SUPPLEMENTARY MATERIAL

What grass characteristics drive large herbivore feeding patch selection? A case study from a South African grassland protected area

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Table S1: The most parsimonious generalized linear mixed models representing the coefficients that are used to determine the log-odd ratios for feeding patch selection by black wildebeest and blue wildebeest at Telperion and Ezemvelo nature reserves, South Africa, 2018

Black wildebeest *m14*					**Blue wildebeest *m17***				
Coefficients:					Coefficients:				
	Estimate	Std. Error	z value	Pr(>|z|)		Estimate	Std. Error	z value	Pr(>|z|)
(Intercept)	-0.23	0.27	-0.85	0.40	(Intercept)	-0.17	0.22	-0.80	0.43
Green11-50%	0.25	0.22	1.09	0.28	Green11-50%	0.37	0.15	2.57	0.10
Green51-90%	0.52	0.27	1.90	0.06	Green51-90%	0.73	0.18	4.08	<0.01
Green91-100%	1.19	0.28	4.18	<0.01	Green91-100%	1.25	0.20	6.32	<0.01
Height6-10 cm	0.03	0.17	0.16	0.87	Burnt	-0.72	0.16	-4.57	<0.01
Height11-30 cm	-1.54	0.26	-6.04	<0.01	Wetland	2.05	0.41	4.97	<0.01
Height> 30cm	-1.34	0.44	-3.04	<0.01	Biomass	-0.03	0.01	-2.03	0.04
Burnt	-1.00	0.23	-4.44	<0.01	Height6-10 cm	-0.04	0.23	-0.18	0.85
Wetland	-0.26	0.59	-0.44	0.66	Height11-30 cm	-0.08	0.26	-0.29	0.77
Biomass	0.10	0.04	2.66	<0.01	Height> 30 cm	-0.14	0.37	-0.37	0.71
seasonEndOfWet	0.41	0.30	1.39	0.17	SeasonEndOfWet	-0.14	0.24	-0.57	0.57
seasonEarlyDry	0.83	0.23	3.56	<0.01	SeasonEarlyDry	1.60	0.28	5.68	<0.01
seasonMidDry	0.87	0.23	3.76	<0.01	SeasonMidDry	1.15	0.23	5.08	<0.01

biomass:seasonEndOfWet	-0.06	0.05	-1.31	0.19	Height6-10 cm:seasonEndOfWet	0.10	0.33	0.29	0.77
biomass:seasonEarlyDry	-0.20	0.04	-4.63	<0.01	Height11-30 cm:seasonEndOfWet	-0.03	0.31	-0.10	0.92
biomass:seasonMidDry	-0.18	0.04	-4.22	<0.01	Height> 30 cm:seasonEndOfWet	-0.11	0.39	-0.28	0.78
					Height6-10 cm:seasonEarlyDry	-0.27	0.40	-0.68	0.50
					Height11-30 cm:seasonEarlyDry	-3.45	0.36	-9.55	<0.01
					Height> 30 cm:seasonEarlyDry	-5.59	0.83	-6.73	<0.01
					Height6-10 cm:seasonMidDry	-0.32	0.33	-0.97	0.33
					Height11-30 cm:seasonMidDry	-2.61	0.33	-7.93	<0.01
					Height> 30 cm:seasonMidDry	-19.72	746.74	-0.03	0.98

Table S2: The most parsimonious generalized linear models representing the coefficients that are used to determine the log-odd ratios for feeding patch selection by red hartebeest and zebra at Telperion and Ezemvelo nature reserves, South Africa, 2018.

Red hartebeest *m14*					**Zebra *m13***				
Coefficients:					Coefficients:				
	Estimate	Std. Error	z value	Pr(>|z|)		Estimate	Std. Error	z value	Pr(>|z|)
(Intercept)	-3.43	0.65	-5.28	<0.01	(Intercept)	0.29	0.18	1.63	0.10
Green11-25%	1.04	0.32	3.38	<0.01	Height6-10cm	0.09	0.14	0.69	0.49
Green26-50%	1.40	0.34	4.10	<0.01	Height>11cm	-0.12	0.14	-0.83	0.41
Green51-75%	1.35	0.40	3.38	<0.01	Biomass	-0.04	0.01	-4.48	<0.01
Green76-90%	1.35	0.42	3.23	<0.01	Burnt	-0.31	0.18	-1.79	0.07
Green91-100%	1.38	0.44	3.13	<0.01	Wetland	1.72	0.34	5.06	<0.01
Height6-10cm	0.72	0.41	1.75	0.08	Green11-50%	0.13	0.18	0.73	0.47
Height>11cm	1.29	0.42	3.07	<0.01	Green51-90%	0.07	0.27	0.27	0.79
Burnt	0.39	0.53	0.72	0.47	Green91-100%	0.16	0.29	0.54	0.59
Wetland	1.58	0.67	2.37	0.02	SeasonEndOfWet	-0.11	0.29	-0.39	0.70
Biomass	0.13	0.04	2.84	<0.01	SeasonEarlyDry	-0.63	0.63	-1.00	0.32
SeasonEndOfWet	0.88	0.58	1.53	0.13	SeasonMidDry	-0.19	0.16	-1.21	0.23
SeasonEarlyDry	1.39	0.53	2.64	<0.01	Green11-50%:seasonEndOfWet	-0.02	0.33	-0.05	0.96
SeasonMidDry	2.58	0.55	4.71	<0.01	Green11-90%:seasonEndOfWet	0.10	0.39	0.25	0.80
Biomass:seasonEndOfWet	-0.11	0.05	-2.26	0.02	Green91-100%:seasonEndOfWet	0.05	0.39	0.13	0.90
Biomass:seasonEarlyDry	-0.16	0.05	-3.27	<0.01	Green11-50%:seasonEarlyDry	-0.13	0.66	-0.20	0.84
Biomass:seasonMidDry	-0.22	0.05	-4.18	<0.01	Green51-90%:seasonEarlyDry	1.49	0.70	2.13	0.03
					Green91-100%:seasonEarlyDry	1.56	0.71	2.18	0.03
					Green11-50%:seasonMidDry	0.56	0.26	2.16	0.03
					Green51-90%:seasonMidDry	1.36	0.63	2.16	0.03
					Green91-100%:seasonMidDry	-0.09	0.36	-0.26	0.80