clothing. *Appl. Anim. Behav. Sci.* 81: 307-319.
9. Tucker, C.B., Weary, D.M. and Fraser, D. 2003. Effects of three types of free-stall surfaces on preferences and stall usage by dairy cows. *J. Dairy Sci.* 86:521-52.

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1. Ceballos, A., and Weary, D.M. 2002. A note on the effects of a food reward on improving entrance to the parlor. *Appl. Anim. Behav. Sci.* 77: 249-254.
2. Chua, B., Coenen, E., van Delen, J. and Weary, D.M. 2002. Effects of pair versus individual housing on the behavior and performance of dairy calves. *J. Dairy Sci.* 85: 360-364.
3. Hänninen, L., Hepola, H., Rushen, J., de Passillé, A.M., Pursiainen, P., Tuure, V-M., Syrjälä-Qvist, L. Pyykkönen, M., and Saloniemi, H. 2002. Resting behaviour, growth and health of young dairy calves housed individually or in groups in warm or cold buildings. *Acta Agr. Scand. A-An.* 53: 21-28
4. Jasper, J., Weary, D.M. 2002. Effects of ad libitum milk intake on dairy calves. *J. Dairy Sci.* 85: 3054-3058.
5. Manninen, E., de Passillé, A.M., Rushen, J., Norring, M. and Saloniemi, H. 2002. Preferences of dairy cows kept in unheated loose house for different kind of cubicle flooring. *Appl. Anim. Behav. Sci.* 75: 281-292.
6. Marchant-Forde, J.N., Marchant-Forde, R.M., Weary, D.M. 2002. Responses of dairy cows and calves to each other's vocalizations after early separation. *Appl. Anim. Behav. Sci.* 78: 19-28.
7. Tom, E.M., Rushen, J., Duncan, I.J.H., and de Passillé, A.M. 2002. Behavioral, health and cortisol responses of young calves to tail docking using a rubber ring or docking iron. *Can. J. Anim. Sci.* 82: 1-9.
8. Veissier, I., de Passillé, A.M., Després, G., Rushen, J., Charpentier, I., Ramirez de la Fe, A.R, and Pradel, P. 2002. Does nutritive and non-nutritive sucking reduce other oral behaviors and stimulate rest in calves? *J. Anim. Sci.* 80: 2574-2587.

#### 2001

1. Anonymous, 2001. Scientists' assessment of the impact of housing and management on animal welfare. Inter-institutional Collaborative Paper. *J. Appl. Anim. Welfare Sci.* 4:3-52.
2. Appleby, M.C., Weary, D.M., and Chua, B. 2001. Performance and feeding behavior of calves on ad libitum milk from artificial teats. *Appl. Anim. Behav. Sci.* 74:191-201.
3. Fraser, D. 2001a. Farm animal production: Changing agriculture in a changing culture. *J. Appl. Anim. Welfare Sci.* 4: 175-190.
4. Fraser, D. 2001b. The A New Perception of animal agriculture: legless cows, featherless chickens, and a need for genuine analysis. *J. Anim. Sci.* 79: 634-641.
5. Flower, F. and Weary, D. 2001. Effects of early separation on the dairy cow and calf: 2. Separation at 1 day and 2 weeks after birth. *Appl. Anim. Behav. Sci.* 70: 275-284.

6. Haley, D.B., Rushen, J., de Passillé, A.M. 2001. Assessing Cow Comfort: Effects of Flooring and Tie Stall Design on the Behaviour of Lactating Dairy Cows. *Appl. Anim. Behav. Sci.* 71:105-117.
7. Munksgaard, L., De Passillé, A.M., Rushen, J., Herskin, M.S., and Kristensen A.M. 2001. Dairy cows' fear of people: social learning, milk yield and behaviour at milking. *Appl. Anim. Behav. Sci.* 73:15-26.
8. de Passillé, A.M. 2001. Sucking motivation and related problems in calves. *Appl. Anim. Behav. Sci.* 72:175-186.
9. Rushen, J. 2001. Assessing the welfare of dairy cattle. Invited review. *J. Appl. Anim. Welfare Sci.* 4:223-234.
10. Rushen, J., Munksgaard, L., Marnet, P.G., de Passillé, A.M. 2001. Human contact and the effects of acute stress on cows at milking. *Appl. Anim. Behav. Sci.* 73:1-14.
11. Rybarczyk, P., Kobe, Y., Rushen, J., Tanida, H., de Passillé, A.M. 2001. Can cows recognize people by their faces? *Appl. Anim. Behav. Sci.* 74:175-189.
12. Thomas, T.J., Weary, D.M., and Appleby, M.C. 2001. Newborn and 5-week-old calves vocalize in response to milk deprivation. *Appl. Anim. Behav. Sci.* 74:165-173.
13. Tucker, C.B., Fraser, D. and Weary, D.M. 2001. Tail docking dairy cattle: effects on cow cleanliness and udder health. *J. Dairy Sci.* 84: 84-87.
14. Veissier I., Boissy A., de Passillé A.M. , Rushen J., van Reenen C.G., Roussel S. , Andanson S., Pradel, P. 2001. Calves' responses to repeated social regrouping and relocation. *J. Anim. Behav. Sci.* 79:2580-2593.

#### 2000

1. Faulkner, P. and Weary, D.M. 2000. Reducing pain after dehorning in dairy calves. *J. Dairy Sci.* 83, 2037-2041.
2. Haley, D., Rushen, J., and de Passillé, A.M. 2000. Behavioral indicators of cow comfort: activity and resting behaviour of dairy cows in two types of housing. *Can. J. Anim. Behav. Sci.* 80:257-263.
3. Pajor, E.A., Rushen, J. and de Passillé, A.M.B. 2000. Aversion learning techniques to evaluate dairy cattle handling practices. *Appl. Anim. Behav. Sci.* 69:89-102.
4. Weary, D. and Chua, B. 2000. Effects of early separation on the dairy cow and calf: 1. Separation at 6 h, 1 day and 4 days after birth. *Appl. Anim. Behav. Sci.* 69: 177-188.
5. Weary, D.M. and Taszkun, I. 2000. Hock lesions and free-stall design. *J. Dairy Sci.* 83: 697-702.

#### 1999

1. Munksgaard, L., Rushen, J., de Passillé, A.M. 1999. Dairy cows' use of colour cues to discriminate between people. *Appl. Anim. Behav. Sci.* 65:1-11.
2. Rushen, J., Boissy, A., Terlouw, E.C.M., de Passillé, A.M.B. 1999. Opioid peptides and dairy cows' behavioral and physiological responses to social isolation in unfamiliar surroundings. *J. Anim. Behav. Sci.* 77:2918-2924.
3. Rushen, J., Munksgaard, L., de Passillé, A.M. 1999. Fear of people by cows and its effects on milk yield, behavior and heart rate at milking. *J. Dairy Sci.* 82:720-727.

4. Veissier, I., Rushen, J., Collwell, D. de Passillé, A.M.B. 1999. A laser based method for measuring thermal nociception of cattle. *Appl. Anim. Behav. Sci.* 66, 289-304.

#### 1998

1. Haley, D., Rushen, J., Duncan, I., Widowski, T. and de Passillé, A.M.B. 1998. Butting by calves (*Bos taurus*) and rate of milk flow. *Anim. Behav.* 56:1545-1551.
2. Haley, D., Rushen, J., Duncan, I., Widowski, T., de Passillé, A.M. 1998. Effects of resistance to milk flow and provision of hay on nonnutritive sucking by dairy calves. *J. Dairy Sci.* 81:2165-2172.
3. Rushen, J. and de Passillé, A.M. 1998. Behavior, welfare and productivity of dairy cattle. *Can. J. Anim. Sci.* 78(Supplement):3-21.
4. Rushen, J., Munksgaard, L., de Passillé, A.M., Thodberg, K. and Jensen, M.B. 1998. Location of handling and dairy cows' responses to people. *Appl. Anim. Behav. Sci.* 55:259-267.
5. Schwartzkopf-Genswein, K.S., Stookey, J.J., de Passille, A.M. and Rushen, J. 1997. Comparison of hot-iron and freeze branding on cortisol levels and pain sensitivity in beef cattle. *Can. J. Anim. Sci.* 77:369-374.
6. Munksgaard, L., de Passillé, A.M., Rushen, J., Thodberg, K. and Jensen, M.B. 1997. Discrimination of people by dairy cows based on handling. *J. Dairy Sci.* 80:1106-1112.
7. de Passillé, A.M. and Rushen, J. 1997. Motivational and physiological analysis of the causes and consequences of non-nutritive sucking by calves. *Appl. Anim. Behav. Sci.* 53:15-31.
8. de Passillé, A. M. and Rushen. J. 1997. Components of milk eliciting non-nutritive sucking in the calf. *Appl. Anim. Behav. Sci.* 53:167-174.

### **Animal Welfare Program Dairy-Related Books and Book Chapters (1997-2006)**

#### 2008

1. Fraser, D. In Press. *Understanding Animal Welfare: Science in its cultural context.* Blackwell Publishing, Oxford.

#### 2007

1. Rushen, J.A. de Passille, A.M., von Keyserlingk, M.A.G., and Weary, D.M. 2007. *Welfare of Cattle.* Springer, Heidelberg Germany.

#### 2006

1. Edwards, S.A., English, P.R., and Fraser, D. 2006. Animal Welfare. Pages 1065-1073 in B.E. Straw, J.J. Zimmerman, S. D'Allaire and D.J. Taylor (editors) *Diseases of Swine, 9<sup>th</sup> Edition,* Blackwell Publishing, Oxford.
2. Fraser, D. 2006. Caring for farm animals: pastoralist ideals in an industrialized world. In: Paul Waldau and Kimberley Patton (editors), *A Communion of Subjects: Animals in Religion, Science and Ethics.* Columbia University Press, New York.
3. Fraser, D. 2006. *Animal welfare and the intensification of animal production: an alternative interpretation.* Readings in Ethics Series, United Nations Food and Agriculture Organization, Rome.

#### 2005

1. Fraser, D. and Weary, D.M. 2005. Applied animal behavior and animal welfare. Pages 345-

366 in J.J. Bolhuis and L.-A. Giraldeau (editors), *The Behavior of Animals: Mechanisms, Function and Evolution*, Blackwell Scientific, Oxford

#### 2004

1. Fraser, D. and Weary D.M. 2004. Quality of life for farm animals: linking science and ethics. In: *The Well-Being of Farm Animals: Challenges and Solutions* (Ed. by G. J. Benson and B.E. Rollins). Iowa State Press, Ames, pp. 39-60.
2. Weary D.M. and Fraser, D. 2004. Rethinking painful management procedures. In: *The Well-Being of Farm Animals: Challenges and Solutions* (Ed. by G. J. Benson and B.E. Rollins). Iowa State Press, Ames, pp. 325-338.

#### 2003

1. Lund, V. and Weary, D.M. 2003. Understanding animal behaviour and its use in organic animal husbandry. In: *Animal Health and Welfare in Organic Agriculture* (Ed. by M. Vaarst, S. Roderick, V. Lund and W. Lockeretz). CABI, Wallingford , U.K. pp. 95-110.

#### 2002

1. Fraser, D. and Weary, D.M. 2002. Applied animal behaviour and animal welfare. In: *Principles of Animal Behaviour*, J.J. Bolhuis and L.-A. Giraldeau (editors), Blackwell Scientific, Oxford.
2. Fraser, D. and Weary, D.M. 2002. Quality of life for farm animals: linking science, ethics and animal welfare. In: *Improving the well-being of Farm Animals*, B. Rollin and J. Benson (editors), Iowa State University Press, Ames.
3. Preece. R. and Fraser, D. (editors) 2002. *Dix Harwood's "Love for animals and how it developed in Great Britain", 1928*. Edwin Mellen Press, Lampeter.
4. Weary, D.M. and Fraser, D. 2002. Pain management in farm animals. In: *Improving the well-being of Farm Animals*, B. Rollin and J. Benson (editors), Iowa State University Press, Ames.
5. Weary, D.M. and Fraser, D. 2002. Social and reproductive behaviour. Pages 65-77 in: *The Ethology of Domestic Animals: An Introductory Text*, P. Jensen (editor), CAB International, Wallingford, UK.

#### 2001

1. Fraser, D. 2001. Foreword. Pages iii-v in *An Essay on Humanity to Animals (1798)* by Thomas Young; edited, introduced and annotated by Rod Preece. Edwin Mellen Press, Lewiston NY.
2. Fraser, D., Mench, J. and Millman, S. 2001. Farm animals and their welfare in 2000. Pages 87-99 in: *State of the Animals 2001*, D.J. Salem and A.N. Rowan (editors). Humane Society Press, Washington DC.
3. Knierim, U., Carter, C.S., Fraser, D., Gartner, K., Lutgendorf, S.K. Mineka, S., Panksepp, J. and Sachser, N. 2001. Good welfare: improving quality of life. Pages 79-100 in: *Coping with Challenge: Welfare in Animals including Humans*, D.M. Broom (editor), Dahlem Workshop Report 87. Dahlem University Press, Berlin.

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## **Animal Welfare Program Dairy-Related Non-Refereed Publications (1997-2006)**

(book reviews abstracts, conference proceedings, popular press articles, other publications)

### 2006

1. Fraser, D. 2006. Book review of *Physiology and Behaviour of Animal Suffering*, by N. Gregory. *Appl. Anim. Behav. Sci.*
2. Fraser, D. 2006. Book review of *Animal Welfare: Limping towards Eden*, by John Webster. *Anim. Welfare*.
3. Huzzey, J., DeVries, T. and von Keyserlingk, M. Improving access through feed bunk design and management. *UBC Dairy Research Reports*. Vol. 6 No 2 2006.
4. Drissler, M., Gaworski, M., Tucker, C., and Weary, D. Cow comfort and stall maintenance. *UBC Dairy Research Reports*. Vol 6 No 1 March 2006.

### 2005

1. DeVries, T. and von Keyserlingk, M. 2005. How many times a day should you feed your cows? *UBC Dairy Research Reports*. Vol 5 No 3 Oct 2005.
2. Fraser, D. 2005. Farm animals get more respect. *AnimalSense* 6(2): 21.
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5. Rushen, J.; de Passillé, A. M. and Bilodeau, P. (2005) Le rôle du plancher de l'étable dans la santé et le confort des vaches. *Le Producteur de Lait Québécois*. Mars 2005; 25 (6) 36-37.
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