

Calculating fodder requirement

Stock - 108 cows, 26 weanlings

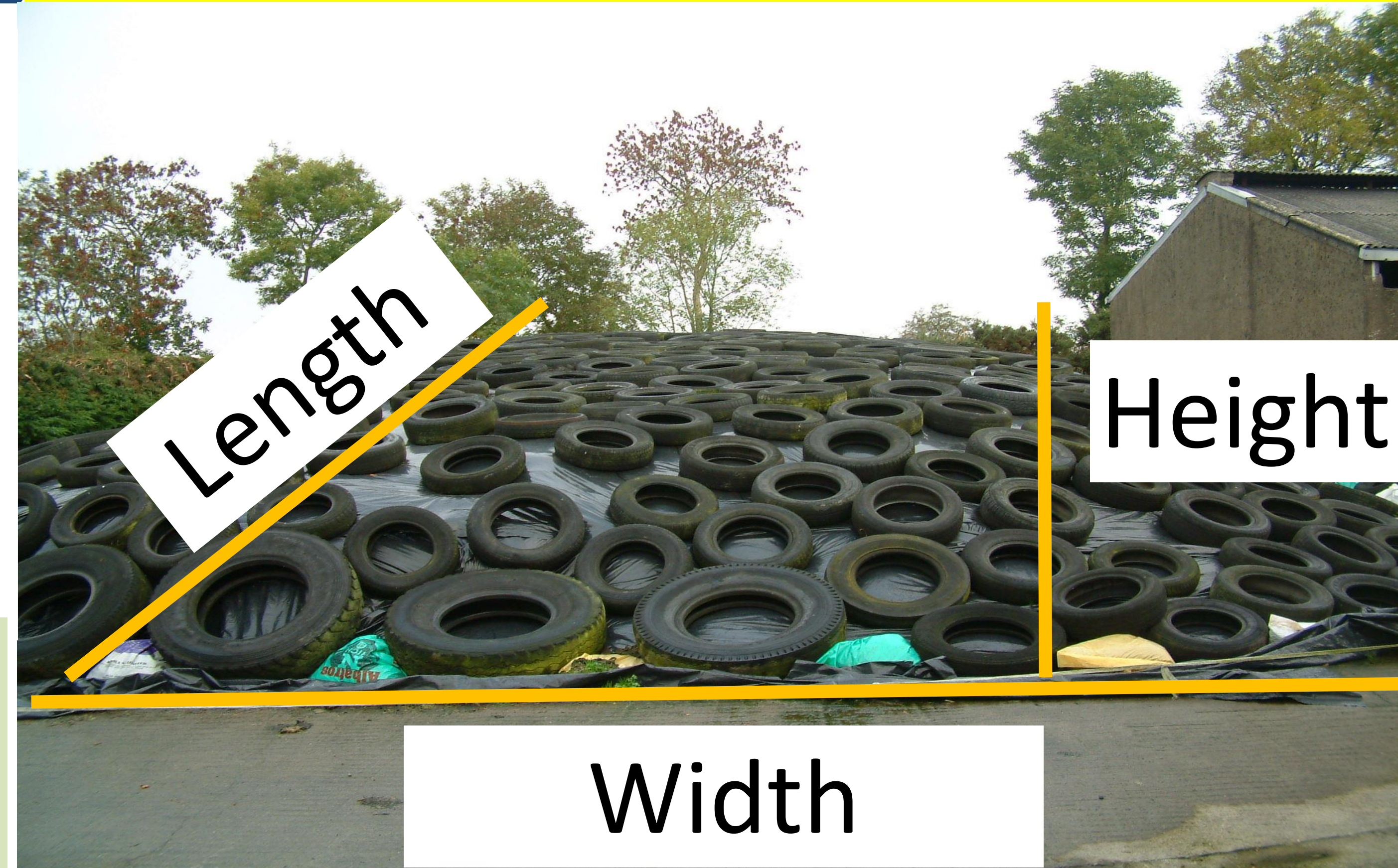
Land - 44 ha dairy grazing, 12 ha out-farm

72-74 DMD for milking cows + weanling heifers

68 DMD for dry cows

Silage required	Cows (t/DM)	Weanlings (t/DM)	Total (t/DM)
74 DMD	43.5	21.5	65
68 DMD	151		151
To be harvested	Yield (t/DM)	Area (ha)	Total (t/DM)
74 DMD	4.5	14.5	65
68 DMD	6.5	23.5	153

Assessing silage stocks



- $L \times W \times H = \text{volume (m}^3\text{)}$
- Divide m^3 by 1.35 = fresh tons @ 22%DM
- Multiply by DM (0.22) to get t/DM

Standard 4x4 bale = 220 kg DM

Each cow eats 400 kg DM (≈ 2 bales) per month

Don't forget to add on a fodder reserve (at least 10%)

Take home messages

- Calculate requirements for winter/area to be harvested
- Measure silage pit/bales to confirm tonnage in stock