

1 Table 4. Comparison of results between assessments (within individual horses). Measures derived from
2 the stable management (i.e. not measured by assessor) are marked*. Measures where Kendall's tau
3 could not be calculated due to skewed scoring or lack of some scores are marked **. Means are
4 presented with standard deviation (SD) within brackets where applicable along with coefficient of
5 variance (CV). N/a for kappa means identical scores between assessments. Measures that were
6 considered reliable (over 85 % percentage agreement and or high kappa agreement) are marked with
7 ***.

Measure	Score distribution, mean (±SD)[CV]		Percentage agreement between assessments	95%; CI	Cohen's kappa (SE)	Kappa agreement	Kendall's tau	Paired t-test
	Assessment 1	Assessment 2						
BCS	Stable 1: 1 = 0 2 = 0 3 = 1 4 = 11 5 = 3 Stable 2: 1 = 0 2 = 0 3 = 18 4 = 2 5 = 0	Stable 1: 1 = 0 2 = 0 3 = 4 4 = 11 5 = 0 Stable 2: 1 = 0 2 = 1 3 = 18 4 = 1 5 = 0	76.5	58.8; 89.3	0.56 (0.14)	Moderate	0.9	n/a
Distance to adjacent feeding point***	Stable 1: 0 = 6 1 = 9 Stable 2: 0 = 11 1 = 11	Stable 1: 0 = 7 1 = 8 Stable 2: 0 = 12 1 = 10	83.3	67.2; 93.6	0.67 (0.17)	Substantial	n/a	n/a
Height of concentrate trough	Stable 1: 0.6 (±0.1) Stable 2: 0.9 (±0.0) Both stables: 0.8 (±0.2)[19.9 %]	Stable 1: 0.6 (±0.2) Stable 2: 0.9 (±0.0) Both stables: 0.8 (±0.2)[20.2 %]	n/a	n/a	n/a	n/a	n/a	Stable 1: P > 0.05 Stable 2: P < 0.01
Height of drinker in stable	Stable 1: 0.7 (±0.2) Stable 2: 1.1 (±0.1) Both stables: 0.9 (±0.2)[26.0 %]	Stable 1: 0.7 (±0.2) Stable 2: 1.1 (±0.0) Both stables: 0.9 (±0.2)[21.9 %]	n/a	n/a	n/a	n/a	n/a	Stable 1: P > 0.05 Stable 2: P > 0.05

Drinker function stable (automatic only)***	Stable 1: 0 = 10 1 = 0 Stable 2: 0 = 21 1 = 1	Stable 1: 0 = 15 1 = 0 Stable 2: 0 = 22 1 = 0	96.6	82.2; 99.9	n/a	n/a	n/a	n/a
Drinker flow (automatic only)***	Stable 1: 0 = 10 1 = 0 Stable 2: 0 = 22 1 = 0	Stable 1: 0 = 10 1 = 0 Stable 2: 0 = 22 1 = 0	96.6	82.2; 99.9	n/a	n/a	n/a	n/a
Cleanliness of drinker in stable	Stable 1: 0 = 3 1 = 12 2 = 0 Stable 2: 0 = 1 1 = 19 2 = 2	Stable 1: 0 = 1 1 = 9 2 = 5 Stable 2: 0 = 6 1 = 15 2 = 1	58.3	40.8; 74.5	0.05 (0.11)	Slight	0.44	n/a
Cleanliness of drinker in paddock	Stable 1: 0 = 1 1 = 13 2 = 0 Stable 2: 0 = 0 1 = 7 2 = 14	Stable 1: 0 = 0 1 = 0 2 = 14 Stable 2: 0 = 0 1 = 0 2 = 21	41.2	24.7; 59.3	0 (0)	Less than chance	0.5	n/a
Housing size	Stable 1: 6.3 (\pm 2.1) Stable 2: 7.3 (\pm 1.6) Both stables: 7.4 (\pm 2.0)[27.2 %]	Stable 1: 7.0 (\pm 2.3) Stable 2: 7.4 (\pm 1.6) Both stables: 7.8 (\pm 2.0)[27.2 %]	n/a	n/a	n/a	n/a	n/a	Stable 1: P > 0.05 Stable 2: P > 0.05
Sum of RH and T in stable	Stable 1: 0 = 0 1 = 15 Stable 2: 0 = 0 1 = 22	Stable 1: 0 = 3 1 = 12 Stable 2: 0 = 22 1 = 0	58.3	40.8; 74.5	n/a	n/a	n/a	n/a
Fresh air inlet	Stable 1: 0 = 0 1 = 0 2 = 15 Stable 2: 0 = 1 1 = 21 2 = 0	Stable 1: 0 = 0 1 = 0 2 = 15 Stable 2: 0 = 1 1 = 10 2 = 11	69.4	51.9; 83.7	0.4 (0.15)	Fair	0.79	n/a

Time in training	Stable 1: 11.7 (\pm 7.9) Stable 2: 14.8 (\pm 4.1)	Stable 1: 10.8 (\pm 5.3) Stable 2: 14.8 (\pm 4.1)	n/a	n/a	n/a	n/a	n/a	*
Housing type***	Stable 1: 0 = 0 1 = 4 2 = 11 Stable 2: 0 = 0 1 = 12 2 = 10	Stable 1: 0 = 0 1 = 6 2 = 9 Stable 2: 0 = 0 1 = 13 2 = 9	86.1	70.5; 95.3	0.72 (0.16)	Substantial	**	n/a
Ceiling height	Stable 1: 2.9 (\pm 0.1) Stable 2: 6.3 (\pm 1.8) Both stables: 5.0 (\pm 2.2)[44.2 %]	Stable 1: 2.9 (\pm 0.1) Stable 2: 6.1 (\pm 1.8) Both stables: 4.9 (\pm 2.2)[44.3 %]	n/a	n/a	n/a	n/a	n/a	Stable 1: P > 0.05 Stable 2: P > 0.05
Lameness	Stable 1: 0 = 10 1 = 5 2 = 0 Stable 2: 0 = 18 1 = 3 2 = 0	Stable 1: 0 = 13 1 = 2 2 = 0 Stable 2: 0 = 20 1 = 2 2 = 0	78.1	60.0; 90.7	0.11 (0.16)	Slight	**	n/a
Wounds***	Stable 1: 0 = 14 1 = 1 2 = 0 Stable 2: 0 = 16 1 = 6 2 = 0	Stable 1: 0 = 14 1 = 1 2 = 0 Stable 2: 0 = 17 1 = 5 2 = 0	91.4	76.9; 98.2	0.17 (4.0)	Slight	**	n/a
Paddock surface	Stable 1: 0 = 0 1 = 9 2 = 5 Stable 2: 0 = 19 1 = 0 2 = 2	Stable 1: 0 = 0 1 = 0 2 = 14 Stable 2: 0 = 21 1 = 0 2 = 0	67.7	49.5; 82.6	0.46 (0.11)	Moderate	0.89	n/a
Ocular discharge** *	Stable 1: 0 = 14 1 = 1 2 = 0 Stable 2:	Stable 1: 0 = 12 1 = 2 2 = 0 Stable 2:	88.9	73.9; 96.9	0.29 (0.12)	Fair	0.64	n/a

	0 = 19 1 = 0 2 = 1	0 = 18 1 = 2 2 = 0						
Mould	Stable 1: 0 = 11 1 = 4 2 = 0 Stable 2: 0 = 12 1 = 10 2 = 0	Stable 1: 0 = 12 1 = 4 2 = 4 Stable 2: 0 = 10 1 = 12 2 = 0	75	57.8; 87.9	0.54 (0.14)	Moderate	0.8	n/a
Skin condition	Stable 1: 0 = 14 1 = 1 Stable 2: 0 = 13 1 = 7	Stable 1: 0 = 13 1 = 2 Stable 2: 0 = 14 1 = 6	69.7	51.3; 84.4	0.18 (0.17)	Slight	**	n/a
Coat condition** *	Stable 1: 0 = 15 1 = 0 2 = 0 Stable 2: 0 = 20 1 = 0 2 = 0	Stable 1: 0 = 14 1 = 1 2 = 0 Stable 2: 0 = 20 1 = 0 2 = 0	97.1	84.7;99. 9	0 (0)	Slight	**	n/a
Equipment chafing	Stable 1: 0 = 14 1 = 1 2 = 0 Stable 2: 0 = 20 1 = 0 2 = 0	Stable 1: 0 = 14 1 = 1 2 = 0 Stable 2: 0 = 20 1 = 0 2 = 0	79.4	62.1; 91.3	-0.1 (0.15)	Slight	0.44	n/a
Rug cleanliness**	Stable 1: 0 = 12 1 = 0 Stable 2: 0 = 21 1 = 0	Stable 1: 0 = 10 1 = 2 Stable 2: 0 = 21 1 = 0	93.8	79.2; 99.2	0 (0)	Slight	**	n/a

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