

Farm Buildings Reference Data 08.2022

Ordering Concrete

'S.100 Mix A' (silage floors including aprons, walls and and purpose built effluent stores)

'S.100 Mix B' for all other farm structures

Requirement for Feed Space (mm/animal)				
Feeding Regime	Cow	Finishing cattle	Weanlings	Ewes
Concentrates etc.	600-700	600-650	400-500	500-600
Ad lib Roughage	400-500	400-500	225-300	200

Recommended housing space allowance (m ² /head)			
Animal type	Slatted	Straw	Comments
Suckler Cows	3	5	Calves with cows add 1m ² spring born, 1.75m ² autumn born
Cattle circa 550 kgs	2.5	4	
Cattle <275 kgs	1.7	2.5	
Calves		2-2.3 (pen area)	
Ewes (store lambs)	1.2 (0.8)	1.4 (0.85)	

Organic Nitrogen, Slurry and Silage Effluent Storage and Straw Requirement				
Type	Organic N Kg/year	M ³ /week *	Kg. Barley straw/week (full urine absorption)	Silage effluent: pipe to a slurry tank. Specific purpose tank: 7m ³ /100 tonnes silage required if vacuum tanker on the farm. See Table 5, SI 605 of 2017
Dairy Cow (560 kg)	89	0.33	55	
Suckler Cow (500 kg) (or cattle >2yrs)	65	0.29	49	
Cattle (450 kg)	57 (1-2 yrs)	0.26	46	
Cattle (250 kg)		0.15	26	
Calf (140 kg)	24 (0-1 yrs)	0.08	15	
Lowland Ewe & Lambs	13	0.028	7	
Mountain Ewe & Lambs	7	0.017	4	

***Add a 10% buffer (20% for dairy cows).**

Allow for freeboard (0.2m in slatted tanks, 0.3m in outdoor tanks) and rain if relevant.

Round bale of straw = 150 kg (12 x 12.5 kg small bales)

New parlour washings tank: minimum 0.93m³ per cow depending on water usage plus rain on collecting yard.

Space boarding

*150mm boards + 50mm gaps

Yorkshire boarding

Two rows separated by 25 to 50mm (25 mm if exposed)

*150mm boards and 50mm gaps

***Note S101:75mm laths X 25mm thick + 25mm space**



Getting a farmyard 1:500 plan from a 1:2,500 map, zoom at 1.41 X 2 and 1.36 X 3

