

FEED BUDGET TABLES FOR MERINO WEANERS

These tables describe the minimum energy (ME) and crude protein (CP) requirements for various Merino weaner growth targets. Follow Step 3 (over the page) to determine the g/hd/day required to meet your weaner growth targets.

MERINO EWE WEANERS

Growth target	Liveweight																				
	ME	10kg		15kg		20kg		25kg		30kg		35kg		40kg		45kg		50kg		55kg	
	MJ/kg DM	Feed g/d	CP %	Feed g/d	CP %	Feed g/d	CP %	Feed g/d	CP %	Feed g/d	CP %	Feed g/d	CP %	Feed g/d	CP %	Feed g/d	CP %	Feed g/d	CP %	Feed g/d	CP %
Maintain weight	8	It is not recommended to maintain Merino weaners below 30kg. They should be actively managed to grow until 12 months of age.										820	8								
	9											680	9	750	9	820	9	880	9	940	9
	10											590	10	650	10	700	10	750	10	810	10
	11											520	11	570	11	620	11	670	11	720	11
	12											470	12	520	12	560	12	600	12	640	12
	13																				
50g/hd/day	10	500	11	620	10	720	10	800	10	880	10	980	10								
	11	430	12	530	11	610	11	680	11	760	11	840	11	920	11	990	11	1050	11	1110	11
	12	370	13	460	12	530	12	590	12	660	12	740	12	800	12	870	12	920	12	970	12
	13	330	14	400	13	470	13	520	13	580	13	650	13	710	13	770	13	810	13	860	12
100g/hd/day	11	610	13	720	12	810	12	880	12	1010	12	1110	12								
	12	530	14	620	13	700	13	770	13	870	13	960	12	1030	12	1110	12	1170	12		
	13	460	15	550	14	620	14	680	14	760	14	840	13	900	13	970	13	1030	13	1070	13
150g/hd/day	11	790	14	900	13	1010	13	1070	12												
	12	680	15	780	14	860	14	950	13	1080	13	1180	13								
	13	600	16	690	15	760	15	820	14	930	14	1030	14	1110	14	1180	14	1250	14		

Source: GrazFeed®

MERINO WETHER WEANERS

Growth target	Liveweight																	
	ME	10kg		15kg		20kg		25kg		30kg		35kg		40kg		45kg		
	MJ/kg DM	Feed g/d	CP %	Feed g/d	CP %	Feed g/d	CP %	Feed g/d	CP %	Feed g/d	CP %	Feed g/d	CP %	Feed g/d	CP %	Feed g/d	CP %	
150g/hd/day	11	770	14	890	13	990	13	1080	12	1150	12	1030	12	1420	12	1560	12	
	12	670	15	770	14	850	14	940	13	1000	13	1110	13	1220	13	1340	13	
	13	580	16	670	15	750	15	820	14	880	14	970	14	1060	14	1160	14	
200g/hd/day	11																	
	12	820	16	920	15	1020	14	1110	14	1170	14	1320	14	1450	14	1580	14	
	13	710	17	800	16	890	15	960	15	1020	15	1140	13	1250	15	1370	15	
250g/hd/day	11																	
	12	950	17	1060	15	1160	15	1310	15									
	13	840	18	930	16	1120	16	1170	15	1320	15	1440	15	1580	15			

Source: GrazFeed®

Use this ready reckoner when you do not have feed test results for your own feeds.

Feed type	Energy ME (MJ/kg DM)	Crude protein CP (%)	Dry matter DM (%)
Oats	10.5 (8.8 -15.1)	5 -15	90
Barley	12.3 (10.7 - 13.3)	7 -15	90
Wheat, triticale	13.1 (12.3-13.7)	8 - 16	90
Lupins	13.1 (12.3-13.7)	28 - 36	90
Peas, faba beans	13.1 (12.4-13.7)	20 - 27	90
Cereal hay	9.0 (8.0 -10.2)	5 - 10	85
Pasture hay	9.8 (8.0 -11.2)	5 - 21	85
Lucerne hay	9.8 (9.0 -10.5)	16 - 25	85
Pasture silage	9.7 (8.5 -10.9)	7 - 13.5	25 - 55
Cereal silage	9.1 (8.5 -9.8)	7 - 13.5	35 - 45

Source: Lifetime Wool

WINNING WITH WEANERS

FEED BUDGET TABLES FOR MERINO WEANERS



PLEASE NOTE:

The AWI Feed Budget Tables for Merino Weaners are based on any feed of 90% dry matter and do not take into account feed on offer in the paddock. You need to assess any feed on offer in the paddock and take into account the amount of energy and protein your weaners will derive from this to determine how much supplement to feed.

STEP 1 - Calculate Target Weaning Weight (TWW) for your flock

Standard Reference Weight (SRW) is the average weight of your mature ewes:

- not pregnant
- bare shorn
- condition score 3
- no gut fill

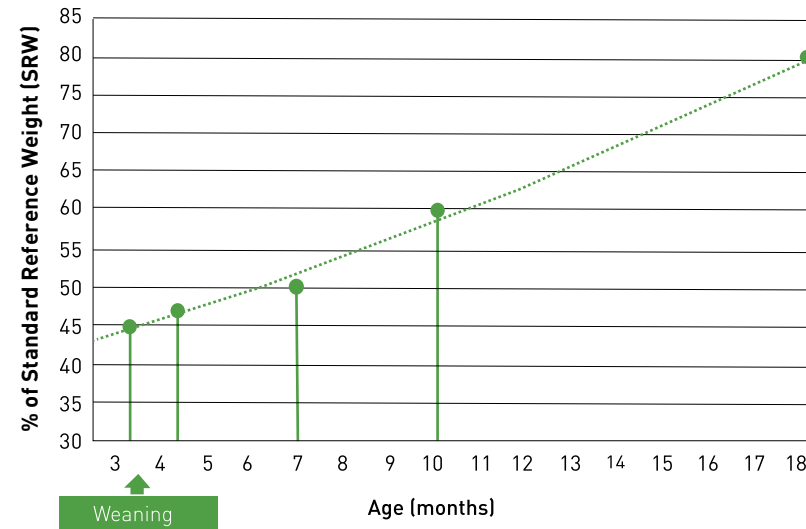
Target Weaning Weight (TWW) is 45% of the SRW of your ewes.

SRWkg TWWkg



Source: Making More From Sheep Module 10: Wean More Lambs

STEP 2 - Calculate weaner liveweight targets



Source: Making More From Sheep Module 10: Wean More Lambs

1. Calculate liveweight target (B)
2. Weigh weaners at specified age and record actual liveweight in C
3. Record in D the required liveweight gain to reach your next liveweight target (i.e. the gain between 14 week actual liveweight and 18 week liveweight target)
4. Calculate the minimum daily growth rate to achieve your next liveweight target and record in E

PLEASE NOTE: Weaners should be actively managed to grow until 12 months of age. For this reason, growth rates of 50 g/hd/day are the minimum requirement until weaners reach 12 months of age.

AGE	% SRW TARGET A	LIVWEIGHT TARGET B	ACTUAL LIVWEIGHT C	REQUIRED LIVWEIGHT GAIN D	REQUIRED GROWTH RATE E	MINIMUM FEED REQ'D (g/hd/d) F	MINIMUM CP REQ'D (%) G
		B = SRW x A%		D = next B - C	E = D x 1000 ÷ days to next liveweight target		
14 weeks	45						
18 weeks	46						
7 months	50						
10 months	60						
18 months	80						

STEP 3 - Calculate feeding requirements

This tool will assist you in calculating the total amount of feed required on a dry matter (DM) basis. Keep in mind your weaners' diet may comprise of multiple feed types (e.g. pasture, grain, etc.).

Type of feed on hand
 ME of feed on hand (feed test or average)
 CP of feed on hand (feed test or average)

Use **Feed Budget Tables for Merino Weaners** (over the page) to calculate minimum feed requirements to meet your growth targets.

1. Look up actual liveweight (along top of table)
2. Select growth target (down the left of table)
3. Choose the ME of feed on hand (in ME column on the left)
4. Write down amount to feed in g/hd/day in (F) below
5. Write down minimum CP requirement in (G) below
6. Are ME and CP of feed on hand adequate to meet your liveweight target (B)?
7. Fine tune ration if your weaners will not meet the liveweight target.