Forest gardens

An experiment in horticulture based on woodland complexity



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'Transformative learning for a more sustainable and equitable world'



What is a forest garden?



- Food production system that mimics young woodland
- Adapted for cool temperate systems from 1970s



Forest garden in spring

Alexanders

Ice plant

Japanese quince

Woodland strawberry_

Comparison of yield and labour

250



(supposed of the second second

Labour

Forest garden – 32 hrs/100m² 'Conventional' – 202 hrs/100m²

Yield

Forest garden - 2.3kg/100m² 'Conventional' - 13kg/100m²

Maintenance tasks



% time by task in 2011 (total = 169 hours)

Forest garden maintenance



Weeding



Planting

Food produce

Produce type

- Tree fruit eg damson, pear
- Bush fruit eg quince
- Perennial leeks
- Perennial greens eg sorrel, lovage, wild cabbage
- Perennial salad eg mallow, sweet cicely, marjoram



% yield by crop type in 2011 (total = 40 kg)

Perennial leaf salads





Perennial leaf greens





Babbington's leek



Wild cabbage



French sorrel

Good King Henry







Candied stems



Syrup



Soup

Fruit-bearing shrubs



Chokeberry



Hawthorn cultivars



Autumn olive



Food from a complex ecosystem



- Elevated soil carbon
- Nutrient cycling
- Low disturbance
- High species diversity
- Resource partitioning
- Minimal inputs
- Temporal succession

Forest gardens – the future



Agroforestry and Forest
Garden Network - 100
demonstration sites

 Permaculture Association -Baseline survey and detailed study



Thank you for listening



References

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