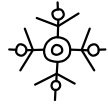


# There is no silver bullet solution. Farmers' trade offs: tree disbenefits

Both women and men. All 'benefit' categories except carbon/biomass

Nearly all the monocultured coffee died  
**(man, 48)**



**FROST DAMAGE**



**MICRO CLIMATE**

Monoculture makes the microclimate drier and more unpleasant **(man, 36)**



**SOIL FERTILITY**

Monoculture requires more fertiliser than intercropping  
**(woman, 28)**

Apricot, plum and peach are usually grafted, so trees are low and do not give much shade **(man, 31)**

Plum, peach, apricot do not cover much because the leaves are small and sparse **(woman, 36)**



**SHADE**

Where there is no canopy, no shade, no leaves, soil is bad, red, does not give good coffee and needs more fertiliser  
**(woman, 24)**

Banana and papaya leaves remain dry on the tree and do not fall off  
**(man, 38)**



**MULCH PROVISION**

Banana and papaya are used for animals and the household, not sold  
**(woman, 33)**

I do not like to grow apricots because there is no economic benefit, no markets  
**(woman, 45)**



**INCOME GENERATION**

Intercropping requires more time to prune. Pomelo, jackfruit, pine, plum require a lot of labour input to prune and spraying **(man, 37)**



**LABOUR REQUIREMENT**



**WIND DAMAGE**

Grafted longan is short and brittle. Banana and papaya have shallow roots and easily fall  
**(woman, 36)**

Banana, coffee and papaya do not tolerate frost, many die, so they are [also] not good as windbreak for coffee  
**(man, 22)**



**SOIL EROSION**

Longan, mandarin, plum, peach and apricot are all small trees and do not retain much soil. Monoculture cause the most erosion. **(woman, 36)**



**PEST & DISEASE**

Longan often has aphids that spread to coffee. Tall trees are difficult to spray. Pests from guava, plum, peach and apricot spread to coffee **(woman, 33)**



**COFFEE PRODUCTION**

Eucalyptus and tamarind reduce coffee yields because the trees are tall and with many roots that compete for nutrients **(woman, 28)**



**SOIL QUALITY**

Coffee dries the soil when there is no shade  
**(man, 40; woman, 32)**

