

Table 1: Total fodder consumed per month by various classes of stock (when offered ad-lib)

	Pit silage (t)	Hay (t)
Suckler cow	1.4	0.35
100-200kg calf	0.4	0.1
350kg weanling (plus 2kg of meal per day)	0.9	0.23
500kg store (plus 2kg of meal per day)	1.2	0.3
600kg finishing animal (5kg per meal per day)	1.0	0.25
Ewe	0.17	0.05

*Figures assume stores and weanlings being fed 2kg of meal per day.

* Increasing meal feeding by 1kg per day will reduce monthly silage requirement by 200kg per head across all classes of stock.

Table 3: Converting bale silage into pit silage

	Pit silage
4x4 round bale of silage where the grass was wilted prior to baling - (bales are standing up firm and very little water runs out when cutting plastic)	Equivalent feed value to 1/t of pit silage
4X4 round bale of silage where the grass was not wilted prior to baling (bales will have lost shape and be difficult to handle. Water will flow from the bale when plastic is cut)	Equivalent feed value to 700-800kg of pit silage.

Table 3: Weight of various sizes of square bales.

Bale size	kg

Small square bale	20kg
4x4 round bale	240kg
5X4 round bale	360
8X4X3 square bale	570kg

Table 4: Calculating monthly fodder requirement (Worked example) Complete

Class of stock	Type of fodder being fed (1)	Monthly requirement per head (t) (use table 1)	No of animals	Monthly requirement per group (t)
Suckler cow		0.35		
350kg weanling		0.9		
500kg store		1.2		
600kg finishing animal (5kg meal per day)		1.0		
Total amount of fodder required per month			Hay (t)	14
			Silage (t)	197

Table 5: Calculating the tonnage of pit silage on the farm

	Length (ft) X	Breadth (ft) X	Height (ft)		Tonnes of silage in the pit
Pit 1				/45	
Pit 2				/45	
Pit 3				/45	
Total					

*divide by 50 if single chop

Table 6: Converting bales of silage into pit silage

	No of bales	Tonnage of pit silage per bale	Tonnage of pit silage conserved as bales
4x4 bale of silage (wilted)		1	
4x4 bale of silage (un-wilted)		0.8	
		Total (pit silage equivalent)	36 tonnes.

Table 7: Calculating the tonnage of hay on the farm

Bale size	No of bales	Average weight per bale (t)	Total (t)
5X4 round bale		0.36	
4X4 round bale		0.24	
Small square bale		0.02	
8X4X3 square bale		0.57	
		Total (t)	

Table 8. Calculating how long fodder supplies will last into the winter.

	Tonnage available on farm	Monthly requirement (t)	Months feed available
Pit silage			
Hay			