

Appendix

Appendix1

Appendix 1 : Weekly average maximum air temperature during the period 19th December 2010 to 23rd January 2011

Min. temp. ° C	Max. temp. ° C	Weeks
21.0	36.3	1
20.0	35.0	2
19.0	31.2	3
15.0	30.0	4
16.2	31.0	5
18.2	35.5	Average

Source : Shambat Meteorological station

Appendix 2: Chemical composition of some Prosopis spp. Of leaves, seeds and fruits

NFE	Ether extract	Ash	Crude fiber	Crude protein	Dry %matter	Species and parts
0	1	1	1	1	0	Prosopis Africana seeds No. of data
	1.7	3.4	7.6	0.16		Mean
3	3	3	3	3	1	Prosopis chilensis fruit No. of data
52	1.1	3.4	22.3	7.6	94.6	Low
56	2.2	5.4	27.9	13.7	94.6	High
54	1.7	4.2	25.4	10.9	94.6	Mean
						Prosopis chilensis leaves
3	4	4	4	4	1	No. of data
41	1.4	1.5	19.9	13.5	90.7	Low
46	9.2	9.9	37.3	28.4	90.7	High
43	4.4	6.1	27.2	21.1	90.7	Mean
						Prosopis cineraria leaves
3	3	3	3	18	2	No. of data
52	2.7	6.2	14.6	9.9	89.6	Low
57	4.3	10.1	22.6	21.9	92.8	High
54	3.4	8.2	19.6	15.9	91.2	Mean
						Prosopis glandulosa seed
1	1	1	0	1	1	No. of data
52	4.1	3.6		39.3	92.5	Mean
						Prosopis juliflora fruit
3	3	3	4	4	3	No. of data
52	2.2	4.5	17.9	8.7	84.3	Low
58	4.0	5.4	27.0	13.0	94.4	High
55	2.9	5.0	22.7	11.5	90.4	Mean

Appendix 3 : Chemical composition of some Prosopis spp. Of leaves , seeds and fruits

NFE	Ether extract	Ash	Crude fiber	Crude protein	Dry matter %	Species and parts
						Prosopis juliflora leaves
2	2	2	2	2	1	No. of data
47.9	2.0	8.0	21.0	19.0	42.8	Low
48.0	2.9	8.5	21.6	19.0	42.8	High
48.0	2.5	8.3	21.3	19.0	42.8	Mean
						Prosopis tamarugo seeds
1	1	1	1	1	1	No. of data
50.1	5.3	6.1	10.8	27.3	90.8	Mean
						Prosopis tamarugo fruit
3	3	3	3	3	3	No. of data
44.1	0.5	3.8	29.7	10.5	91.6	Low
49.5	1.7	6.4	34.2	13.3	96.7	High
47.5	1.2	4.9	32.1	11.8	94.2	Mean
						Prosopis tamarugo Leaves
2	3	3	3	3	3	No. of data
45.8	1.3	9.8	10.7	10.0	43.7	Low
52.5	1.9	22.0	15.2	15.6	90.5	High
49.5	1.6	14.7	13.2	12.2	74.8	Mean

(NEF = Nitrogen free extract Sources : Joshi; et al (1985

Prosopis Africana
Prosopis alba
Prosopis articulate
Prosopis galdenia
Prosopis chilensis
Prosopis cineraria
Prosopis flexnosa
Prosopis glandulosa
Prosopis juliflora
Prosopis nigra
Prosopis pallida
Prosopis tamarugo
Prosopis velutina

Main common name Mesquite (North Africa) ,Algarrobo (South (America),Khejri (India

<http://WWW.info/research/report/R5732/NRO8UE/BI701 I.HTM> Small Stock 3/17/2010

Appendix6: Scientific Classification of Prosopis

Kingdom : Plantae
Division : Magnoliophyta
Class : Magnoliopsida
Order : Fabales
Family : Fabaceae
Genus : Prosopis
.L
Species

Appendix (7) Cards used for judgment of subjective meat quality attributes

SENSORY EVALUATION CARD

Evaluate these samples for color, flavor, juiciness, and tenderness . For each sample, use appropriate scale to show your attitude by checking at the point that best describes your feeding about the sample. If you have . any question please ask . Thank for your cooperation

Name..... Date

.....

Tenderness	Flavor	Color Juiciness
Extremely tender	8.Extremely intense	8.Extremely desirable.8 8.Extremely juicy
Very tender	7.Very intense	7. Very desirable.7 7. Very juicy
Moderately tender	6.Moderately intense	6. Moderately desirable.6 6. Moderately juicy
Slightly tender	5. Slightly intense	5. Slightly desirable.5 5. Slightly juicy
Slightly tough	4. Slightly bland	4. Slightly undesirable.4 4. Slightly dry
Moderately tough	3. Moderately bland	3. Moderately undesirable.3 3. Moderately dry
Very tough	2. Very bland	2. Very undesirable.2 2. Very dry
Extremely tough	1. Extremely bland	1. Extremely undesirable.1 1. Extremely dry

Comments					Sample	Serial
						1
						2
						3
						4
						5
						6
						7
						8
						9
						10