

PLANT SPACINGS

The following table shows the number of plants required per hectare/acre of land with different planting distances.

Spacing metric	Trees per Hectacre	Spacing Imperial	Trees per acre
1.0m	10,000	3ft	4,060
1.2m	6,728	4ft	2,722
1.5m	4,444	5ft	1,742
1.8m	3,086	6ft	1,210
2.0m	2,500	6.5ft	1,012
2.5m	1,600	8ft	650
3.0m	1,111	10ft	450
3.5m	816	11.5ft	330

If you require a spacing that is not shown in the table above, the following calculation can be used to work out your requirements.

$$\text{Trees required} = \frac{\text{Total Area (m)}}{\text{Spacing}^2 \text{ (m)}}$$

Example

You have a piece of land that you want to use as a shelter-belt. It measures 100m x 50m (0.5ha) and is to be planted with 2m spacing between trees. The trees required are calculated as follows:

$$\text{Total Area} = 100 \times 50 = 5,000$$

$$\text{Spacing}^2 = (2^2) \text{ or } (2 \times 2) = 4$$

$$\text{Trees required} = \frac{5,000}{4} = 1,250 \text{ trees}$$