

Worksheet to determine 12-month nutrient requirements for cows of different sizes and with different calf birth dates.

Cow size (weight) 1200 lbs

Calf birth month March

Production Periods	Dry Gestation		3 <sup>rd</sup> Trimester		Early Lactation		Lactation					
Forage Type	Ration	Pasture	Ration	Pasture	Ration	Pasture	Ration	Pasture		# Days Ration	# Days Pasture	# Days 12 months
Number Days from table 2		32	90		45			198		135	230	365

Requirements lbs/day from table 1.

Dry matter		24	24		27			27
Energy (TDN)		11.02	12.62		15.85			15.23
Crude Protein		1.49	1.87		2.73			2.51
Calcium		0.04	0.06		0.08			0.07
Phosphorus		0.03	0.04		0.05			0.05

Nutrient lbs/day X #days = Nutrient lbs/period

Totals for periods

								Totals for Ration	Totals for Pasture	Totals for 12 months
Dry matter		768	2160		1215			3375	6114	9489
Energy (TDN)		352.64	1135.80		713.25			1849.05	3368.18	5217.23
Crude Protein		47.68	168.30		122.85			291.15	544.66	835.80
Calcium		1.28	5.40		3.60			9.00	15.14	24.14
Phosphorus		0.96	3.60		2.25			5.85	10.86	16.71