

Supplementary material

Tab. S1 - Description of study sites where leaf and fruit litterfall samples were collected.

Village name	Tree No.	Eastings	Northings	Elevation (m a.s.l.)	Land uses and farm management practices where leaf and fruit litterfall samples were collected
Malinzanga	1	-7.66002409	35.35619061	915	Wild
	2	-7.67104819	35.38290529	945	Wild
	3	-7.67979596	35.35359954	956	Wild
	4	-7.65887752	35.35099312	920	Wild
	5	-7.65767827	35.35212806	913	Wild
	6	-7.63893859	35.37090475	883	Agricultural field planted with maize and sunflower. Use crop residues for soil improvement
	7	-7.63360584	35.35441499	864	Agricultural fields cultivated with groundnuts in the last season. Use crop residues for soil fertility improvement
	8	-7.68730411	35.35902270	993	Agricultural field, sorghum. Use Crop residues and manure for soil fertility improvement
	9	-7.68653635	35.35728795	990	Agricultural field cultivated with maize. Use Crop residues and manure for soil fertility improvement
Bonchugu	1	-1.86934665	34.79714085	1596	Wild, in the boundary of agricultural field
	2	-1.88334447	34.76227576	1597	Wild, located at the agricultural field boundary
	3	-1.86859293	34.79142431	1619	Agricultural field planted with maize and finger millet. Use animal manure for soil fertility improvement
	4	-1.86852142	34.79061540	1623	Agricultural field planted with sorghum. Use animal manure for soil fertility improvement
	5	-1.86770327	34.79480255	1611	Agricultural field planted with sorghum in the previous season. Use animal manure to improve soil fertility
	6	-1.86775689	34.79542271	1610	Agricultural field planted with sorghum. The field was not cultivated in the previous year. Use crop residue for soil fertility improvement
	7	-1.87023390	34.79610824	1601	Agricultural field planted with sorghum during data collection. Use crop residues for soil fertility improvement. The farm was planted with sweet potatoes in the previous farming season
	8	-1.88033294	34.77139481	1644	Agricultural field but it was not cultivated the year data were collected
	9	-1.88035788	34.76466338	1619	Agricultural field planted with maize in the previous year. Use animal manure to improve soil fertility
Kiegea	1	-6.68190634	37.72997201	530	Wild
	2	-6.68505420	37.72320677	528	Wild
	3	-6.67893288	37.72025571	524	Wild
	4	-6.68103210	37.73465989	542	Residential area
	5	-6.68858835	37.72592036	533	Residential area
	6	-6.68934742	37.72568320	537	Residential area
	7	-6.66481648	37.73824728	502	Agricultural field planted with sunflowers. Use crop residues for soil fertility improvement
	8	-6.67140096	37.73843849	501	Agricultural field planted with maize. Use crop residues for soil fertility improvement
	9	-6.67361439	37.71998912	511	Agricultural field planted with maize. Use crop residues for soil fertility improvement