

Table 1 Sampling localities in northern Ghana with their agroecological zones from which fruit samples were collected for the study

Province/Region	Collection site	Agro-ecology
Northern	Tamale suburbs	Guinea savanna
	Salaga woodland	Guinea savanna
	Damongo forest	Guinea savanna
	Daboya valleys	Guinea savanna
	Gushie bushland	Guinea savanna
Upper West	Wa suburbs	Sudan savanna
	Wahabu forest	Sudan savanna
	Daffiama bushland	Sudan savanna
	Wechiaw woodland	Sudan savanna
	Babille bushland	Sudan savanna
Upper East	Bolga suburbs	Sudan savanna
	Sandema woodland	Sudan savanna
	Navrongo bushland	Sudan savanna
	Zebilla hills	Sahel savanna
	Bawku bushland	Sahel savanna