

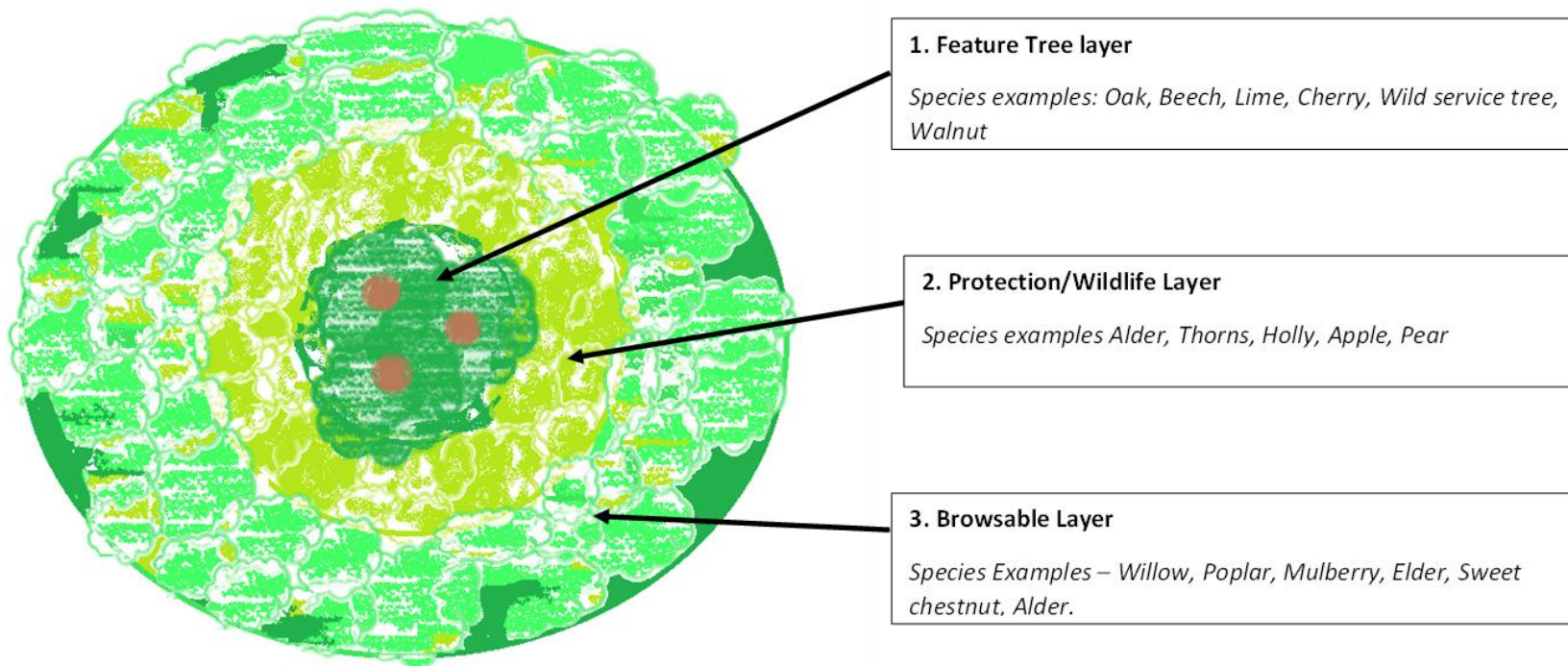
Agroforestry Design Template

Roundel Design

Design Credit Mark Franklin Woodland Trust

This Roundel design looks to incorporate lots of different species together to produce a punchy small scale infield woodland. Through design the more palatable and expendable species are planted on the outside to encourage any browsing pressure. In the center of the design are taller and longer-lived tree species which once mature will provide a long-term source of shade and shelter for livestock and amenity or timber value for people. Due to the increased tree and shrub species, diverse roundel designs can better support infield biodiversity.

Design Applications: Establishment of Parkland trees, Livestock browse & shelter blocks, Producing infield wildlife refuge, Planting of field corners.



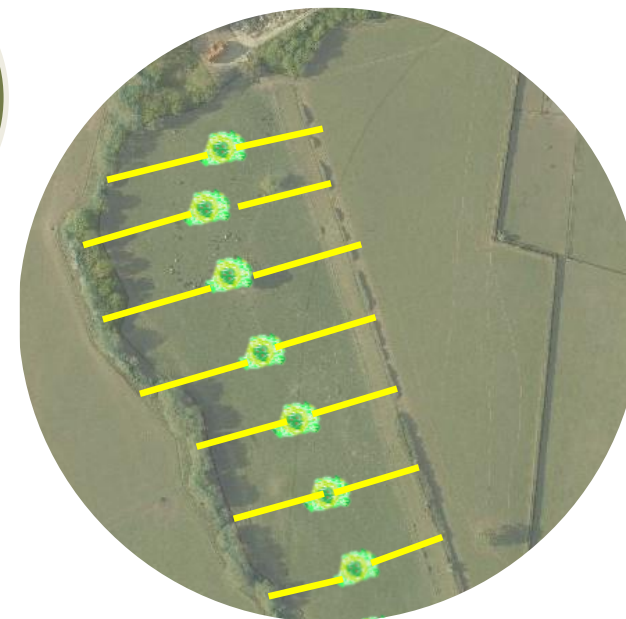
What to consider when placing this design in Landscape



Maximizing ecosystem connectivity

Place the design to encourage the natural flow of biodiversity. Here the roundels are placed along stream to increase the edge effect and forming a better wildlife corridor between two woodlands whilst keeping the land in useable grass production.

Rotational Grazing Design



Place the design to facilitate equal sized (in terms of grass yield). Here the roundels are placed in the middle of the field to allow constant access to a different browsing block for supplementary feed and shelter.

Examples of Species composition tables

Design Layer	Example Species	Planting Density	Tree Number
1. Feature Tree Layer	Italian Alder (<i>Alnus cordata</i>), Oak sp. (<i>Quercus sp.</i>), Beech (<i>Fagus sylvatica</i>), Small-leaved Lime (<i>Tilia cordata</i>), Wild Cherry (<i>Prunus avium</i>), Wild service (<i>Torminalis glaberrima</i>), Walnut (<i>Juglans regia</i>)	Planted at Forestry spacing for species	3
2. Wildlife Layer	Alder (<i>Alnus glutinosa</i>), Hawthorn (<i>Crataegus monogyna</i>), Blackthorn (<i>Prunus spinosa</i>), Holly (<i>Ilex aquafolium</i>),	Planted randomly at 2 m distances	20
3. Browsable layer	Willow (<i>Salix sp.</i>), Mulberry (<i>Morus nigra</i>), Elder (<i>Sambucus nigra</i>), Sweet chestnut (<i>Castanea sativa</i>), Alder (<i>Alnus glutinosa</i>).	Planted randomly at 1m distances	65