

## Appendix 1.

**Table 2.6. The interaction between basal diet (BD) and ensiled grape marc (GM) level on performance and digestibility of Merino ewes.**

Item	Lucerne chaff			Oaten chaff			SEM*	<i>P-Value</i>		
	0	15	30	0	15	30		BD	GM	GM x BD
Final body weight, kg	44.99	44.00	49.11	45.19	49.14	46.77	0.753	0.50	0.28	0.13
<i>Treatment period (60 days)</i>										
Average daily gain, kg	0.141	0.157	0.176	0.136	0.157	0.141	0.136	0.82	0.59	0.62
Dry matter intake, kg	1.36	1.59	1.49	1.11	1.12	1.05	0.044	<0.01	0.30	0.38
Gain:Feed	0.107	0.102	0.117	0.123	0.146	0.136	0.011	0.27	0.92	0.87
<i>Metabolic crates (4 days)</i>										
Dry matter intake, kg	1.25	1.52	1.42	1.10	1.10	1.02	0.039	<0.01	0.19	0.14
Digestible energy intake, MJ/day	10.87	14.68	13.17	9.11	9.63	5.96	0.692	<0.01	0.16	0.15
Digestible dry matter intake, kg/day	0.606	0.749	0.675	0.510	0.490	0.320	0.035	<0.01	0.25	0.19
Digestibility of dry matter, %	48.58	50.66	46.95	46.47	45.59	32.49	2.41	0.14	0.28	0.54

\* Standard error of the mean.

**Table 2.7. The interaction between basal diet (BD) and ensiled grape marc (GM) level on nitrogen balance of Merino ewes.**

Item	Lucerne chaff			Oaten chaff			SEM*	<i>P-Value</i>		
	0	15	30	0	15	30		BD	GM	GM x BD
Nitrogen intake, g/day	38.20	40.41	37.06	14.71	15.91	15.34	1.93	<0.01	0.44	0.67
Absorbed nitrogen, g/day	25.47	23.95	20.33	6.03	5.97	3.22	1.58	<0.01	0.04	0.75
Retained nitrogen, g/day	7.09	8.45	5.84	2.27	2.47	-0.370	0.943	<0.01	0.43	0.94
Faecal nitrogen, g/day	12.73	16.46	16.73	8.68	9.94	12.18	0.662	<0.01	0.01	0.57
Urinary nitrogen, g/day	18.38	15.49	14.49	3.76	3.51	3.62	1.20	<0.01	0.46	0.53
Retained/Nitrogen intake	0.177	0.200	0.145	0.155	0.162	0.017	0.031	0.23	0.25	0.59
Retained/Absorbed nitrogen	0.252	0.342	0.257	0.341	0.241	-14.22	2.47	0.34	0.39	0.39

\* Standard error of the mean.

**Table 2.8. The interaction between basal diet (BD) and ensiled grape marc (GM) level on wool growth of Merino ewes in the last 30 days of treatment period.**

Item	Lucerne chaff			Oaten chaff			SEM*	<i>P-Value</i>		
	0	15	30	0	15	30		BD	GM	GM x BD
Dye-band weight, g	0.539	0.548	0.494	0.457	0.546	0.463	0.017	0.26	0.24	0.62
Dye-band length, mm	7.87	8.96	7.51	9.42	8.68	7.29	0.213	0.54	0.09	0.33
Fibre diameter, $\mu$	20.06	21.06	19.55	18.48	18.20	17.64	0.285	<0.01	0.20	0.52
Clean wool, g/cm <sup>2</sup>	3.38	3.26	2.79	2.42	2.03	2.03	0.125	<0.01	0.14	0.63

\* Standard error of the mean.