



Evaluation of Mazuri Wild Herbivore and Wild Herbivore Plus fed with Alfalfa Hay, to meet the nutrient recommendations for ruminants.

UPDATED:12/12/08

NUTRIENT RECOMMENDATIONS FOR GROWING RUMINANTS						AMOUNT NEEDED TO MEET ALL RECOMMENDATIONS USING 50:50 MIX OF 5ZF1 ² AND HAY ³		AMOUNT NEEDED TO MEET ALL RECOMMENDATIONS USING 50:50 MIX OF 5ZK4 ² AND HAY ³	
BW (kg) ⁴	kcal ME/d	g CP/d	g Ca/d	g P/d	IU Vit E/d	Intake (% of body weight) ⁵	Intake (kg/day)	Intake (% of body weight)	Intake (kg/day)
50	2350-3100	105-193	3-6	2-4	350	NR		2.5-3	1.25-1.5
150	6300-8250	263-273	5-6	5-6	1050	2-2.5	3.0-3.8	2-2.5	3.0-3.8
200	7626-9998	330-362	6-9	6-8	1351	2-2.5	4.0-5.0	2-2.5	4.0-5.0
300	10337-13552	447-490	9-12	8-11	1901	2-2.5	6.0-7.5	1.5-2.0	4.5-6.0
400	12826-16815	555-608	11-15	10-13	2406	1.5-2.5	6.0-10.0	1.5-2.5	6.0-10.0
500	15163-19879	656-719	13-18	12-16	2880	1.5-2.5	7.5-12.5	1.5-2.5	7.5-12.5
600	17385-22791	752-824	15-21	13-18	3331	1.5-2	9.0-12.0	1.5-2	9.0-12.0
700	19515-25585	844-925	16-23	15-20	3763	1.5-2	10.5-14.0	1.5-2	10.5-14.0
800	21571-28280	933-1023	18-26	17-23	4180	1.5-2	12.0-16.0	1.5-2.0	12.0-16.0
900	23563-30892	1019-1117	20-28	18-25	4585	1.5-2	13.5-18.0	1.5-2	13.5-18.0
1000	25501-33432	1103-1209	21-30	20-27	4978	1.5-2	15.0-20.0	1.5-2	15.0-20.0

¹ Recommended intake based upon data from Nutrient Requirement of Small Ruminants, 2007, for cervids, camelids, sheep & goats. Range represents differences in species (e.g., camelids have lower recommended intakes and cervids have higher recommended intakes, in general), season, and number of offspring.

² Nutrient composition of 5ZF1 and 5ZK4 from Mazuri® analyses; nutrient comp. of hay from NRC Small Ruminants, and using 15 IU vit E/kg hay.

³ Grass hay or alfalfa hay can be used at 50% of dietary intake

⁴ All recommendations for animals > 150 kg body weight are extrapolated from NRC data based on metabolic body weight.

⁵ Always feed animals to body condition. Start feeding at the middle of recommended intake levels and then adjust accordingly based on animal response.

NR - Wild Herbivore diet is not recommended for ruminants < 50 kg.

Abbreviations: BW, body weight; ME, metabolizable energy; d, day; CP, crude protein; Ca, calcium; P, phosphorus; vit E, vitamin E



NUTRIENT RECOMMENDATIONS FOR LACTATING RUMINANTS

BW (kg) ⁴	kcal ME/d	g CP/d	g Ca/d	g P/d	IU Vit E/d	AMOUNT NEEDED TO MEET ALL RECOMMENDATIONS USING 50:50 MIX OF 5ZF1 ² AND HAY ³		AMOUNT NEEDED TO MEET ALL RECOMMENDATIONS USING 50:50 MIX OF 5ZK4 ² AND HAY ³	
						Intake (% of body weight) ⁵	Intake (kg/day)	Intake (% of body weight)	Intake (kg/day)
50	3000-5850	166-308	7-8	4	280-464	NR		3-5	1.5-2.5
150	4350-15900	233-824	8-12	6-14	840	1.5-5	2.3-7.5	1.5-4.5	2.3-6.8
200	5898-16545	319-872	11-16	8-16	1000-1314	1.5-4	3.0-8.0	1.5-3.5	3.0-7.0
300	7994-19800	433-1110	14-22	11-22	1355-1680	1.5-3.5	4.5-10.5	1.5-3	4.5-9.0
400	9919-27826	537-1467	18-27	13-27	1682-2209	1.5-3.5	6.0-14.0	1.5-3	6.0-12.0
500	11726-32895	634-1734	21-32	16-32	1988-2612	1.5-3	7.5-15.0	1.5-3	7.5-15.0
600	13445-37715	727-1988	24-36	18-36	2279-2994	1.5-3	9.0-18.0	1.5-3	9.0-18.0
700	15092-42337	817-2232	27-41	20-41	2558-3361	1.5-3	10.5-21.0	1.5-3	10.5-21.0
800	16682-46797	903-2467	30-45	23-45	2828-3715	1.5-3	12.0-24.0	1.5-2.5	12.0-20.0
900	18223-51119	986-2695	33-49	25-49	3089-4059	1.5-3	13.5-26.0	1.5-2.5	13.5-22.5
1000	19721-55322	1067-2916	36-53	27-53	3343-4392	1.5-2.5	15.0-25.0	1.5-2.5	15.0-25.0

NUTRIENT RECOMMENDATIONS FOR GESTATING RUMINANTS

BW (kg) ⁴	kcal ME/d	g CP/d	g Ca/d	g P/d	IU Vit E/d	AMOUNT NEEDED TO MEET ALL RECOMMENDATIONS USING 50:50 MIX OF 5ZF1 ² AND HAY ³		AMOUNT NEEDED TO MEET ALL RECOMMENDATIONS USING 50:50 MIX OF 5ZK4 ² AND HAY ³	
						Intake (% of body weight) ⁵	Intake (kg/day)	Intake (% of body weight)	Intake (kg/day)
50	1950-4244	98-190	3-10	2-7	265-464	NR		2-4	1.0-2.0
150	4950-11100	230-495	6-12	5-12	795-840	1.5-3.5	2.3-5.3	1.5-3.5	2.3-5.3
200	6036-12003	282-537	7-17	6-15	947-1314	1.5-3	3.0-6.0	1.5-3	3.0-6.0
300	8182-14400	382-690	10-23	8-21	1283-1680	1.5-2.5	4.5-7.5	1.5-2.5	4.5-7.5
400	10152-20187	474-903	13-29	10-26	1592-2209	1.5-2.5	6.0-10.0	1.5-2.5	6.0-10.0
500	12001-23865	560-1068	15-34	12-31	1882-2612	1.5-2.5	7.5-12.5	1.5-2.5	7.5-12.5
600	13760-27362	643-1224	17-39	13-35	2158-2994	1.5-2.5	9.0-15.0	1.5-2	9.0-12.0
700	15446-30715	721-1375	19-44	15-39	2422-3361	1.5-2.5	10.5-17.5	1.5-2	10.5-14.0
800	17073-33951	797-1519	21-48	17-44	2678-3715	1.5-2.5	12.0-20.0	1.5-2	12.0-16.0
900	18650-37086	871-1660	23-53	18-48	2925-4059	1.5-2	13.5-18.0	1.5-2	13.5-18.0
1000	20183-40136	942-1796	25-57	20-52	3165-4392	1.5-2	15.0-20.0	1.5-2	15.0-20.0

¹ Recommended intake based upon data from Nutrient Requirement of Small Ruminants, 2007, for cervids, camelids, sheep & goats. Range represents differences in species (e.g., camelids have lower recommended intakes and cervids have higher recommended intakes, in general), season, and number of offspring.

² Nutrient composition of 5ZF1 and 5ZK4 from Mazuri® analyses; nutrient comp. of hay from NRC Small Ruminants, and using 15 IU vit E/kg hay.

³ Grass hay or alfalfa hay can be used at 50% of dietary intake

⁴ All recommendations for animals > 150 kg body weight are extrapolated from NRC data based on metabolic body weight.

⁵ Always feed animals to body condition. Start feeding at the middle of recommended intake levels and then adjust accordingly based on animal response.

NR - Wild Herbivore diet is not recommended for ruminants < 50 kg.

Abbreviations: BW, body weight; ME, metabolizable energy; d, day; CP, crude protein; Ca, calcium; P, phosphorus; vit E, vitamin E

MAZURI® WILD HERBIVORE AND WILD HERBIVORE PLUS MEET NUTRIENT RECOMMENDATIONS¹ FOR LACTATING RUMINANTS

MAZURI® WILD HERBIVORE AND WILD HERBIVORE PLUS MEET NUTRIENT RECOMMENDATIONS¹ FOR GESTATING RUMINANTS



NUTRIENT RECOMMENDATIONS FOR MATURE RUMINANTS

BW (kg) ³	kcal ME/d	g CP/d	g Ca/d	g P/d	IU Vit E/d	AMOUNT NEEDED TO MEET ALL RECOMMENDATIONS USING 50:50 MIX OF 5ZF1 ² AND HAY ³		AMOUNT NEEDED TO MEET ALL RECOMMENDATIONS USING 50:50 MIX OF 5ZK4 ² AND HAY ³	
						Intake (% of body weight) ⁵	Intake (kg/day)	Intake (% of body weight)	Intake (kg/day)
50	2200-3300	74-117	2-3	1-2	265-280	NR		2-3	1.0-1.5
150	4050-7492	162-227	3-7	3-7	480-840	1.5-2.5	2.3-3.8	1.5-2.5	2.3-3.8
200	5127-9296	202-282	4-9	4-9	596-1000	1.5-2.5	3.0-5.0	1.5-2	3.0-4.0
300	6949-12600	274-447	5-12	5-12	795-1355	1.5-2	4.5-6.0	1.5-2	4.5-6.0
400	8622-15635	340-474	6-14	6-14	1002-1682	1.5-2	6.0-8.0	1.5-2	6.0-8.0
500	10193-18483	402-560	7-17	7-17	1184-1988	1.5-2	7.5-10.0	1.5-2	7.5-10.0
600	11687-21191	461-643	8-19	8-19	1358-2279	1.5-2	9.0-12.0	1.5-2	9.0-12.0
700	13119-23788	517-721	10-22	10-22	1524-2558	1.5-2	10.5-14.0	1.5	10.5
800	14501-26294	572-797	11-24	11-24	1685-2828	1.5	12.0	1.5	12.0
900	15840-28723	624-871	12-26	12-26	1840-3089	1.5	13.5	1.5	13.5
1000	17143-31084	676-942	12-28	12-28	1992-3343	1.5	15.0	1.5	15.0

MAZURI® WILD HERBIVORE AND WILD HERBIVORE PLUS MEET NUTRIENT RECOMMENDATIONS¹ FOR MATURE RUMINANTS

NUTRIENT RECOMMENDATIONS FOR BREEDING MALE RUMINANTS

BW (kg) ³	kcal ME/d	g CP/d	g Ca/d	g P/d	IU Vit E/d	AMOUNT NEEDED TO MEET ALL RECOMMENDATIONS USING 50:50 MIX OF 5ZF1 ² AND HAY ³		AMOUNT NEEDED TO MEET ALL RECOMMENDATIONS USING 50:50 MIX OF 5ZK4 ² AND HAY ³	
						Intake (% of body weight) ⁵	Intake (kg/day)	Intake (% of body weight)	Intake (kg/day)
50	2050	87	3	2	265	NR		2	1
150	4500	189	5	5	795	1.5-2	2.3-3.0	1.5-2	2.3-3.0
200	5616	234	6	6	947	1.5-2	3.0-4.0	1.5-2	3.0-4.0
300	7612	317	8	8	1283	1.5-2	4.5-6.0	1.5-2	4.5-6.0
400	9445	394	10	10	1592	1.5	6	1.5	6
500	11166	465	12	12	1882	1.5	8	1.5	8
600	12802	533	13	13	2158	1.5	9	1.5	9
700	14371	599	15	15	2422	1.5	11	1.5	11
800	15885	662	17	17	2678	1.5	12.0	1.5	12.0
900	17352	723	18	18	2925	1.5	13.5	1.5	13.5
1000	18779	782	20	20	3165	1.5	15.0	1.5	15.0

MAZURI® WILD HERBIVORE AND WILD HERBIVORE PLUS MEET NUTRIENT RECOMMENDATIONS¹ FOR BREEDING MALE RUMINANTS

¹ Recommended intake based upon data from Nutrient Requirement of Small Ruminants, 2007, for cervids, camelids, sheep & goats. Range represents differences in species (e.g., camelids have lower recommended intakes and cervids have higher recommended intakes, in general), season, and number of offspring.

² Nutrient composition of 5ZF1 and 5ZK4 from Mazuri® analyses; nutrient comp. of hay from NRC Small Ruminants, and using 15 IU vit E/kg hay.

³ Grass hay or alfalfa hay can be used at 50% of dietary intake

⁴ All recommendations for animals > 150 kg body weight are extrapolated from NRC data based on metabolic body weight.

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