BEEF CATTLE

Scenario 1 - Current beef with current lameness levels

Welfare principles	Welfare criteria (0 = Lowest level of welfare; 100 = Highest level of welfare)	Expert 1 Current production Second Round Score	Expert 2 Current production Second Round Score	Expert 3 Current production Second Round Score	Expert 4 Current production Second Round Score	Expert 5 Current production Second Round Score	Expert 6 Current production Second Round Score	Expert 7 Current production Second Round Score	Expert 8 Current production Second Round Score	Expert 9 Current production Second Round Score	Expert 10 Current production Second Round Score	Expert 11 Current production Second Round Score	Expert 12 Current production Second Round Score	Expert 13 Current production Second Round Score	Criteria Mean Scenario 1	Mean per Principle
Good feeding	1 Provision and access to food. Animals should have appropriate access to the quantity and quality of appropriate foodstuffs for health and wellbeing.	40	60	60	50	50	55	70	65	60	60	60		60	61.67	71.33
	2 Provision and access to water. Animals should have appropriate access to the quantity and quality of water for health and wellbeing.	77	80	80	80	80	85	85	85	85	80	80		75	81.00	
Good housing	3 Animals should have comfort when resting.	45	60	60	50	50	65	80	70	50	60	65		60	61.25	64.17
	4 Animals should have thermal comfort being neither too hot nor too cold.	60	70	60	65	65	75	70	67	70	70	75		65	67.67	
	5 Animals should have sufficient space to move freely.	68	50	70	65	55	70	70	65	55	65	70		60	63.58	
Good health	6 Animals should be free from injuries and disorders (e.g. skin conditions, lameness, bone fractures etc.).	55	50	60	60	50	70	65	60	55	60	65		55	58.75	59.08
	7 Animals should be free from disease, including metabolic conditions, with high standards of health care and hygiene.	62	60	60	60	45	70	70	50	55	55	50		60	58.08	
	8 Animals should not suffer pain - for example as a result of poor management, handling, surgical or other procedures, slaughter etc.	60	60	70	45	60	70	60	65	60	65	55		55	60.42	
Appropriate behaviour	9 Animals should be able to express normal, non-harmful social behaviours (such as grooming and social bonding).	68	50	70	50	45	70	75	47	50	55	65		65	59.17	57.74
	10 Animals should be able to express other normal behaviours (e.g. foraging, exploring).	68	60	70	45	50	60	55	52	60	60	65		55	58.33	
	11 Animals should be handled well with positive and not negative animal-human relationships.	55	50	50	60	40	80	70	50	55	70	45		60	56.25	
	12 Additional aspects not already adequately covered above in relation to the balance between positive and negative affective states for animals.	62	50	70	60	40		65	50		55	60		60	57.20	
	Mean value	63.33	58.33	65.00	57.50	52.92	71.36	69.58	60.50	60.00	62.92	63.33	#DIV/0!	60.00	61.95	63.08

Scenario 2 - Beef production with 3% prevalence lameness mobility scores 2/3

Welfare principles	Welfare criteria (0 = Lowest level of welfare; 100 = Highest level of welfare)	Expert 1 3% Cases 2/3 Second Round Score	Expert 2 3% Cases 2/3 Second Round Score	Expert 3 3% Cases 2/3 Second Round Score	Expert 4 3% Cases 2/3 Second Round Score	Expert 5 3% Cases 2/3 Second Round Score	Expert 6 3% Cases 2/3 Second Round Score	Expert 7 3% Cases 2/3 Second Round Score	Expert 8 3% Cases 2/3 Second Round Score	Expert 9 3% Cases 2/3 Second Round Score	Expert 10 3% Cases 2/3 Second Round Score	Expert 11 3% Cases 2/3 Second Round Score	Expert 12 3% Cases 2/3 Second Round Score	Expert 13 3% Cases 2/3 Second Round Score	Criteria Mean Scenario 2	Mean per Principle
Good feeding	1 Provision and access to food. Animals should have appropriate access to the quantity and quality of appropriate foodstuffs for health and wellbeing.	68	70	60	60	65	75	80	75	70	65	75		65	69.58	77.71
	2 Provision and access to water. Animals should have appropriate access to the quantity and quality of water for health and wellbeing.	80	85	85	85	85	90	90	95	90	85	86		80	86.33	
Good housing	3 Animals should have comfort when resting.	70	70	70	55	70	65	85	80	55	65	75		68	69.00	68.72
	4 Animals should have thermal comfort being neither too hot nor too cold.	65	60	65	65	67	80	70	80	75	75	78		70	71.58	
	5 Animals should have sufficient space to move freely.	70	55	75	65	65	70	75	53	55	70	75		65	66.08	
Good health	6 Animals should be free from injuries and disorders (e.g. skin conditions, lameness, bone fractures etc.).	68	60	60	75	60	75	70	75	65	75	68		58	69.08	67.25
	7 Animals should be free from disease, including metabolic conditions, with high standards of health care and hygiene.	68	70	65	60	50	70	85	80	55	58	60		65	65.50	
	8 Animals should not suffer pain - for example as a result of poor management, handling, surgical or other procedures, slaughter etc.	68	65	80	45	65	75	63	85	65	73	60		62	67.17	
Appropriate behaviour	9 Animals should be able to express normal, non-harmful social behaviours (such as grooming and social bonding).	75	55	75	55	47	75	80	77	52	60	68		68	65.58	63.45
	10 Animals should be able to express other normal behaviours (e.g. foraging, exploring).	75	65	75	55	52	65	60	65	65	65	68		62	64.33	
	11 Animals should be handled well with positive and not negative animal-human relationships.	55	60	60	62	50	75	70	83	55	75	50		58	62.75	
	12 Additional aspects not already adequately covered above in relation to the balance between positive and negative affective states for animals.	68	60	75	60	50					55	60		61	61.13	
	Mean value	69.17	65.00	72.50	61.83	60.50	74.09	75.27	77.09	63.64	68.42	68.25	#DIV/0!	65.17	68.09	69.28

	Point difference b/w Current practice and castration with pain relief (Scenario 1 and 2)	Expert 1 Current vs 3% & MS 2/3 Second Round Score	Expert 2 Current vs 3% & MS 2/3 Second Round Score	Expert 3 Current vs 3% & MS 2/3 Second Round Score	Expert 4 Current vs 3% & MS 2/3 Second Round Score	Expert 5 Current vs 3% & MS 2/3 Second Round Score	Expert 6 Current vs 3% & MS 2/3 Second Round Score	Expert 7 Current vs 3% & MS 2/3 Second Round Score	Expert 8 Current vs 3% & MS 2/3 Second Round Score	Expert 9 Current vs 3% & MS 2/3 Second Round Score	Expert 10 Current vs 3% & MS 2/3 Second Round Score	Expert 11 Current vs 3% & MS 2/3 Second Round Score	Expert 12 Current vs 3% & MS 2/3 Second Round Score	Expert 13 Current vs 3% & MS 2/3 Second Round Score	Difference b/w Criteria 1 and 2 criteria means
1	Provision and access to food. Animals should have appropriate access to the quantity and quality of appropriate foodstuffs for health and wellbeing.	5		5	10		5	10	10	5	5	5			7
2	Provision and access to water. Animals should have appropriate access to the quantity and quality of water for health and wellbeing.	3		5	5		5	5	10	5	5	6			5
3	Animals should have comfort when resting.	5		10	5		0	5	10	5	5	10			8
4	Animals should have thermal comfort being neither too hot nor too cold.	5		5	0		5	0	13	5	5	3			3
5	Animals should have sufficient space to move freely.	2		5	0		0	5	-12	0	5	5			2
6	Animals should be free from injuries and disorders (e.g. skin conditions, lameness, bone fractures etc.).	13		20	15		5	5	15	10	15	3			10
7	Animals should be free from disease, including metabolic conditions, with high standards of health care and hygiene.	6		5	0		0	15	30	0	3	10			7
8	Animals should not suffer pain - for example as a result of poor management, handling, surgical or other procedures, slaughter etc.	8		10	0		5	3	20	5	8	13			7
9	Animals should be able to express normal, non-harmful social behaviours (such as grooming and social bonding).	7		5	5		5	5	30	2	5	3			6
10	Animals should be able to express other normal behaviours (e.g. foraging, exploring).	7		5	10		5	5	13	5	5	3			6
11	Animals should be handled well with positive and not negative animal-human relationships.	0		10	2		-5	0	33	0	5	5			7
12	Additional aspects not already adequately covered above in relation to the balance between positive and negative affective states for animals.	6		5	0		0	-55	-50	0	0	0			4
															84.85

Criteria Mean Scenario 1	Difference b/w Criteria 1 and 2 criteria means
45.55	4
78.56	2
67.78	3
67.22	2
82.78	0
40.00	0
54.44	2
45.55	5
70.00	1
71.11	2
47.78	7
67.00	-5
84.85	1