

**Table S1.** Mean values for fruit yield determined for the interaction Agroforestry systems x Production cycle.

Agroforestry System	Production Cycle (years)	Yield (kg ha <sup>-1</sup> )
<i>E. poeppigiana</i>	2018	819.3
<i>C. cateniformis</i> + <i>E. poeppigiana</i>		852.5
<i>C. cateniformis</i>		700.1
<i>B. gasipaes</i>		573.2
Monoculture		540.7
<i>E. poeppigiana</i>	2019	456.4
<i>C. cateniformis</i> + <i>E. poeppigiana</i>		456.7
<i>C. cateniformis</i>		410.6
<i>B. gasipaes</i>		325.3
Monoculture		308.7
<i>E. poeppigiana</i>	2020	481.4
<i>C. cateniformis</i> + <i>E. poeppigiana</i>		527.8
<i>C. cateniformis</i>		442.9
<i>B. gasipaes</i>		421.7
Monoculture		451.4
<i>E. poeppigiana</i>	2021	585.7
<i>C. cateniformis</i> + <i>E. poeppigiana</i>		612.3
<i>C. cateniformis</i>		517.9
<i>B. gasipaes</i>		440.1
Monoculture		433.6
<i>E. poeppigiana</i>	2022	533.6
<i>C. cateniformis</i> + <i>E. poeppigiana</i>		570.1
<i>C. cateniformis</i>		480.4
<i>B. gasipaes</i>		442.5
Monoculture		430.9

**Table S2.** Mean values for stored C determined for the interaction Agroforestry systems x Production cycle.

Agroforestry System	Production years	Total stored C (t ha <sup>-1</sup> )
<i>E. poeppigiana</i>	2018	38.3
<i>C. cateniformis</i> + <i>E. poeppigiana</i>		37.0
<i>C. cateniformis</i>		33.3
<i>B. gasipaes</i>		30.0
Monoculture		39.6
<i>E. poeppigiana</i>	2019	34.2
<i>C. cateniformis</i> + <i>E. poeppigiana</i>		33.0
<i>C. cateniformis</i>		26.4
<i>B. gasipaes</i>		26.2
Monoculture		30.4
<i>E. poeppigiana</i>	2020	39.9
<i>C. cateniformis</i> + <i>E. poeppigiana</i>		34.1
<i>C. cateniformis</i>		29.0
<i>B. gasipaes</i>		30.1
Monoculture		35.2
<i>E. poeppigiana</i>	2021	51.2
<i>C. cateniformis</i> + <i>E. poeppigiana</i>		43.6
<i>C. cateniformis</i>		37.2
<i>B. gasipaes</i>		35.9
Monoculture		43.0
<i>E. poeppigiana</i>	2022	46.4
<i>C. cateniformis</i> + <i>E. poeppigiana</i>		47.5
<i>C. cateniformis</i>		44.7
<i>B. gasipaes</i>		41.6
Monoculture		49.9