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Reviewing entomophagy in DRC: species and host plant diversity, seasonality, patterns of consumption and challenges of the edible insect sector

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Table S1. Inventory of edible insect species reported for DRC

Old scientific names of insects have been updated on the basis of recent systematic revisions. Alternative names used in literature are mentioned. Vernacular names (or ethnosppecies) used by some of the most important ethnic groups nationwide, stages eaten and host plants number are also provided.

Orders	Families	Species_ID	Species (accepted names)	Species (synonyms)	Synon_ID	Vernacular names	Stages consumed	Host plants Number	References
Blattodea	Termitidae	3XBSQ	<i>Macrotermes amplius</i> (Sjöstedt 1899) ⁽¹⁾	* <i>Termes gabonensis</i> Sjöstedt, 1900	8QSD9	-	wA, S	-	DeFoliart, 2002
		6QRW8	<i>Macrotermes belllicosus</i> (Smeathman 1781)	-	-	T'swa ³ or Tudwa ³	wA, A, S	-	Keleme <i>et al.</i> , 2015
		3XBT5	<i>Macrotermes falciger</i> (Gerstaecker 1891)	<i>Macrotermes swaziae</i> (Fuller, 1915)	-	Maningu ³ , Ndonge ¹	wA, S, Q	-	Malaisse, 1997
		3XBT7	<i>Macrotermes natalensis</i> (Haviland 1898)	-	-	-	wA, S	-	DeFoliart, 2002
		3YTNV	<i>Megagnathotermes katangensis</i> Sjöstedt 1927	-	-	-	-	-	Malaisse, 1997
		6WCTS	<i>Pseudacanthotermes militaris</i> Hagen 1858	-	-	-	-	-	Mitsuhashi, 2016
		4NGYW	<i>Pseudacanthotermes spiniger</i> (Sjöstedt 1900)	<i>Termes (Acanthotermes) spiniger</i> Sjöstedt, 1900	-	-	wA	-	DeFoliart, 2002
Coleoptera	Cerambycidae	T48N	<i>Ceroplesis burgeoni</i> Breuning 1935	-	-	-	-	-	Malaisse and Parent, 1980
		6D2WL	<i>Diastocera trifasciata</i> (Fabricius 1775)	* <i>Analeptes trifasciata</i> Adlbauer, 1993	66JTL	-	L	-	Jongema, 2017
		6R47L	<i>Macrotoma natala</i> Thomson 1861	-	-	-	-	-	Malaisse, 1997
		78QMW	<i>Pycnopsis brachyptera</i> Thomson 1860	-	-	-	-	-	Malaisse and Parent, 1980
		52FVK	<i>Sternomis itzingeri</i> Breuning 1935	<i>S. itzingeri katangensis</i> Allard, 1993	7KSV5	-	-	-	Malaisse and Parent, 1980
		5D6JY	<i>Zographus aulicus</i> Bertolini 1849	-	-	Kipembia ²	L, A	-	Malaisse and Parent, 1980
		77Q5G	<i>Platynenia barbata</i> (Afzelius 1817)	-	-	Mafundu ⁰	L	-	DeFoliart, 2002
Dryophthoridae	Dryophthoridae	4SS76	<i>Rhynchophorus phoenicis</i> (Fabricius 1801)*	<i>R. phoenicis</i> Schoenherr, 1825	4SS76	<i>Mpose¹</i> , <i>Nsombi³</i>	L, A	"A"	Takeda, 1990
		5VXT5	<i>Augosoma centaurus</i> (Fabricius 1775)	-	-	Makokolo ¹ , <i>Mafulu⁰</i>	L	"A"	Takeda, 1990
		6SZPV	<i>Oryctes (Rykanoryctes) boas</i> (Fabricius 1775)	-	-	-	L, A	"A"	DeFoliart, 2002
		74ZQ5	<i>Oryctes (Rykanoryctes) boas</i> (Fabricius 1807)	-	-	-	L, A	"A"	DeFoliart, 2002
		32RVN	<i>Cybister distinctus</i> Régimbart 1878	-	-	-	-	-	Jongema, 2017
		6Q2N4	<i>Leihoecerus cordofanus</i> Mayr 1853	-	-	-	-	-	Malaisse and Parent, 1980
		65JBM	<i>Afzeliana afzelii</i> (Stål 1854)	-	-	-	-	-	Malaisse and Parent, 1980
Hemiptera	Belostomatidae	65JBC	<i>Afzeliana duplex</i> (Diabola 1961)	-	-	-	-	-	Malaisse and Parent, 1980
		3PTPV	<i>Ioba horizontalis</i> (Karsch 1860)	-	-	-	-	-	Malaisse, 1997
		3PTPX	<i>Ioba leopardina</i> (Distant 1881)*	<i>Platyleura (Joba) leopardina</i> (Distant 1881)	8JC89	-	A	-	Malaisse, 1997
		44KYB	<i>Munza fulva</i> (Distant 1897)*	<i>Poecilopsaltria fulva</i> Distant, 1897	-	-	-	-	Malaisse and Parent, 1980
		4TXHP	<i>Sadaka radiata</i> (Karsch 1890)	-	-	-	-	-	Malaisse and Parent, 1980
		7DF3P	<i>Ugada limbalis</i> (Karsch 1890)	<i>Ugada limballis</i> Sueur, 2001	7DF3N	-	A	-	Malaisse and Parent, 1980
		7DF3Y	<i>Ugada limbimacula</i> (Karsch 1893)	-	-	-	A	-	Malaisse and Parent, 1980
Hymenoptera	Apidae	FN46	<i>Apis mellifera</i> L. 1758	* <i>Apis mellifera adansonii</i> Latreille, 1804	5FQ3N	<i>Lounjue⁵</i> , <i>Nzoyi¹</i>	L	-	Takeda, 1990
		K3MJ	<i>Axestotrigona richardsi</i> (Darchen 1981)	* <i>Trigona (Meliponula) richardsi</i> Darchen, 1981	58QYM	-	L	-	DeFoliart, 2002
		K3MG	<i>Axestotrigona erythra</i> (Schletterer 1891)	* <i>Trigona erythra</i> Schletterer, 1891	58QTC	Kipash ⁰	L	-	DeFoliart, 2002
		K3MK	<i>Axestotrigona simpsoni</i> Moure 1961	<i>Meliponula simpsoni</i> (Moure, 1961)	3ZJC4	-	L	-	Mitsuhashi, 2016
		33X68	<i>Dactylurina staudingeri</i> (Gribodo 1893)	-	-	Luchu ⁵	L	-	Takeda, 1990
		3NZXL	<i>Hypotrigona gribodoi</i> (Magretti 1884)	* <i>Trigona braunsii</i> Kohl, 1894	58QRL	<i>Mbolo⁵</i> , <i>Solwe⁰</i>	L, P	-	Takeda, 1990
		3NZXH	<i>Hypotrigona araujoi</i> (Michener 1959)	<i>Trigona araujoi</i> Michener, 1959	58QQW	-	L	-	Mitsuhashi, 2016
		3ZJBR	<i>Meliponula bocandei</i> (Spinola 1853)	-	-	Kibonge ⁰	L	-	DeFoliart, 2002
		4K2B5	<i>Plebeia lendliana</i> (Friese 1900)	* <i>Trigona (Meliponula) lendliana</i> Friese, 1900	3ZJBX	Kanyanta ⁰	L	-	DeFoliart, 2002
		R7D7	<i>Carebara junodi</i> Forel 1904	-	-	-	-	-	Malaisse, 2010
Lepidoptera	Formicidae	R7DG	<i>Carebara vidua</i> Smith 1858	-	-	-	-	-	Keleme <i>et al.</i> , 2015
		48V7Z	<i>Oecophylla smaragdina</i> (Fabricius 1775)*	<i>Formica smaragdina</i> Fabricius, 1775	4673406 ⁺	<i>Matetemena⁶</i> , <i>Buyiri⁷</i>	L, A	-	DeFoliart, 2002
		6BYPG	<i>Dactyloceras lucina</i> Drury 1782	-	-	-	L	-	Keleme <i>et al.</i> , 2015
		6117033 ⁽⁺⁾	<i>Achaea catocaloides</i> Guénée 1852	-	-	<i>Minsangula¹</i>	-	-	Latham, 2021
		5ZH4V	<i>Coeliades libeon</i> Druce 1875	-	-	-	L	-	DeFoliart, 2002
		4JSBZ	<i>Platesches moritili</i> Wallengren 1857	-	-	Bitshia ³	L	-	Tango, 1981

Table S1. Continued

Order	Family	Species_ID	Species (accepted names)	Species (synonyms)	Synon_ID	Vernacular names	Stages consumed	Host plants Number	Reference
Lepidoptera	Hesperiidae	7BHRR	<i>Tagiades flesus</i> Fabricius 1781		-	Lukowo ³	L	-	Latham, 2008
	Lasiocampidae	58HKZ	<i>Trichopisthia monteiroi</i> Druce 1887		-	-	L	-	Latham <i>et al.</i> 2021
	Limacodidae	3J6SV	<i>Hadraps ethiopica</i> Bethune-Baker 1915		-	Tubambe ²	L	7	Malaisse <i>et al.</i> , 2003
	Lymantriidae	4SV9L	<i>Rhypopteryx poecilanthes</i> Collenette 1931		-	Nsongi ³	L	1	Latham, 2005
	Noctuidae	65929	<i>Aegocera rectilinea</i> Boisduval 1836		-	Mikombidila ³	L	"F"	Numbi Muya <i>et al.</i> 2021
		74D5M	<i>Nyodes prasinodes</i> Prout 1921		-	Finamisili ²	L	-	Malaisse and Parent, 1980
		487BY	<i>Nyodes vitanvali</i> Laporte 1970		-	N'teku ¹	L	-	Latham, 2021
	Notodontidae	66KW6	<i>Anaphe venata</i> Butler 1878		-	Sohu ⁹	L	-	Bocquet <i>et al.</i> 2020
		DF56	<i>Anaphe panda</i> Boisduval 1847 *	<i>Anaphe infracta</i> Walsingham, 1885	61868 LX	Taku ¹ , Finamisala ²	L	5	Malaisse and Parent, 1980
		5VD47	<i>Antheua insignata</i> Gaede 1928		-	Nsanga ³ , Tukoto ²	L	21	Malaisse and Parent, 1980
		6DJDW	<i>Drapetides uniformis</i> Swinhoe 1907		-	Tulongue ² , Lubeba ²	L	3	Malaisse and Parent, 1980
		6LCM7	<i>Haplazona nigrolineata</i> Aurivillius 1901		-	Nsindi ¹	L	-	Latham, 2021
		393BC	<i>Elaphrodes lactea</i> Gaede 1932		-	Masela ³ , Tungubi ³	L	30	Malaisse and Parent, 1980
		6FN4F	<i>Epanaphe carteri</i> Walsingham 1855		-	Lusambwa ² , Nsindi ³	L	1	Latham, 2005
		6G3MP	<i>Epidonta brunneomixta</i> Mabille 1897			Nsanga ⁰ , Mfundu ¹	L	-	Latham, 2021
		455WX	<i>Rhenea mediana</i> Walker 1865		-	-	L	3	Malaisse and Parent, 1980
	Nymphalidae	9J93	<i>Acraea pharsalus</i> Ward 1871			Nkaka nsani ¹ , Kikuya ¹	L		Latham, 2021
		3387Y	<i>Cymothoe caenis</i> Drury 1773		-	N'sani ³ , Tosake ⁵	L	3	Latham, 2005
	Pieridae	RVM4	<i>Catopsilia florella</i> (Fabricius 1775)		-	-	L	-	Latham <i>et al.</i> 2021
	Psychidae	6GWS5	<i>Eumeta cervina</i> Druce, 1888		-	-	L	-	DeFoliart, 2002
		6GX3Z	<i>Eumeta rougeoti</i> Bourgogne 1955		-	-	L	-	DeFoliart, 2002
		6GWS6	<i>Eumeta moddermanni</i> Heylaerts 1888	* <i>Clania moddermanni</i> Heylaerts 1888 ⁽²⁾	-	-	L	-	DeFoliart, 2002
	Saturniidae	5W97M	<i>Athletes gigas</i> Sonthonnax 1903		-	-	L	3	Malaisse and Parent, 1980
		67X7M	<i>Athletes semialba</i> Sonthonnax 1904		-	Finamuinga ²	L	12	Malaisse and Parent, 1980
		5W9JF	<i>Aurivillius triramiis</i> Rothschild 1907		-	Kaba di mbedi ³	L	-	Konda and Ambühl, 2019
		6949X	<i>Bunaea alcinoe</i> Stoll 1780 *	<i>Bunaea cafraria</i> (Stoll, 1790)	-	Finamukuntampele ²	L	22	Malaisse and Parent, 1980
		5X3YC	<i>Bunaeopsis aurantiaca</i> Rothschild 1895		-	Malanga ¹ , Bakanya ⁸	L	5	Malaisse and Parent, 1980
		5X3YH	<i>Bunaeopsis licharbas</i> Maassen et Weymer 1886		-	Kitete mbika ¹	L	-	Latham, 2021
		VCMP	<i>Cinabra hyperbius</i> Westwood 1881		-	Finkubala ²	L	12	Malaisse and Parent, 1980
		5Z6XW	<i>Cirina forda</i> Westwood 1849		-	Mingolo ³ , Masamba ⁶	L	20	Latham, 2005
		6FVDC	<i>Epiphora bauhiniae</i> Guérin-Méneville 1829		-	-	L	-	Pagezy, 1975
		6FGV9	<i>Epiphora plotzii</i> Weymer 1880		-	Mpeketa ⁶	L	-	Latham <i>et al.</i> 2021
		6KQVL	<i>Gonimbrasia zambesina</i> Walker 1865		-	Finamitembe ²	L	4	Malaisse and Parent, 1980
		6L37J	<i>Gonimbrasia hecate</i> Rougeot 1955		-	Likokoloko ⁹ , Finakibobo ²	L	7	Malaisse and Parent, 1980
		6L2VQ	<i>Gonimbrasia belina</i> Westwood 1849	* <i>Imbrasia belina</i> Westwood, 1849 ⁽³⁾	-	-	L	-	Kelemu <i>et al.</i> , 2015
		9915123 ⁽⁴⁾	<i>Gonimbrasia jamesoni</i> (Druce 1890)		-	Minsendi ¹	L	-	Latham, 2021
		6L37K	<i>Gonimbrasia tyrrhea</i> Cramer 1776	* <i>Imbrasia tyrrhea</i> (Cramer)	-	-	L	-	Mitsuhashi, 2016
		3H2FL	<i>Goodia kuntzei</i> Dewitz 1881		-	Mitasondwa ²	L	4	Malaisse and Parent, 1980
		3HW8W	<i>Gynanisa ata</i> Strand 1911		-	Kawanatengo ²	L	4	Malaisse and Parent, 1980
		3HW8Y	<i>Gynanisa maja</i> Klug 1836		-	Kawanatengo ²	L	7	Mapunzu, 2004
		3NNXX	<i>Hyperchirioides angulata</i> Aurivillius 1893	* <i>Holocerina angulata</i> (Aurivillius, 1893)		Bitefu ⁶	L	-	Malaisse <i>et al.</i> 2021
		3PHRJ	<i>Imbrasia (Nudaurelia) alozia</i> Westwood 1849		-	Minsongo ³ , Malemba ³	L	5	Latham, 2005
		3PHRM	<i>Imbrasia (Nudaurelia) anthina</i> Karsch 1892		-	Minsuka ³ , Boso boso ³	L	6	Latham, 2005
		3PHRX	<i>Imbrasia (Nudaurelia) dione</i> Fabricius 1793*	<i>Nudaurelia petiveri</i> Guérin-Méneville, 1875	-	Finasepe ² , Bisu ³	L	9	Malaisse and Parent, 1980
		3PHSP	<i>Imbrasia epimethea</i> Drury 1773 *	<i>Imbrasia nictitans</i> (Fabricius, 1775)	67177	Sogo ⁹ , Mimpemba ³	L	20	Malaisse and Parent, 1980
		3PHSQ	<i>Imbrasia ertli</i> Rebel 1904		-	Mvinzu ¹ , Misamisa ³	L	12	Mapunzu, 2004

Table S1. Continued

Order	Family	Species_ID	Species (accepted names)	Species (synonyms)	Synon_ID	Vernacular names	Stages consumed	Host plants Number	Reference
Lepidoptera	Saturniidae	3PHST	<i>Imbrasia obscura</i> Butler 1878		-	<i>Minsendi</i> ³	L	14	Latham, 2005
		3PHSD	<i>Imbrasia (Nudaurelia) rectilineata</i> Sonthonnax 1899	* <i>Gonimbrasia richelmanni</i> (Weymer, 1909)	-	<i>Kisansapelebele</i> ²	L	16	Malaisse and Parent, 1980
		3PHSF	<i>Imbrasia (Nudaurelia) rubra</i> Bouvier 1920		-	<i>Kisukubia</i> ² , <i>Pambala</i> ²	L	12	Malaisse and Parent, 1980
		3PHSW	<i>Imbrasia truncata</i> Aurivillius 1909		-	<i>Likoto</i> ¹ , <i>Commando</i> ¹	L	6	Lisingo <i>et al.</i> , 2012
		3PHSJ	<i>Imbrasia (Nudaurelia) wahlbergi</i> Boisduval 1847		-	<i>Minsendi noir</i> ³	L	1	Latham, 2005
		3PHRN	<i>Imbrasia (Nudaurelia) anthinoides</i> Rougeot 1978		-	<i>Minsuka</i> ³	L	4	Mapunzu, 2004
		3PHS9	<i>Imbrasia (Nudaurelia) macrothyris</i> Rothschild 1906		-	<i>Kwesu</i> ³ , <i>Ligegele</i> ¹	L	10	Malaisse and Parent, 1980
		6N6B4	<i>Imbrasia (Nudaurelia) rhodina</i> Rothschild 1907		-	<i>Minsendi noir</i> ³	L	-	Mapunzu, 2004
		3PHRY	<i>Imbrasia (Nudaurelia) eblis</i> Strecker 1876		-	<i>Kwesu</i> ³	L	5	Latham, 2005
		3PHSC	<i>Imbrasia (Nudaurelia) oyemensis</i> Rougeot 1955	* <i>Imbrasia (Nudaurelia) melanops</i> (Bouvier, 1930)	6113516 ⁺	<i>Liboyo</i> ¹ , <i>Tumpekete</i> ⁶	L	6	Latham, 2005
		3VSZ4	<i>Lobobunaea acetes</i> Westwood 1849		-	<i>Kaba</i> ³	L	-	Latham <i>et al.</i> 2021
		3VSZ9	<i>Lobobunaea goodii</i> Holland 1893		-	<i>Lingonju</i> ⁵	L	-	Takeda, 1990
		3VSZG	<i>Lobobunaea phaedusa</i> Drury 1780		-	<i>Kaba</i> ³	L	2	Mapunzu, 2004
		3VSZJ	<i>Lobobunaea rosea</i> Sonthonnax 1899			<i>Kaba di mvete</i> ³	L	-	Latham <i>et al.</i> 2021
		3VSZK	<i>Lobobunaea saturnus</i> Fabricius 1793	* <i>Lobobunaea angasana</i> (Westwood, 1849)	67104 LX	<i>Finkubala</i> ²	L	15	Malaisse and Parent, 1980
		3Z86F	<i>Melanocera nereis</i> Rothschild 1898		-	<i>Minsongo</i> ³	L	4	Mapunzu, 2004
		3Z86G	<i>Melanocera parva</i> Rothschild 1907		-	<i>Finamumangu</i> ²	L	4	Malaisse and Parent, 1980
		4Q2Y	<i>Micragone ansorgei</i> Rothschild 1907			-	L	-	Malaisse and Latham, 2014
		4Q32	<i>Micragone cana</i> Aurivillius 1893		-	-	L	1	Malaisse and Parent, 1980
		4Q36	<i>Micragone herilla</i> Westwood 1849		-	-	L	-	DeFoliart, 2002
		4NKKQ	<i>Pseudantheraea discrepans</i> Butler 1878*	<i>Pseudantheraea arnobia</i> (Westwood, 1881)	66999 LX	<i>Boona</i> ³ , <i>Bitombo</i> ⁹	L	13	Takeda, 1990
		4NNH5	<i>Pseudantheraea deyrollei</i> Thomson, J. 1858		-	<i>Kina-kaputu</i> ²	L	-	Latham <i>et al.</i> 2021
		4NQBW	<i>Pseudobunaea alinda</i> Drury 1870		-	<i>Kaba di mbedi</i> ¹	L	-	Latham, 2021
		4NQC8	<i>Pseudobunaea pallens</i> Sonthonnax 1899		-	<i>Kaba</i> ¹	L	-	Latham, 2021
		54JVS	<i>Tagoropsis flavidata</i> Walker 1865	<i>Tagoropsis natalensis</i> Felder, 1874	1867458 ⁺	<i>Kisansapelebele</i> ²	L	2	Malaisse and Parent, 1980
		54JW6	<i>Tagoropsis sabulosa</i> Rothschild 1907			<i>Kisansapelebele</i> ²	L	-	Latham <i>et al.</i> 2021
		7DZK3	<i>Urota sinope</i> Westwood 1849		-	<i>Finakisumgwa</i> ²	L	3	Malaisse and Parent, 1980
		7F36D	<i>Usta terpsichore</i> Maassen et Weyding 1885		-	<i>Finashimpanpa</i> ²	L	4	Malaisse and Parent, 1980
		9984974 ⁺	<i>Samia ricini</i> (Jones 1791)		-	<i>Nsani gata</i> ³	L	2	Salvation Army, 2019
Sphingidae	64GRC	Acherontia atropos L. 1758			-	<i>Munsonia sona</i> ³	L	1	Latham, 2005
	B7YD	<i>Agrius convolvuli</i> L. 1758	<i>Herse convolvuli</i> (L., 1758)		-	-	L	-	Latham, 2005
	345MT	<i>Daphnis nerii</i> L. 1758			-	<i>Kindengula</i> ¹	L	-	Latham, 2021
	M3BK	<i>Hippotion eson</i> Cramer 1779			-	-	L	-	Malaisse and Lognay 2003
	3M3BX	<i>Hippotion osiris</i> Dalman 1823			-	<i>Idishi</i> (in Mbala),	L	-	Tango, 1981
	1862765	<i>Hyles livornica</i> (Esper, 1780)			-	<i>Kidishi verti</i> ³	L	-	Latham <i>et al.</i> 2021
	3W4GQ	<i>Lophostethus dumolinii</i> Angas 1849			-	<i>Mansanga</i> ⁶	L	-	Tango, 1981
	46Y7C	<i>Nephela comma</i> Hopffer 1857			-	<i>Livuli</i> (in Niemba; Katanga)	L	-	Latham <i>et al.</i> 2021
	4JYTD	<i>Platysphinx stigmatica</i> Mabille 1878			-	<i>Munsonia</i> ³	L	-	Latham, 2005
	10656421	<i>Polyptychus guessfeldti</i> Dewitz 1879			-	<i>Finamukuntampel</i> ²	L	-	Latham <i>et al.</i> 2021
Odonata	Libellulidae	593VM	<i>Trithemis arteriosa</i> Burmeister 1839		-	<i>Lipungu pungu</i> ¹	A	-	Malaisse and Parent, 1980
Orthoptera	Acrididae	8SZB	<i>Acanthacris ruficornis</i> (Fabricius 1787)		-	-	A	-	Malaisse and Parent, 1980
		66J5H	<i>Anacridium burri</i> Dirsh & Uvarov 1953		-	-	-	-	Malaisse and Parent, 1980
		33JVM	<i>Cyrtacanthacris aeruginosa</i> (Stoll, C. 1813)		-	-	-	-	Malaisse and Parent, 1980
		3MJ37	<i>Homoxyrhhepes punctipennis</i> (Walker F. 1870)		-	-	A	-	DeFoliart, 2002
		72LGF	<i>Locusta migratoria</i> (L. 1758)		-	<i>M'panzi</i> ⁴	L, A	-	Ombeni and Munyuli, 2017
		47NN7	<i>Nomadacris septemfasciata</i> (Serville 1838)*	<i>Cyrtacanthacris septemfasciata</i> (Serville, 1838)	33JY7	-	A	-	DeFoliart, 2002

Table S1. Continued

Order	Family	Species_ID	Species (accepted names)	Species (synonyms)	Synon_ID	Vernacular names	Stages consumed	Host plants Number	Reference
Orthoptera	Acriidae	756H9	<i>Ornithacris pictula</i> (Walker, F. 1870)	* <i>Ornithacris pictula magnifica</i> (Bolívar, I., 1882)	5K2RT	-	-	-	Malaisse and Parent, 1997
		4KT9K	<i>Poecilocerasitis tricolor</i> (Bolívar, I. 1912)	-	-	-	-	-	Malaisse, 2005
Gryllidae	Gryllidae	N379	<i>Brachytrupes membranaceus</i> (Drury 1770)	-	-	Makelele ¹	L, A	“C”	DeFoliart, 2002
		3HGL5	<i>Gryllus (Gryllus) bimaculatus</i> De Geer 1773	-	-	Likekele ¹	A	“C”	Kelemu et al., 2015
Grylloitalpidae	Grylloitalpidae	46FJZ	<i>Neocurtilla hexadactyla</i> (Perty 1832)	<i>Grylloitalpa longipennis</i> Scudder, S.H, 1862	6KTN5	<i>N'kwananzi</i> ⁴	-	-	Ombeni and Munyuli, 2017
		7GF7X	<i>Zonocerus variegatus</i> (L. 1758)	-	-	-	A	“C”	Kekeunou and Tamesse, 2016
Pyrgomorphidae	Pyrgomorphidae	4HDS5	<i>Phymateus (Phymateus) viridipes</i> Stål 1873	-	-	-	-	-	Malaisse and Parent, 1980
		4TRBL	<i>Ruspolia differens</i> (Serville 1838)	-	-	Shonkonono ²	A	-	Malaisse and Parent, 1980
Neuroptera	Myrmeleontidae	4TRCH	<i>Ruspolia nitidula</i> (Scopoli 1786)	<i>Homorocoryphus nitidulus</i> (Scopoli, 1786) ⁽⁴⁾	1686461 ⁺	-	A	-	DeFoliart, 2002
		3J9H9	<i>Hagenomyia tristis</i> (Walker 1853)	-	-	-	-	-	Malaisse, 2010
Mantodea	Mantidae	3RNTP	<i>Lachlathetes moestus</i> (Hagen 1853)	-	-	-	-	-	Malaisse, 2010
		4Z27V	<i>Sphodromantis centralis</i> Rehn 1914	-	-	Likwanga-nzala ³	-	-	Malaisse, 2010

- (1) The IDs (of species names or synonyms) are from <https://www.catalogueoflife.org>. Otherwise they are from: ^(LX) <https://www.nhm.ac.uk/our-science/data/lepidex> or ⁽⁺⁾ <https://www.gbif.org/fr>.
- (2) For Species (accepted name): ⁽¹⁾ *Termes amplus* Sjöstedt, 1899 has priority over *Termes gabonensis* Sjöstedt, 1900 used by DeFoliart (2002). *T. gabonensis* Sjöstedt, 1900 is a new name given to *T. müllerii* Sjöstedt, 1898, as it was preoccupied by *T. müllerii* Ihering 1887 - according to Krishna et al. (2013).
- (3) The character ** on Species (accepted names) or Species (synonyms) indicates which one has been used by the reference reported in this table.
- (4) For Species (synonyms): ⁽²⁾ *Clania moddermanni* (author?) used by DeFoliart (2002) is a synonym of *Eumeta moddermanni* Heylaerts, 1888 – according to Bourgogne (1955). ⁽³⁾ Mopane worm (*Gonimbrasia belina*) is also known as *Imbrasia belina* – according to Kwiri et al. (2020). ⁽⁴⁾ *Homorocoryphus* species have been relegated to the genus *Ruspolia* – according to Bailey and McCrae (1978).
- (5) Stages and castes consumed are: wA = Winged Adult, A = Adult, E = Eggs, L = Larvae, N = Nymph, P = Pupae, Q = Queen, S = Soldier. Hyphen (-) stands for unavailable data.
- (6) For Vernacular names, languages used (with their ISO 639-3 language identifiers and total number of users worldwide given in parentheses - according to Ethnologue) are as follows: ¹ Lingala (lin: 2,292,520.), ² Chibemba (bem: 4,110,000), ³ Kikongo (kon: 6,932,500), ⁴ Mashi (shr: 654,000), ⁵ Ngandu (nxd: 220,000), ⁶ Tshiluba (lua: 7,060,000), ⁷ Kinande (nnb: 903,000), ⁸ Swahili (swc: 11,143,000), ⁹ Poke (pof: 46,000), ⁰ The local language used is undetermined (Source : <https://www.ethnologue.com/browse/codes>. Website consulted on 18 January 2022).
- (7) For host plants number: the numbers (1 – 30) indicate how many host plant species are recorded in this study. For 38 selected edible lepidopterans, the ecological associations with their host plants countrywide are illustrated in Table S2. Hyphen (-) stands for data not compiled in this study as the species is not listed in Table S2. For Letters: “A” = The species is a pest of Arecaceae, “C” = The species is a pest of diverse crops., “F” = The species is reported to feed mainly on the leaves of *Boerhavia diffusa* L. and secondarily on other plants of food value (e.g., *Arachis hypogaea* L., *Brassica oleracea* L., *Manihot esculenta* Crantz, *Phaseolus vulgaris* L, *Zea mays* L.). Preliminary results for its breeding on *B. diffusa* under uncontrolled conditions have been recently provided (Numbi Muya et al. 2021).

Table S2. Recorded host plants for main edible Lepidopteran species (List of 35 families, 79 genera and 122 host plant species for 38 selected lepidopteran species) Hyphen (-) indicates no reported association between species of insects (columns) and host plants (rows) based on the literature reviewed in the current study.

Table S2. Continued

Food Plant Family	Food Plant (Species names, uses or status)	A. atropos	A. panda	A. insignata	A. gigas	A. semialba	B. alcinoe	B. aurantiaca	C. hyperbius	C. forda	C. caenii	D. uniformis	E. lacaea	E. carteri	G. zamboesina	G. richelmanni	G. hecate	H. ethiopica	I. obscura	I. epiphthea	I. atopia	I. anthina	I. dione	I. eriti	I. rubra	I. truncata	I. macrotrys	I. antithoides	I. oyemensis	I. eblis	L. phaeopus	L. saturnus	M. parva	M. nereis	N. prasinodes	P. discramps	U. terpichore
Fabaceae	<i>Baphia bequaertii</i> De Wild.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	<i>Brachystegia boehmii</i> Taub. ^{1,3,5,8,C}	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	<i>Brachystegia laurentii</i> (De Wild.) Hoyle ^{1,8,F}	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	<i>Brachystegia longifolia</i> Benth. ^{1,3,8,F}	-	-	1	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	<i>Brachystegia microphylla</i> Harms ^{3,F}	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	<i>Brachystegia spiciformis</i> Benth. ^{1,3}	-	-	1	-	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	<i>Brachystegia stipulata</i> De Wild. ^{3,8,F}	-	-	1	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	<i>Brachystegia taxifolia</i> Harms ^F	-	-	1	1	1	1	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	<i>Brachystegia utilis</i> Burtt Davy & Hutch. ^{3,4,9,F}	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	<i>Burkea africana</i> Hook. ^{1,3,4,5,7,8,9,C,F,S}	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	<i>Dichrostachys cinerea</i> (L.) Wi. & Arn. ^{1,3,5,9,C,F}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	<i>Entada abyssinica</i> A.Rich. ^{1,3,8}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	<i>Entada africana</i> Guill. & Perr. ^{1,3,5,8,9,C}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	<i>Erythrina abyssinica</i> DC. ^{1,3,5,8,9,C}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	<i>Erythrophleum africanum</i> (Benth.) Harms ^{1,3,8}	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	<i>Erythrophleum suaveolens</i> (G. & P.) Bren. ^{1,3,4,5,8}	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	<i>Gossweilerodendron balsamiferum</i> (V.) Harms ^{EN}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	<i>Isobertia angolensis</i> (B.) Hoyle & Brenan ^{1,3,8}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	<i>Julbernardia globiflora</i> (Benth.) Troupin ^{1,3,5,8,C,F}	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	<i>Julbernardia paniculata</i> (Benth.) Troup. ^{1,3,4,8,F}	-	-	1	1	1	1	1	-	1	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
	<i>Leptoderris congoensis</i> (De Wild.) Dunn ¹	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	<i>Millettia eetveldeana</i> (Micheli) Hauman ^{1,8}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	<i>Millettia laurentii</i> De Wild. ^{EN}	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	<i>Millettia versicolor</i> Baker ^{1,5,8}	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	<i>Millettia barteri</i> (Benth.) Dunn ^{1,8,F}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	<i>Pentaclethra eetveldeana</i> De Wil. & Dur. ^{1,3,7,8}	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	<i>Pilosostigma thomningii</i> (Schum.) Mil.-Red. ^{1,3,4,6,8,9,F}	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	<i>Piptadeniastrum africanum</i> (Hook.f.) Bren. ^{1,8,F}	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	<i>Pterocarpus angolensis</i> DC. ^{1,5,7,8,9,C}	-	-	1	-	1	1	1	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-				
	<i>Pterocarpus tinctorius</i> Welw. ^{1,3,4,8}	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	<i>Scorodophloeus zenkeri</i> Harms ^{1,2,3,8,C,S}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Gentianaceae	<i>Anthocheila schweinfurthii</i> Gilg ^{1,3,5,8}	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Hypericaceae	<i>Psorospermum febrifugum</i> Spach ^{1,5}	-	-	1	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Lamiaceae	<i>Vitex madiensis</i> Oliv. ^{1,3,6,F}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Lauraceae	<i>Persea americana</i> Mill. ^{1,3,4,5,6,7,8,9}	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Lecythidaceae	<i>Petersianthus macrocarpus</i> (P. Bea.) Liben ^{1,3,5,8}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-		
Loganiaceae	<i>Strychnos innocua</i> Delile ^{1,3,6,8,9,C,F,S}	-	-	1	-	-	-	-	1	-	-	-	1	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	<i>Strychnos potatorum</i> L. fil. ^{1,8}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	<i>Strychnos pungens</i> Soler. ^{1,6}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-		
Malvaceae	<i>Eribroma oblonga</i> (Mast.) Pierre ex A. Chev. ^{RU}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<i>Sterculia tragacantha</i> Lindl. ^{1,8}	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<i>Triplochiton scleroxylon</i> K. Schum. ^{1,8,F}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Meliaceae	<i>Ekebergia benguelensis</i> Welw. ex C. DC. ¹	-	-	-	-	-	1	1	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-		
	<i>Entandrophragma angolense</i> (Wel.) C. DC. ^{RU}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-		

Table S2. Continued

Food Plant Family	Food Plant (Species names, uses or status)	A. atropos	A. panda	A. insignata	A. gigas	A. semialba	B. alcinoe	B. aurantiaca	C. hyperbius	C. fordii	C. caenii	D. uniformis	E. lacaea	E. carteri	G. zamboesina	G. richelmanni	G. hecate	H. ethiopica	I. obscura	I. epiphthea	I. atropia	I. anthina	I. dione	I. eriti	I. rubra	I. truncata	I. macrothyris	I. antithoides	I. oyemensis	I. eblis	L. phaeopus	L. satuninus	M. parva	M. nereis	N. prasinodes	P. discramps	U. terpischore
	<i>Entandrophragma candollei</i> Harms VU	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	<i>Entandrophragma cylindricum</i> (Sprague) VU	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	<i>Entandrophragma utile</i> (D. & S.) Sprague VIU	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	<i>Khaya anthotheca</i> (Welw.) C. DC. VU	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Moraceae	<i>Chlorophora excelsa</i> (Wel.) Ben. & Hook. F. NT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Myristicaceae	<i>Coelocaryon botryoides</i> Vermoesen ⁸	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-		
	<i>Pycnanthus angolensis</i> (Welw.) Exell ^{1,3,7,8}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-		
	<i>Staudtia kamerunensis</i> Warb. ^{1,8}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-		
Myrtaceae	<i>Psidium guajava</i> L. ^{1,3,5,6,8,C}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	<i>Syzygium guineense</i> (Willd.) DC. ^{1,3,4,6,8}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Ochnaceae	<i>Ochna afzelii</i> R. Br. ex Oliv. ¹	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	<i>Ochna schweinfurthiana</i> F. Hoffm. ^{1,4}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Peraceae	<i>Chaetocarpus africanus</i> Pax ⁸	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Phyllanthaceae	<i>Antidesma membranaceum</i> Müll.Arg. ¹	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	<i>Antidesma venosum</i> E. Mey. ex Tul. ^{1,6}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	<i>Bridelia atroviridis</i> Müll.Arg. ¹	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	<i>Bridelia duvigneaudii</i> J. Léonard ⁶	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	<i>Bridelia ndellenensis</i> Beille ¹	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	<i>Hymenocardia acida</i> Tul. ^{1,3,4,9}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	<i>Hymenocardia ulmoides</i> Oliv. ^{1,3,8}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	<i>Pseudolachnostylis maprouneifolia</i> Pax ^{1,3,4,5,8}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-		
	<i>Uapaca guineensis</i> Müll.Arg. ^{1,3,8,F}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-		
	<i>Uapaca kirkiana</i> Müll.Arg. ^{1,3,4,6,8,9,C}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	<i>Uapaca nitida</i> Müll.Arg. ^{1,3,6,8}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	<i>Uapaca pilosa</i> Hutch. ⁶	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	<i>Uapaca sansibarica</i> Pax ^{1,3,6,8}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Poaceae	<i>Hyparrhenia diplandra</i> (Hack.) Stapf ⁹	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	<i>Imperata cylindrica</i> (L.) P.Beaup. ^{1,5,9,F}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Rhamnaceae	<i>Maesopsis eminii</i> Engl. ^{1,3,6,8,9}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-		
Rubiaceae	<i>Crossopteryx febrifuga</i> (Afz. ex G.Don) Ben. ^{1,9}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	<i>Nauclea latifolia</i> Sm. ^{1,F}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	<i>Tapiphylum discolor</i> (De Wild.) Robyns	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	<i>Tetrapleurus tetrapterus</i> (S. & T.) Taub. ^{1,6,8}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Sapotaceae	<i>Autranella congolensis</i> (De Wild.) A.Chev. ^{CR}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Solanaceae	<i>Solanum macrocarpon</i> L. ^{1,2,6}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Urticaceae	<i>Musanga cecropioides</i> R. Br. apud Tedlie ^{1,3,8,C,F}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Zingiberaceae	<i>Aframomum albiviolaceum</i> (Ridl.) K.Schum. ^{1,6}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	<i>Aframomum giganteum</i> (Oliv. & D. Hanb.) ^{1,6}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

(1) For Food plant uses: 1 = Medicinal; 2 = Food or Vegetables; 3 = Fuel or Coal; 4 = Dye or Tannins; 5 = Ornamental; 6 = Fruit use; 7 = Vegetable oil; 8 = Timber; 9 = Forage or Feed; C = Carbohydrates or Starch; F = Fiber; S = Spices and condiments; P = Pulses and cereals (Source: <https://www.prota4u.org/database/search.asp>. Website consulted on 19 January 2022).

(2) For Status: NT = Near Threatened; VU = Vulnerable; EN = Endangered; CR = Critically Endangered (Source: <https://www.iucnredlist.org>. Website consulted on 20 January 2022).

Table S3_List of Unidentified Edible Insect Species in DRC (na = No data available on this)

Num	Order	Family	Genus	Species	Host plants	Location in DRC	Vernacular names	Observation	Source
1	Coleoptera	Buprestidae	<i>Sternocera</i> (<i>Polycteis</i> ?)	<i>sp.</i>	na	Equateur	<i>Taku</i> (in lingala), <i>Ihumbo</i> (in Ngandu), <i>Nkankiti</i> (in Kikongo)	Larvae consumed	Mapunzu 2004, Takeda 1990, Latham 2003
2	Coleoptera	Scarabaeidae	<i>Gnathocera</i>	<i>sp.</i>	na	Kisangani, Tshopo	<i>Malomba loka,</i> <i>Mfundu,</i> <i>Nsindi</i> (in Kikongo)	na	Latham 2003
3	Coleoptera	Scarabaeidae	<i>Goliathus</i>	<i>sp.</i>	na	Lwiro, Sud-Kivu	<i>Manjaku</i> (in Kibembe)	na	Munyuli Bin Mushanba 2000
4	Coleoptera	Scarabaeidae	<i>Goliathus</i>	<i>sp.</i>	na	na	na	na	De Foliart 2002
5	Hemiptera	-	<i>Naucorides</i>	na	na	Bas-congo, Kisangani, Tshopo	<i>Mukoko</i> (in Kikongo), <i>Balalanga</i> (in Ngando)	na	Latham 2003
6	Hymenoptera	Noctuidae	<i>Prodenia</i>	<i>sp.</i>	na	na	na	Larvae consumed	De Foliart 2002
7	Hymenoptera	Sphecidae	<i>Sceliphron</i> (<i>Pelopoeus</i>)	<i>sp.</i>	na	na	na	na	Jongema 2017
8	Hymenoptera	Formicidae	<i>Sternotornis</i>	<i>sp.</i>	na	na	na	na	De Foliart 2002
9	Hymenoptera	Vespidae	<i>Synagris</i>	<i>sp.</i>	na	na	na	Larvae consumed. It is thought to make one susceptible to skin infections.	De Foliart 2002
10	Hymenoptera	Apidae	<i>Trigona</i>	<i>sp.</i>	na	na	na	na	De Foliart 2002, Hoare, 2007
11	Isoptera	Termitidae	<i>Bellicositermes</i>	<i>spp.</i>	na	na	<i>Minsendi</i> (in Kikongo)	Soldiers, winged adults consumed	Latham 2003
12	Isoptera	Termitidae	<i>Cubitermes</i>	<i>spp.</i>	na	Lwiro, Sud-Kivu	<i>Mandoi</i> (in Barega)	na	Munyuli Bin Mushanba 2000
13	Isoptera	Termitidae	<i>Macrotermes</i>	<i>spp.</i>	na	na	<i>Minsendi</i> (in Kikongo)	Larvae consumed	De Foliart 2002
14	Isoptera	Termitidae	<i>Macrotermes</i>	<i>sp.</i>	na	na	na	Soldiers, winged adults consumed	Kelemu <i>et al.</i> 2015

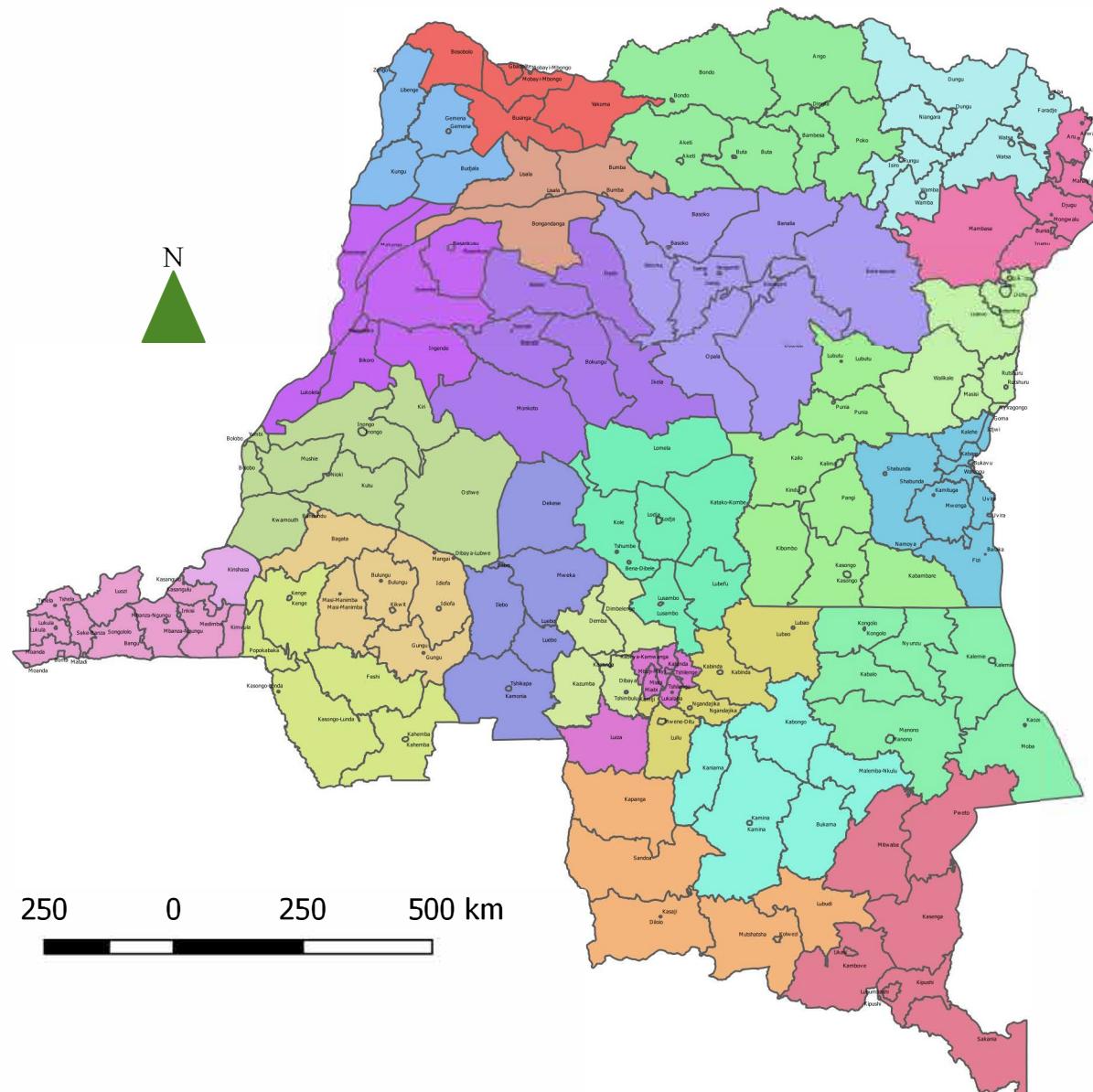
Table S3_Continued

Num	Order	Family	Genus	Species	Host plants	Location in DRC	Vernacular names	Observation	Sources
15	Isoptera	Termitidae	<i>Odontotermes</i>	<i>sp.</i>	na	na	<i>Likalolo</i> (in Ngandu)	na	Takeda 1990
16	Isoptera	Termitidae	<i>Trinervitermes</i>	<i>sp.</i>	na	na	<i>Kinsasapelebele</i> (in Kibemba)	na	Mapunzu 2004
17	Lepidoptera	Notodontidae	<i>Anaphe</i>	<i>sp.</i>	<i>Petersianthus macrocarpus</i> , <i>Bridelia atroviridis</i> Benth, <i>Bridelia micrantha</i>	Bandundu	na	Larvae consumed	Malaisse 1997
18	Lepidoptera	Notodontidae	<i>Antheua</i>	<i>sp.</i>	<i>Hymenocardia almoides</i> , <i>Millettia eetveldeana</i>	Katanga, Territoire Bemba	na	Larvae consumed	Malaisse 1997
19	Lepidoptera	Saturniidae	<i>Argemia</i>	<i>sp.</i>	<i>Erythrina abyssinica</i> , <i>Acacia hockii</i> , <i>Cassia</i> sp.	Bas-congo	<i>Munsona</i>	Orphan's food (nsona = orphan)	Latham 2003
20	Lepidoptera	Saturniidae	<i>Bunaeopsis</i>	<i>sp.</i>	<i>Pycnanthus angolensis</i> , <i>Canaga odorat</i>	na	na	Larvae consumed	Malaisse 2005
21	Lepidoptera	Ceratocampidae	<i>Ceratocampid</i>	<i>spp.</i>	na	na	na	Larvae, adults consumed	De Foliart 2002
22	Lepidoptera	Saturniidae	<i>Gonimbrasia</i>	<i>sp.</i>	<i>Hymenocardia acida</i> , <i>Annona senegalensis</i>	na	<i>Lihakala</i> (in Ngandu)	Larvae consumed	Takeda 1990
23	Lepidoptera	Lasiocampidae	<i>Gonometa</i>	<i>sp.</i>	<i>Albizzia grandibracteata</i> , <i>Albizzia gummifera</i> , <i>Albizzia adiantifolia</i>	na	na	Larvae consumed	De Foliart 2002
24	Lepidoptera	Saturniidae	<i>Imbrasia</i>	<i>spp.</i>	<i>Maesobotrya vermeulenii</i>	Kwili	na	Larvae consumed	Mbemba and Remacle 1992
25	Lepidoptera	Saturniidae	<i>Micragone</i>	<i>sp.</i>	<i>Allophylus africanus</i>	na	na	Winged adults consumed	De Foliart 2002
26	Lepidoptera	Sphingidae	<i>Platysphinx</i>	<i>sp.</i>	<i>Millettia versicolor</i> , <i>Crosopteryx febrifuga</i>	na	na	Wasp brood eaten	De Foliart 2002
27	Lepidoptera	Saturniidae	<i>Saturnia</i>	<i>sp.</i>	na	Equateur	<i>Elungu</i> (in Ngandu)	Larvae consumed	Takeda 1990
28	Hymenoptera	Apidae	<i>Trigona</i> (<i>Hypotrigona</i>)	<i>sp.</i>	na	na	na	The larvae and honey are eaten raw	Ichikawa 1981
29	Orthoptera	Tettigoniidae	<i>Ruspolia</i>	<i>sp.</i>	na	Kasai (Luba)	na	Larvae and adults are consumed	Malaisse 2005

Legend:

Map of 26 provinces of DRC

- [Kinshasa] Kinshasa [A]
- [Kongo-Central] Kongo-Central [B]
- [Kwango] Kwango [C]
- [Kwilu] Kwilu [C]
- [Mai-Ndombe] Mai-Ndombe [C]
- [Equateur] Equateur [D]
- [Mongala] Mongala [D]
- [Nord-Ubangi] Nord-Ubangi [D]
- [Sud-Ubangi] Sud-Ubangi [D]
- [Tshuapa] Tshuapa [D]
- [Kasai] Kasai [E]
- [Kasai-Central] Kasai-Central [E]
- [Kasai-Oriental] Kasai-Oriental [F]
- [Lomami] Lomami [F]
- [Sankuru] Sankuru [F]
- [Haut-Katanga] Haut-Katanga [G]
- [Haut-Lomami] Haut-Lomami [G]
- [Lualaba] Lualaba [G]
- [Tanganyika] Tanganyika [G]
- [Maniema] Maniema [H]
- [Nord-Kivu] Nord-Kivu [I]
- [Sud-Kivu] Sud-Kivu [J]
- [Bas-Uele] Bas-Uele [K]
- [Haut-Uele] Haut-Uele [K]
- [Ituri] Ituri [K]
- [Tshopo] Tshopo [K]



Author: Nsevolo P. M. On QGIS 2.18. Las Palams, On the 20 April/2022

Figure S1. Map of the current configuration of DRC. In the legend, letters in square brackets indicate correspondence between current and former provinces: [A] Kinshasa, [B] Bas-Congo, [C] Bandundu, [D] Equateur, [E] Kasai-Occidental, [F] Kasai-Oriental, [G] Katanga, [H] Maniema, [I] Nord-Kivu, [J] Sud-Kivu and [K] Province Orientale.

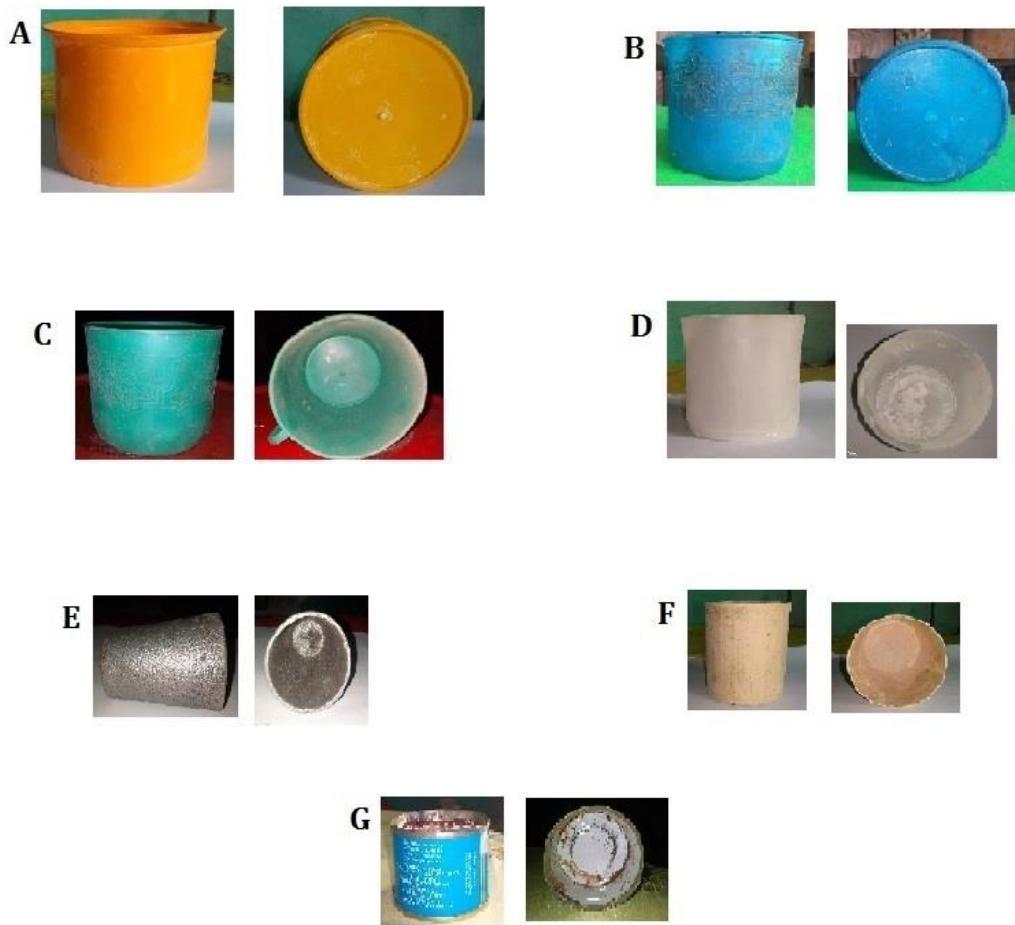


Figure S2. The main local units of edible insects could be grouped in two: Truncated cones (E, F) and Cylinders (A, B, C, D, G). For illustration: [A] **Ekolo** ($> 1.227 \text{ cm}^3$), [B] **Ebundeli** ($> 556 \text{ cm}^3$), [C] **Kopo** ($> 550 \text{ cm}^3$), [D] **Sakombi** ($> 487 \text{ cm}^3$), [E] **Verre ya bambou** ($> 173 \text{ cm}^3$), [E] **Verre ya plastic** ($> 170 \text{ cm}^3$), [G] **Linzanza ya tomate** ($> 55.3 \text{ cm}^3$).

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