

1 Table 1. Animal-based measures included in the Welfare Quality® assessment systems in growing pigs on 95
 2 farms and sows on 99 farms, if not stated otherwise.

Measure	Definition (¹ growing pigs ² sows)	Growing pigs (n=95 farms)			Sows (n=103 farms)				
		Farms affected ³	Percentiles ⁴			Farms affected ³	Percentiles ⁴		
			5 th	50 th	95 th		5 th	50 th	95 th
Mortality, 1 year	not including culling or euthanasia	94%	0.0	0.8	1.9	86%	0.0	2.6	8.0
Body condition, score 1	spine, hip and pin bones ¹ visible ² palpable or ² obese	13%	0.0	0.0	2.3	69%	0.0	4.4	17.8
Body condition, score 2	hip or back bones prominent					7%	0.0	0.0	2.2
Bursitis, score 1 (worst leg)	one large, >1 small bursae	93%	0.0	12.4	38.7	88%	0.0	10.0	31.4
Bursitis, score 2 (worst leg)	one extremely large, >1 large bursae	31%	0.0	0.0	3.1	30%	0.0	0.0	5.0
Shoulder sores, score 1	beginning, old or healing					68%	0.0	10.0	40.0
Shoulder sores, score 2	open lesion					21%	0.0	0.0	12.5
Manure on body, score 1	¹ 20-50% ² 10-30% of body soiled	92%	0.0	5.0	19.0	87%	0.0	7.5	31.8
Manure on body, score 2	¹ > 50% ² >30% of body soiled	32%	0.0	0.0	10.6	25%	0.0	0.0	12.5
Lameness, score 1	minimum weight bearing	28%	0.0	0.0	1.7	14%	0.0	0.0	3.4
Lameness, score 2	no weight bearing	5%	0.0	0.0	0.7	0%	0.0	0.0	0.0
Wounds, score 1	see Welfare Quality, 2009	59%	0.0	0.8	10.3	71%	0.0	5.0	17.5
Wounds, score 2	see Welfare Quality, 2009	16%	0.0	0.0	2.1	24%	0.0	0.0	10.0
Tail lesions, score 1	superficial lesion	56%	0.0	0.8	10.3				
Tail lesions, score 2	blood, swelling or worse	31%	0.0	0.0	4.6				
Vulva lesions, score 1	healing lesion >2 cm or deformed					26%	0.0	0.0	8.3
Vulva lesions, score 2	bleeding injury >2 cm					1%	0.0	0.0	0.0
Coughing	¹ per animal and 5 minutes ² evidence	55%	0.0	0.0	0.1	2%	0.0	0.0	0.0
Sneezing	¹ per animal and 5 minutes ² evidence	85%	0.0	0.0	0.1	6%	0.0	0.0	0.9
Pumping	laboured breathing	0%				1%	0.0	0.0	0.0
Twisted snout		1%	0.0	0.0	0.0				
Rectal prolapse		1%	0.0	0.0	0.0	0%			
Scouring	liquid manure present ¹ pen level ² sow level	0%	0.0	0.0	0.0	1%	0.0	0.0	0.0
Constipation	hard faeces (lactating sows)					7%	0.0	0.0	10.0
Skin condition, score 1	some, <10% inflamed, discoloured					11%	0.0	0.0	3.3
Skin condition, score 2	> 10% inflamed, discoloured etc	22%	0.0	0.0	3.2	2%	0.0	0.0	0.0
Local infections, score 1	swelling, no inflammation, small abscess					57%	0.0	2.5	10.0
Local infections, score 2	>1 small or >5 cm or open abscess					17%	0.0	0.0	6.7
Metritis	vulval discharge					17%	0.0	0.0	5.0
Mastitis	inflamed udder					3%	0.0	0.0	0.0
Uterine prolapse						1%	0.0	0.0	0.0
Hernia, score 1	not bleeding or affecting gait	60%	0.0	0.9	4.4	1%	0.0	0.0	0.0
Hernia, score 2	bleeding or affecting gait	1%	0.0	0.0	0.0	0%	0.0	0.0	0.0
Shivering	observed	0%							
Slaughter rejections, 1 year	rejected % of slaughtered pigs								
pneumonia		89%	0.0	0.9	8.2				
pleuritis		96%	0.4	3.5	40.5				
pericarditis		20%	0.0	0.0	1.5				
white spots on liver		71%	0.0	0.8	11.8				
Panting	observed	0%				4%	0.0	0.0	0.0
Huddling	observed	0%				0%			
Negative social behaviour	% of all social behaviours	64%	0.0	0.5	5.3	43%	0.0	0.0	50.0
Explorative behaviour									
pen fittings	% of active behaviour	100%	6.0	29.4	68.7	96%	3.1	20.6	66.7
enrichment or toys	% of active behaviour	99%	1.9	19.4	50.9	91%	0.0	26.2	67.7
Stereotypies	observed in 15 s					76%	0.0	7.5	27.5
Fear of humans, score 1	² withdraws at touch					60%	0.0	10.0	45.0
Fear of humans, score 2	¹ panic in > 60% of animals in pen ² withdrawal at standing/crouching	41%	0.0	0.0	40	22%	0.0	0.0	20.0
QBA score (farm level) ⁵	see Welfare Quality, 2009		44.0	75.2	98.2		45.0	74.5	97.4

³If "farms affected" is empty, the measure is not collected in the category of animals ⁴Percentiles refer to the percentage of assessed individuals affected, if not stated otherwise ⁵The QBA score for sows includes suckling piglets as well

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