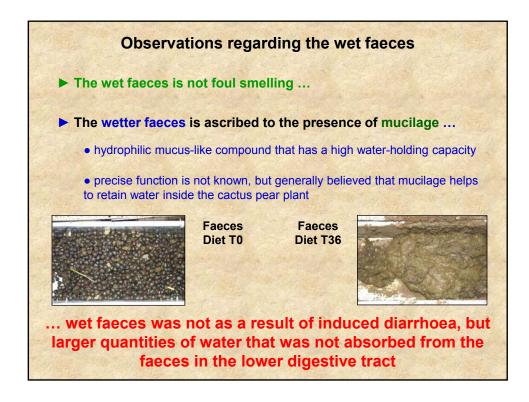


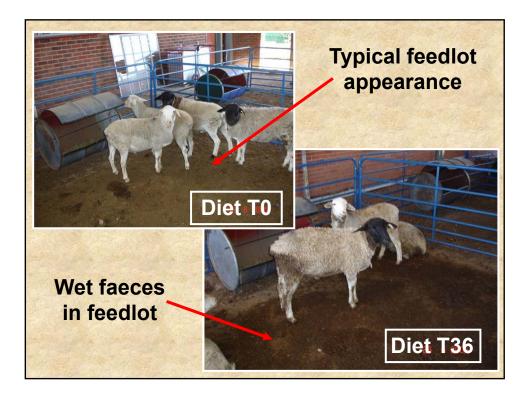


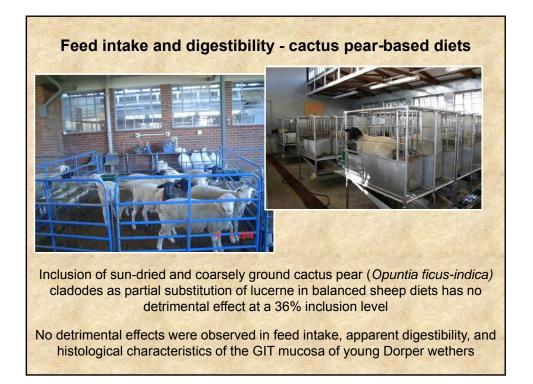


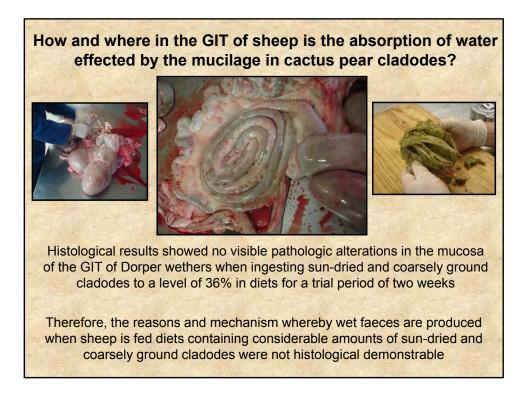


		ALA DOM	cladodes	Station Con	
AND THE REAL PROPERTY.	Treatment diets				
	то	T12	T24	T36	
Feed intake (g DM/day)	1148	1119	1104	1086	
Water intake (ml/day)	2236 <sup>b</sup>	2695 <sup>a,b</sup> 95	2949 <sup>a,b</sup> 3 ml	3189ª	
Urine excreted (ml/day)	779	812 17	845 1 ml	950	
Faeces excreted (g DM/day)	376	366	343	308	
DM intake (g/kg W <sup>0.75</sup> /day)	78.4	75.1	73.8	73.9	









## Composition of three treatment diets fed to Dorper wether lambs

	Treatment diets*				
Feed ingredient (kg air dry)	то	TI	T2		
Sun-dried and coarsely ground cladodes	and the second	330	300		
Coarsely ground lucerne hay	577	255	190		
fellow maize meal	358	340	275		
Feed grade urea	10	20	a lata - Sala		
Sunflower oilcake meal	Section - Carl	Section -	180		
Aolasses meal (Enermol)	40	40	40		
eed lime	15	15	15		
T0 - conventional feedlot diet; Cactus pear-based diets Tr ith different nitrogen sources (T1 – NPN and T2 – Natural		g sun-dried and coars	ely ground clade		

## Performance of the Dorper wether lambs during the feeding period in the feedlot and the cost of three treatment diets (Katrina Lugambo Shiningavamwe, 2009)

				1000
TO	T1	T2	Р	CV <sup>1</sup> %
21.23±0.55ª	21.13±0.46 <sup>a</sup>	21.67±0.50 <sup>a</sup>	0.730	9.13
35.46±0.11ª	32.43±0.53ª	35.60±0.64ª	0.057	11.0
13.90±0.41ª	11.30±0.09 <sup>a</sup>	13.93±0.32ª	0.064	25.6
180.6±3.7 <sup>a</sup>	125.4±0.8 <sup>b</sup>	181.0±2.9ª	< 0.001	24.6
1.147±0.050 <sup>a</sup>	1.131±0.071ª	1.209±0.022ª	0.538	7.3
6.07±0.73 <sup>b</sup>	8.25±0.27ª	6.11±0.16 <sup>b</sup>	0.036	10.9
3.14±0.01 <sup>a</sup>	2.42±0.02 <sup>b</sup>	2.70±0.01 <sup>b</sup>	0.001	0.9
3.71±0.18 <sup>a</sup>	2.73±0.19b	3.26±0.01b	0.007	5.7
	$\begin{array}{c} 21.23 \pm 0.55^{a} \\ 35.46 \pm 0.11^{a} \\ 13.90 \pm 0.41^{a} \\ 180.6 \pm 3.7^{a} \\ 1.147 \pm 0.050^{a} \\ 6.07 \pm 0.73^{b} \end{array}$	$\begin{array}{cccc} 21.23{\pm}0.55^{a} & 21.13{\pm}0.46^{a} \\ 35.46{\pm}0.11^{a} & 32.43{\pm}0.53^{a} \\ 13.90{\pm}0.41^{a} & 11.30{\pm}0.09^{a} \\ 180.6{\pm}3.7^{a} & 125.4{\pm}0.8^{b} \\ 1.147{\pm}0.050^{a} & 1.131{\pm}0.071^{a} \\ 6.07{\pm}0.73^{b} & 8.25{\pm}0.27^{a} \\ 3.14{\pm}0.01^{a} & 2.42{\pm}0.02^{b} \end{array}$	T0 T1 T2   21.23±0.55 <sup>a</sup> 21.13±0.46 <sup>a</sup> 21.67±0.50 <sup>a</sup> 35.46±0.11 <sup>a</sup> 32.43±0.53 <sup>a</sup> 35.60±0.64 <sup>a</sup> 13.90±0.41 <sup>a</sup> 11.30±0.09 <sup>a</sup> 13.93±0.32 <sup>a</sup> 180.6±3.7 <sup>a</sup> 125.4±0.8 <sup>b</sup> 181.0±2.9 <sup>a</sup> 1.147±0.050 <sup>a</sup> 1.131±0.071 <sup>a</sup> 1.209±0.022 <sup>a</sup> 6.07±0.73 <sup>b</sup> 8.25±0.27 <sup>a</sup> 6.11±0.16 <sup>b</sup> 3.14±0.01 <sup>a</sup> 2.42±0.02 <sup>b</sup> 2.70±0.01 <sup>b</sup>	T0 T1 T2 P   21.23±0.55 <sup>a</sup> 21.13±0.46 <sup>a</sup> 21.67±0.50 <sup>a</sup> 0.730   35.46±0.11 <sup>a</sup> 32.43±0.53 <sup>a</sup> 35.60±0.64 <sup>a</sup> 0.057   13.90±0.41 <sup>a</sup> 11.30±0.09 <sup>a</sup> 13.93±0.32 <sup>a</sup> 0.064   180.6±3.7 <sup>a</sup> 125.4±0.8 <sup>b</sup> 181.0±2.9 <sup>a</sup> <0.001

\*T0 - conventional feedlot diet; Cactus pear-based diets T1 & T2 – 330 and 300 g/kg sun-dried and coarsely ground Cactus pear cladodes, with different nitrogen sources (T1 – NPN and T2 – Natural protein) a,b Means with different superscripts within a row are significantly different (P < 0.05)

1 Coefficient of variance

YOUNG LAMBS - USE NATURAL PROTEIN SOURCE - SUNFLOWER OIL CAKE MEAL







Mashed fruit - undiluted (Um) or diluted (Dm) with water to facilitate separation of the seeds for oil extrusion						
	Mashed cactus pear fruit					
Roughage	Undiluted (Um)	Diluted (Dm)				
/heat straw (WS)	1 kg WS + 5 kg Mash	1 kg WS + 5 kg Mash				
aize hay (MH)	1 kg MH + 5 kg Mash	1 kg MH + 5 kg Mash				
ucerne hay (LH)	1 kg LH + 5 kg Mash	1 kg LH + 5 kg Mash				
Icerne hay (LH)	1 kg LH + 5 kg Mash	1 kg LH + 5 kg Mash				





Treatment	DM	ОМ	СР	NDF	ADF	Fat	рH
	g/kg DM						
Wheat straw (WS)		902.4	45.9	744.9	479.6	7.67	
Maize hay (MH)		965.4	47.1	796.4	478.1	8.87	
Lucerne hay (LH)		916.8	169.4	462.9	406.5	9.18	
Mashed undiluted fruit (Um)		886.5	44.2	281.4	82.7	5.00	
Mash diluted fruit (Dm)		907.4	55.6	280.5	76.6	4.42	
WS + Um	301.2	897.3	80.1	557.3	405.5	16.00	3.62
WS + Dm	210.5	899.6	74.9	721.4	513.7	2.79	3.98
MH + Um	284.2	929.5	72.2	624.3	421.1	22.64	3.72
MH + Dm	160.5	942.3	55.4	781.1	470.7	3.83	3.95
LH + Um	307.0	909.0	136.4	415.5	377.5	18.95	3.82
LH + Dm	204.0	894.3	160.2	491.5	431.7	14.97	3.89

