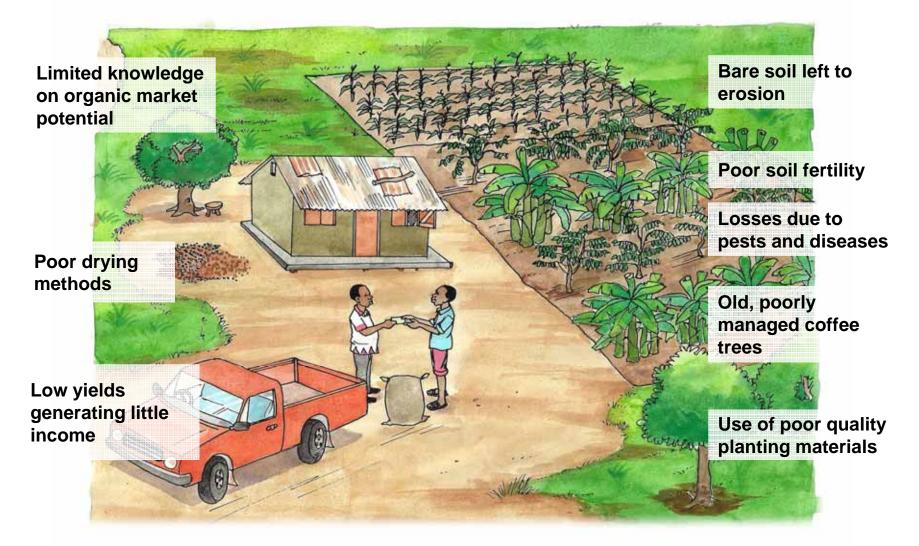
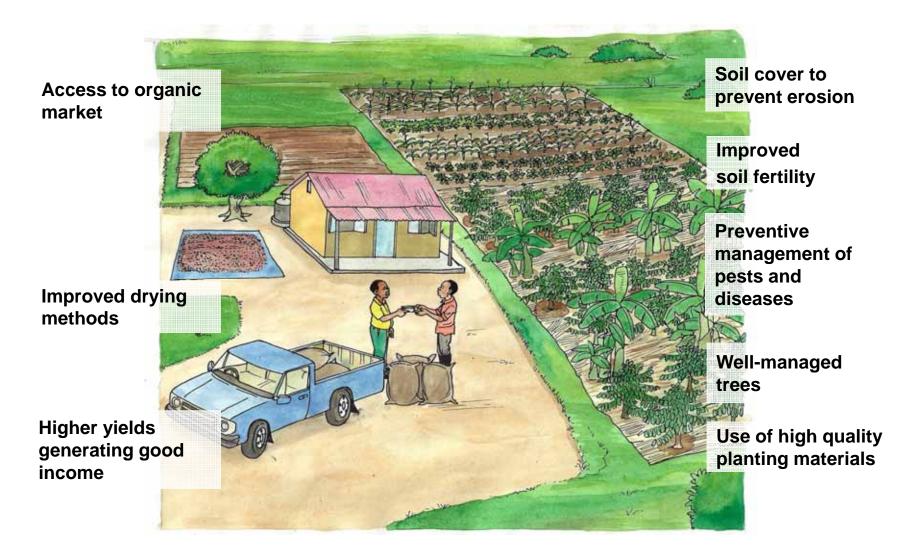
Challenges facing coffee production





Improved management of coffee





Proper production of coffee seedlings



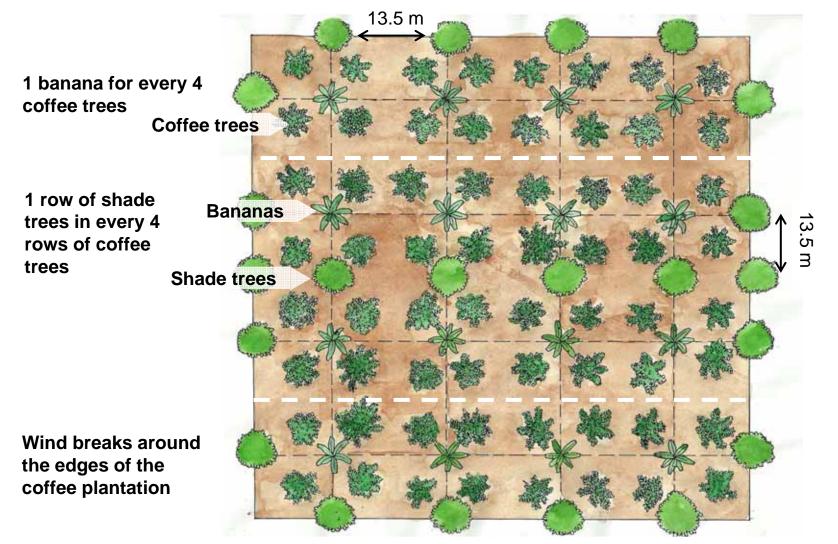


Do not use undergrowths from fallen berries under the coffee trees as planting material!



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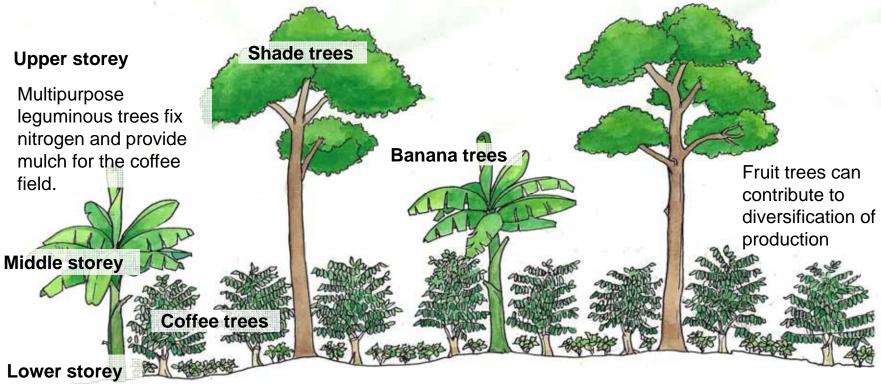
How to arrange coffee trees and intercrops





Growing coffee in an agroforestry system

Shade trees protect the coffee plants against strong sunlight, contribute to prevention of soil erosion and reduce moisture loss in the coffee garden.



Cover crops protect the soil and provide organic food for the soil.



M9 Crop Management: U13 Coffee

Proper planting of coffee seedlings



1. Dig the planting hole 2 feet by 2 feet wide



2. Mix the topsoil with 1 basin of manure or compost



3. Plant the seedling



5. Water the seedling regularly

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4. Create a small shade and lay out mulch around the seedling to keep the soil moist



Proper mulching of coffee seedlings









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Training of coffee seedlings

Bend of the coffee plant allows for the formation of more stems and increases the tree's yield potential.

1. Before



Bend the coffee plant, when it has reached a height of about 2 to 3 feet and fix it with a branch in a horizontal position.

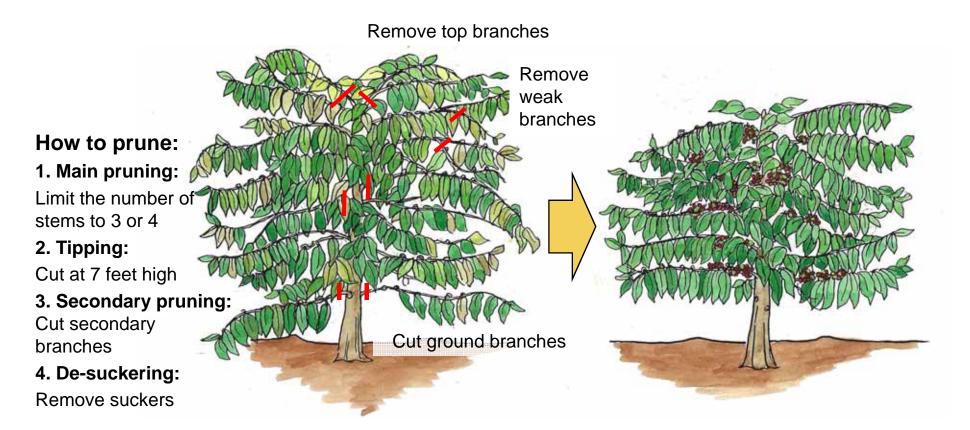
2. Afterwards



After some time the coffee plant will have built more stems.



Proper prunning of coffee



Before

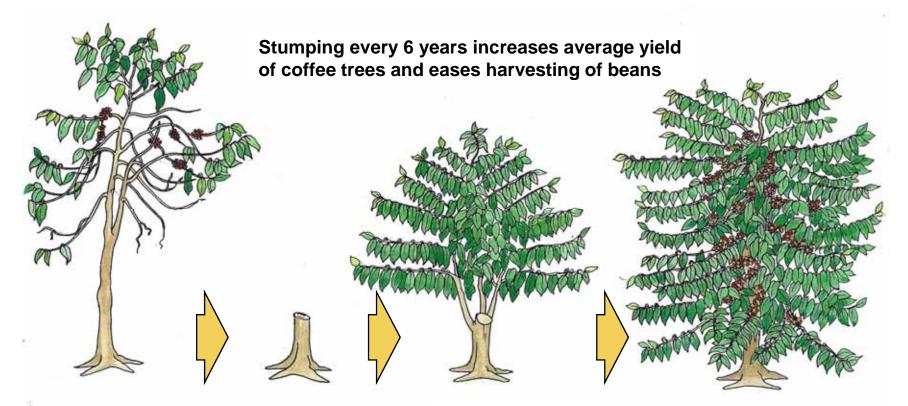
Tall trees with many unproductive branches

After

Shorter trees with aerated crown and productive branches



Stumping of old coffee stems



Tall and unproductive plant with few and small beans

Cut the plant right back to the base, leaving 3 new buds to grow **1 year later:** vigorous branches with many leaves **2 years later:** bushy tree, many and big beans



Water conservation trenches





How to improve soil fertility in coffee

1. Apply compost during planting and after harvest, as a top dressing



3. Grow a leguminous cover crop or a green manure (in grown coffee) and cut it regularly



2. Cover the soil with mulch to preserve moisture and prevent erosion



4. Use the pruned branches from shade trees to cover the soil





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M9 Crop Management: U13 Coffee

Damage due to the coffee wilt disease and control measures



Control measures:

- Restrict the movement of coffee materials such as seedlings, beans and husks from affected areas.
- Destroy all infected and adjacent plants preferably by burning them at the site without moving them.
- Sterilise field tools that have been used on infected trees.
- Where possible, use resistant varieties.

Damage due to the coffee berry disease and control measures

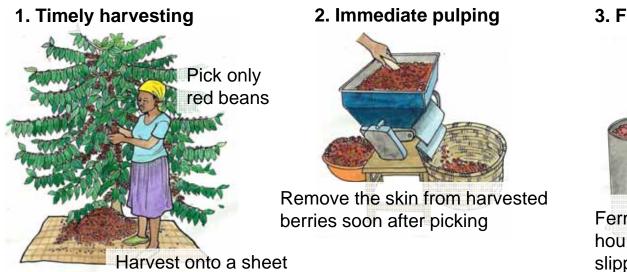


Control measures:

- > Use resistant varieties.
- Ensure field crop hygiene by removing infected beans is also helpful.
- > Prune the coffee and shade trees properly.



Wet processing of Arabica coffee



3. Fermenting and washing



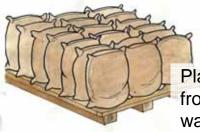
Ferment for about 12 to 48 hours and wash to remove the slippery mucilage

4. Proper drying and sorting



Dry the beans by batches

5. Proper packing and storage



Place the bags away from the ground and walls

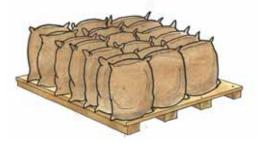


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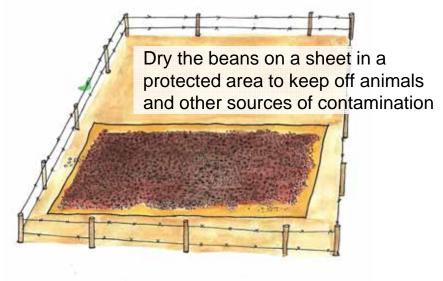
Dry processing of Robusta coffee



3. Proper packing and storage



2. Proper drying



Place the bags off the ground and walls

