

## ANNEX 6



Feed requirement

**ANNEX 6: FEED REQUIREMENT****Forage and agriculture land requirement (example for 80 cows plus young stock)**

TOTAL FEED RATION Kg in Dry Matter											REQUIREMENTS							
	Cows Lactation	Cows Dry period	Calves 0 - 3m	Calves 4 - 6m	Calves 7- 12m	Heifers 13- 15m	Heifers Pregnant	Kg/day Total DM	Tn/Yr Total DM	% loss Feeding	% loss ensiling	Tn DM harvest	% DM	Gross Tn/ Prod	Yield/cut Tn/DM per Ha	Nr of cuttings	Tot Acres	Tot Ha.
<b>Herd count</b>	80	9	4	6	9	17	10											
<b>FORAGES</b>																		
Lucerne	156	0	0	2	9	17	10	194	71	3%	2%	75	85	88	22.0	8	11	4.3
Maize silage	624	31	0	6	9	17	21	708	258	2%	2%	269	31	868	15.0	1	44	17.9
Rhodes grass	156	15	4	2	9	17	10	214	78	2%	2%	81	85	96	7.0	1	29	11.6
Napier grass	0	45	0	0	0	0	0	45	16	3%	2%	17	83	21	14.0	4	1	0.3
<b>Total forages</b>															<b>Total area for forage: 84</b>			
<b>GROUND MATERIALS (concentrates)</b>																		
Maize grain	272		3	6	9	26	10	326	119		2%	121	89	136				
Wheat grain	96	15			9	17	10	147	54		2%	55	87	63				
Wheat pollard											2%		86					
Soya bean meal	96		3	6	9	9	10	123	45		2%	46	88	52				
Sunflower cake	72					9	10	91	33		2%	34	87	39				
Lupine seed	72	15						87	32		2%	33	87	37				
Limestone	5							5	2		2%	2	98	2				
Sodium	10							19	4		2%	4	98	4				
Mineral mix	15	2			1	1	1	19	7		2%	7	98	7				
<b>Total</b>	<b>638</b>	<b>32</b>	<b>6</b>	<b>12</b>	<b>27</b>	<b>60</b>	<b>31</b>	<b>807</b>	<b>294</b>			<b>300</b>			<b>Total area for conc.: -</b>			
															<b>Total area needed: 84</b>			
															<b>34.2</b>			

1 acre = 0.40468564 Hectare



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