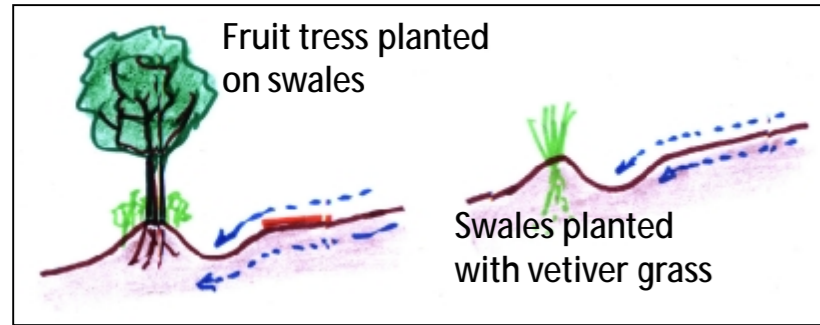


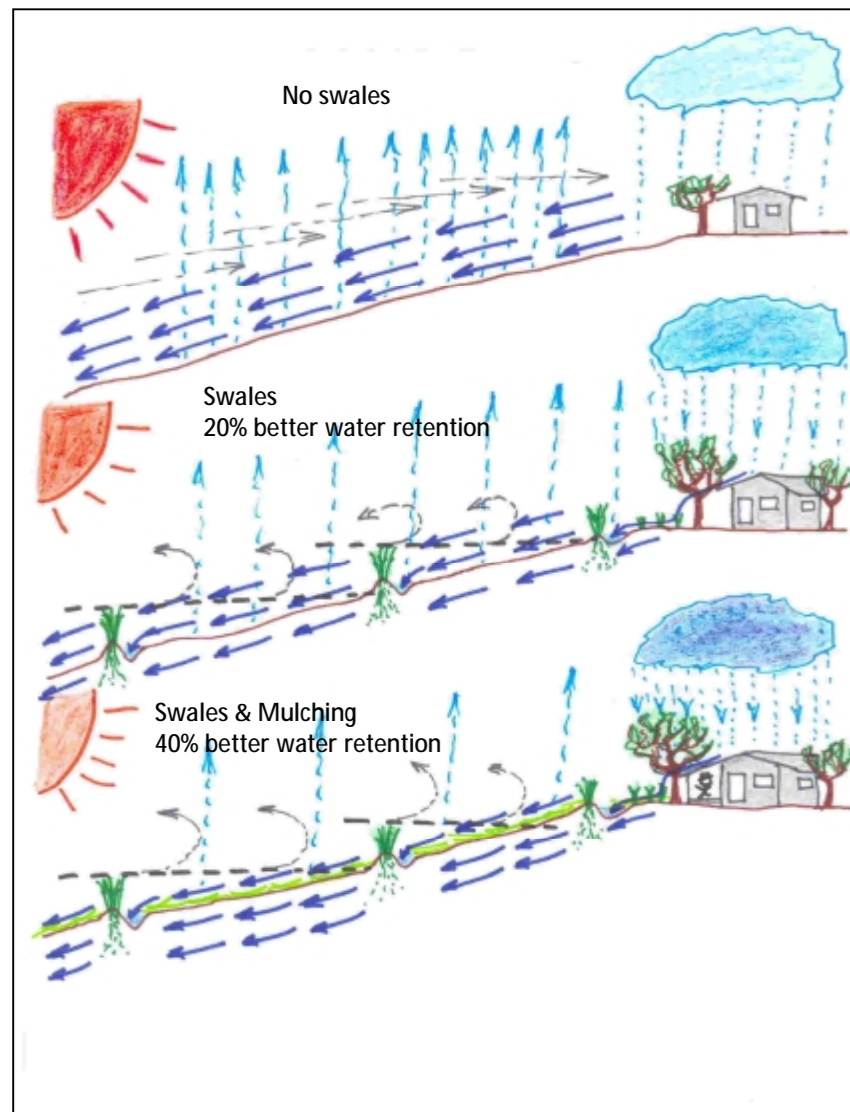
CEDARA FOOD SECURITY UNIT

Version 2 – 2009/09/13

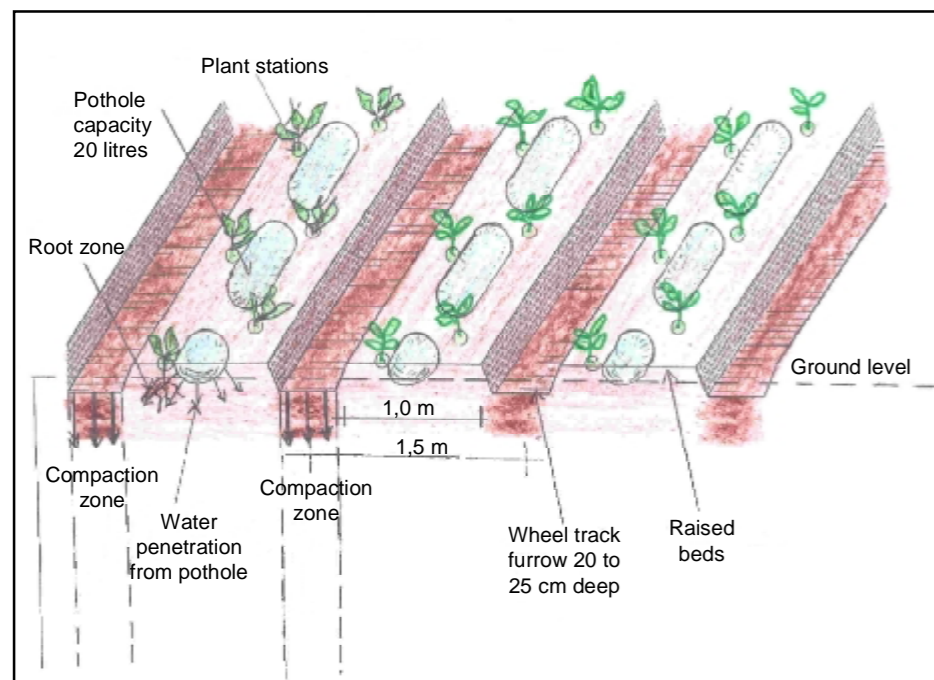
How swales work



Advantages of rainwater harvesting with swales



Limited Till Ridging System



Areas requiring design solutions

1. Shelter belt (X-section AA)
2. Sluice from Dam (X-section BB)
3. Limited Till Ridging System (X-section CC)
4. Swales planted with fruit trees (X-section DD)
5. Crop rotation system within the Limited Till Ridging area
6. Integrated chicken and crop rotation area
7. Nursery shed and area under shade cloth
8. Pit to measure effect of rainwater harvesting design on the water table
9. Small orchard
10. Dam construction and lining
11. Irrigation system
12. Vermiculture
13. Composting

Legend

- Crop rotation area under Ridging System
- Chicken and crop rotation area
- Shelter belt
- Swales planted with vetiver grass
- Rainwater harvesting along swales
- Irrigation pipe
- Stop valve
- Detention pond



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