Lameness in Dairy Cattle: current production vs. 5% lameness score 2/5

Current Production — Iron toward including hazards

Welfare Principle	Welfare Criterion	Measure	Expert 1 Worst	Expert 1 Best	Expert 1 Score	Expert 2 Worst	Expert 2 Best	Expert 2 Score	Expert 3 Worst	Expert 3 Best	Expert 3 Score	Expert 4 Worst	Expert 4 Best	Expert 4 Score	Expert 5 Worst	Expert 5 Best	Expert 5 Score	Expert 6 Worst	Expert 6 Best	Expert 6 Score	Expert 7 Worst	Expert 7 Best	Expert 7 Score	Expert 8 Worst	Expert 8 Best	Expert 8 Score	Expert 9 Worst	Expert 9 Best	Expert 9 Score	Expert 10 Worst	Expert 10 Best	Expert 10 Score	Expert 11 Worst	Expert 11 Best	Expert 11 Score	Expert 12 Worst	Expert 12 Best	Expert 12 Score	Expert 13 Worst	Expert 13 Best	Expert 13 Score	Overall Score	Mean per Principle
Good feeding	1	Provision and access to food: Animals should have appropriate access to the quantity and quality of food needed to maintain a high standard of health and welfare.				50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50.00
	2	Provision and access to water: Animals should have appropriate access to the quantity and quality of water to maintain good health and wellbeing.				90	60	90	70	50	90	90	60	90	80	70	90	65	55	80	60	60	80	85	75	90	60	50	80	60	45	80	60											74.00	
Good housing	3	Animals should have comfort when resting.				60	60	90	60	40	70	70	60	90	60	50	80	50	40	80	50	40	80	25	60	90	50	50	80	50	50	80	50	80	50	80	50	80	50	80	50	80	50	80	49.50	42.50
	4	Animals should have thermal comfort during shelter and not too cold.				80	70	90	60	40	70	70	60	90	70	50	90	55	50	80	60	50	80	80	70	90	60	50	70	70	50	90	60	80	50	80	50	80	50	80	50	80	49.50	
Good housing	5	Animals should have sufficient space to move freely.				55	55	80	60	40	70	70	55	80	60	40	70	60	40	80	55	30	70	40	30	70	40	30	70	40	30	70	40	80	50	80	50	80	50	80	50	80	50	80	49.00	
Good health	6	Animals should be free from injuries and disorders (e.g. skin conditions, lameness, bone fractures etc.)				40	30	70	25	15	55	65	50	75	60	40	90	40	30	80	45	35	65	50	40	90	40	30	80	20	10	30	20	80	50	80	50	80	50	80	50	80	50	80	40.50	42.50
	7	Animals should have comfort during handling, treatment, conditions, with high standards of health care and hygiene.				40	30	70	15	10	40	60	50	75	60	40	90	40	30	80	40	20	60	55	40	90	30	20	80	20	10	30	20	80	50	80	50	80	50	80	50	80	50	80	34.50	
	8	Animals should not suffer pain - for example as a result of poor management, handling, surgical or veterinary procedures.				50	40	70	15	5	25	65	50	75	65	50	75	60	40	80	60	40	70	40	30	70	50	40	80	25	15	35	30											44.00	
Appropriate behaviour	9	Animals should be able to express normal, non-harmful social behaviours (such as grooming and social bonding).				60	50	80	50	30	80	80	60	80	60	50	75	50	20	80	20	0	50	50	40	80	60	50	70	50	40	80	60	80	50	80	50	80	50	80	50	80	50	80	46.50	46.00
	10	Animals should be able to express other normal behaviours (e.g. foraging, exploration).				50	50	70	55	40	60	70	50	80	60	40	70	60	50	80	40	20	60	40	30	70	50	40	80	25	10	40	30											52.50	
	11	Animals should be handled well with positive and not negative emotional states.				65	50	80	60	40	70	70	65	80	80	60	90	65	50	80	60	40	70	40	30	70	50	40	80	50	30	70	50											54.00	
	12	Animals should have a negative emotionally covered state in relation to the balance between positive and negative affective states for animals.				75	60	85	50	40	60	70	55	85	80	60	90	50	20	80	30	20	40	50	40	60	50	40	60	50	30	70	50											45.00	
Mean value			**0.00**	0.00	0.00	**61.25**	50	79.17	**47.50**	34.17	59.58	**70.45**	57.27	79.64	**63.62**	45.35	77.92	**53.96**	37.73	67.73	**63.27**	27.27	62.27	**57.50**	40.67	79.58	**50.00**	38.33	63.33	**56.17**	21.35	90.43	**58.75**	0.00	0.00	**0.00**	0.00	0.00	**0.00**	0.00	0.00	**51.08**	53.03	

5% lameness score 2/5 — Iron toward including hazards

Welfare Principle	Welfare Criterion	Measure	Expert 1 Worst	Expert 1 Best	Expert 1 Score	Expert 2 Worst	Expert 2 Best	Expert 2 Score	Expert 3 Worst	Expert 3 Best	Expert 3 Score	Expert 4 Worst	Expert 4 Best	Expert 4 Score	Expert 5 Worst	Expert 5 Best	Expert 5 Score	Expert 6 Worst	Expert 6 Best	Expert 6 Score	Expert 7 Worst	Expert 7 Best	Expert 7 Score	Expert 8 Worst	Expert 8 Best	Expert 8 Score	Expert 9 Worst	Expert 9 Best	Expert 9 Score	Expert 10 Worst	Expert 10 Best	Expert 10 Score	Expert 11 Worst	Expert 11 Best	Expert 11 Score	Expert 12 Worst	Expert 12 Best	Expert 12 Score	Expert 13 Worst	Expert 13 Best	Expert 13 Score	Overall Score	Mean per Principle
Good feeding	1	Provision and access to food: Animals should have appropriate access to the quantity and quality of food needed to maintain a high standard of health and welfare.				70	50	90	50	30	80	80	50	90	50	30	70	50	30	70	50	30	70	50	30	70	50	30	70	50	30	70	50	30	70	50	30	70	50	30	70	50	49.50	49.00
	2	Provision and access to water: Animals should have appropriate access to the quantity and quality of water to maintain good health and wellbeing.				62	40	95	60	40	90	95	65	90	80	70	90	70	40	90	70	50	90	70	60	80	70	50	90	60	40	80	70	60	90	60	40	80	70	60	90	60	79.00	
Good housing	3	Animals should have comfort when resting.				70	40	70	70	50	70	85	75	95	60	40	80	60	40	80	70	50	90	60	40	70	65	50	70	60	40	80	60	50	90	60	40	80	60	50	90	60	59.00	62.50
	4	Animals should have thermal comfort during shelter and not too cold.				85	70	95	65	45	75	75	60	90	70	50	90	60	40	80	70	50	90	70	50	90	70	50	90	70	50	90	70	50	90	70	50	90	70	50	90	70	67.50	
Good housing	5	Animals should have sufficient space to move freely.				60	50	80	70	50	75	70	50	80	60	40	70	60	40	80	55	35	75	60	40	80	60	40	80	55	35	75	60	40	80	60	40	80	60	40	80	60	65.00	
Good health	6	Animals should be free from injuries and disorders (e.g. skin conditions, lameness, bone fractures etc.)				55	50	90	65	45	75	85	70	95	60	40	80	60	40	80	55	35	75	60	40	80	60	40	80	55	35	75	60	40	80	60	40	80	60	40	80	60	65.50	59.85
	7	Animals should have comfort during handling, treatment, conditions, with high standards of health care and hygiene.				60	40	75	50	30	70	80	60	90	60	40	80	50	30	70	50	30	70	50	30	70	50	30	70	50	30	70	50	30	70	50	30	70	50	30	70	50	54.00	
	8	Animals should not suffer pain - for example as a result of poor management, handling, surgical or veterinary procedures.				65	50	75	45	40	60	80	75	90	65	50	75	70	50	80	65	45	75	60	40	80	60	50	70	50	30	70	50	30	70	50	30	70	50	30	70	50	60.00	
Appropriate behaviour	9	Animals should be able to express normal, non-harmful social behaviours (such as grooming and social bonding).				65	50	80	60	50	70	85	75	95	62	50	75	60	30	90	25	0	50	60	40	80	70	60	80	50	30	70	50	30	70	50	30	70	50	30	70	50	56.50	59.50
	10	Animals should be able to express other normal behaviours (e.g. foraging, exploration).				60	50	70	70	50	70	80	60	90	65	45	70	50	40	80	50	30	70	50	40	80	50	30	70	40	25	70	45											61.00	
	11	Animals should be handled well with positive and not negative emotional states.				68	50	80	75	55	90	75	65	90	80	60	90	70	50	90	45	25	65	60	40	80	70	50	90	60	40	80	60	40	80	65	50	80	60	40	80	60	63.00	
	12	Animals should have a negative emotionally covered state in relation to the balance between positive and negative affective states for animals.				75	60	85	60	50	70										50	30	70				60	50	70	50	30	70	50	30	70	50	30	70	50	30	70	50	57.86	
Mean value			**0.00**	0.00	0.00	**69.58**	53.35	81.67	**65.00**	52.27	81.82	**79.95**	62.08	78.33	**62.92**	45.42	77.92	**60.00**	40.42	80.83	**49.09**	33.18	69.09	**72.08**	56.25	84.58	**60.83**	52.75	80.83	**55.75**	38.75	81.42	**52.92**	0.00	0.00	**0.00**	0	0.00	**0.00**	0.00	0.00	**63.46**	65.62	