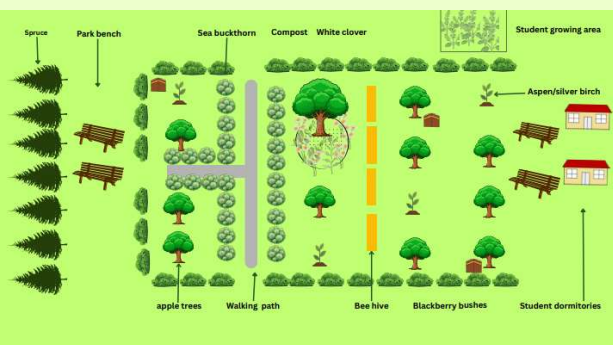


Mustiala Apple Garden

A multifunctional apple garden that combines:

Food production • Biodiversity • Soil health • Student learning • Agroforestry

Location: Mustiala Teaching & Research Farm

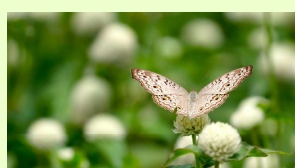


Design Elements

- 15–20 existing apple trees
- Aspen & silver birch (windbreak + soil support)
- Sea buckthorn & white clover (nitrogen fixing)
- Medicinal plants (mint, calendula)
- Compost & mulching
- Insect hotels & 2 bee hives
- Walking path & benches



Source Pixabay



Source Pixabay



Source Pixabay



Source Pixabay

Educational Value

- Living laboratory for HAMK students
- Agroforestry demonstration site
- Field observation & research area



Source:Unsplash

Environmental Impact

- Increased biodiversity
- Improved soil fertility
- Enhanced pollination
- Carbon sequestration
- Reduced fertilizer need



source: Pexels

Economic Potential

Initial investment: ~7,500 €

Future income from:

- Apples
- Honey
- Sea buckthorn berries
- Reduced input costs
- CAP / Leader funding

	Month	1	2	3	4	5	6	10	11	2-5 Years
1 Planning	1	Month 0-1								
2 Site Preparation	2	Month 1-4								
3 Planting & Installation	3			Month 4-10						
4 Monitoring	4				Month 10-22					
5 Educational & Research Use	5									Year 2-5

Agroforestry integrates trees, crops, and ecological processes to improve biodiversity, soil fertility, and sustainable food production.

(Nair, 1993)



source: Pexels

CC BY-NC 4.0