

SMT1

Species from seed rain in urban (U) and rural (R) fragments of Atlantic Forest in Pernambuco, during two years study (2015 to 2016)

Family	Species	H	DS	CS	2015		2016	
					U	R	U	R
Anacardiaceae	<i>Spondias mombin</i> L.	Ar	Zoo	PI	-	-	-	X
	<i>Tapirira guianensis</i> Aubl.	Ar	Zoo	IS	X	X	X	X
	<i>Thyrsodium spruceanum</i> Benth.	Ar	Zoo	IS	X	X	X	X
Annonaceae	<i>Anaxagorea dolichocarpa</i> Sprague & Sandwith	Ar	Aut	LS	X	X	X	X
	<i>Guatteria schomburgkiana</i> Mart.	Ar	Zoo	LS	X	X	-	-
	<i>Xylopia frutescens</i> Aubl.	Ar	Zoo	IS	X	X	X	X
Araliaceae	<i>Schefflera morototoni</i> (Aubl.) Manguire, Steyerm. & Frodi	Ar	Zoo	PI	X	X	X	X
Arecaceae (Palmae)	<i>Bactris humilis</i> (Wallace) Burret	Sh			-	-	X	-
	<i>Elaeis guineensis</i> Jacq.	Ar	Zoo	PI	-	-	-	X
Asteraceae	Asteraceae sp1		Ane	nc	X	X	X	X
	Asteraceae sp2		Ane	Nc	-	-	X	-
Boraginaceae	<i>Cordia nodosa</i> Lam.	Ar	Ane	PI	-	X	-	-
Burseraceae	<i>Protium heptaphyllum</i> (Aubl.) Marchand	Ar	Zoo	IS	X	X	X	X
Cecropiaceae	<i>Cecropia pachystachya</i> Trécul.	Ar	Zoo	PI	X	X	X	X
	<i>Maytenus distichophylla</i> Mart. Ex Reissek	Ar	Zoo	LS	X	X	X	X
Chrysobalanaceae	<i>Licania Kunthiana</i> Hook.f.	Ar	Zoo	LS	X	-	X	-
	<i>Licania tomentosa</i> (Benth.) Fritsch	Ar	Zoo	LS	X	X	X	-
	<i>Hirtella racemosa</i> (Lam.) Willd. Ex Roem. & Schult	Sh	Zoo	LS	X	-	X	-
Appendix 1. Continuation...								
Family	Species	H	DS	CS	2015		2016	

					<u>U</u> <u>R</u>		<u>U</u> <u>R</u>	
Clusiaceae	<i>Symphonia globulifera</i> L.F.	Ar	Zoo	PI	-	X	-	X
	<i>Tovomita brevistaminea</i> Engl.	Ar	Zoo	LS	X	-	X	-
Convolvulaceae	<i>Ipomea setosa</i> Ker Gawl.	Cl	Aut	Nc	X	-	-	-
	<i>Merremia aegyptia</i> (L.) Urb.	Cl	Ane	Nc		X	X	X
Curcubitaceae	Curcubitaceae sp1					X	-	-
	<i>Gurania bignoniaceae</i> (Poepp. & Endl.) C. Jeffrey A. Melo	Cl		Nc	X	-	-	X
Elaeocarpaceae	<i>Sloanea cf. guianensis</i> (Aubl.) Benth.	Ar	Zoo	LS	-	-	X	-
Erythroxylaceae	<i>Erythroxylum citrifolium</i> A. St. Hill.	Sh	Zoo	LS	X	-	X	X
	<i>Erythroxylum mucronatum</i> Benth.	Sh	Zoo	PI	X	X	X	X
	<i>Erythroxylum squamatum</i> Sw.	Sh	Zoo	LS	-	-	X	-
Euphorbiaceae	<i>Maprounea guianensis</i> Aubl.	Ar	Aut	IS	X	X	X	X
	Euphorbiaceae sp1				X	X	-	-
	Euphorbiaceae sp2				X	-	-	-
	<i>Pogonophora schomburgkiana</i> Miers ex Benth.	Ar	Aut	LS	X	X	X	X
Fabaceae (Cesalpinioideae)	<i>Hymenaea courbaril</i> L.	Ar	Zoo	LS	-	X	-	-
	<i>Sclerolobium densiflorum</i> Benth	Ar	Ane	PI	X	X	X	
	<i>Sclerolobium rugosum</i> Mart. Ex Benth	Ar	Ane	IS	X	-	-	-
Fabaceae (Faboidae)	<i>Albizia pedicellaris</i> (DC.) L. Rico	Ar	Aut	PI	-	X	-	X
	<i>Dialium guianense</i> (Aubl.) Sandwith	Ar	Aut	LS	-	X	X	X
	<i>Pterocarpus rohrii</i> Vahl	Ar	Ane	IS	X	-	-	-
	<i>Pterocarpus violaceus</i> Vogel	Ar	Ane	LS	X	-	-	-
Fabaceae (Leguminosae)	<i>Chamaecrista ensiformis</i> (Vell.) H.S. Irwin & Barneby	Ar	Aut	IS	X	-	X	X
Fabaceae (Mimosoideae)	<i>Parkia pendula</i> (Willd.) Benth. ex Walper.	Ar	Aut	LS	X	X	X	X
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					<u>U R</u>		<u>U R</u>	
Lauraceae	<i>Ocotea cf. indecora</i> (Schott) Mez	Ar	Zoo	LS	-	-	X	-
	<i>Ocotea glomerata</i> (Nees) Mez	Ar	Zoo	IS	X	X	X	X
	<i>Ocotea gardneri</i> (Meisn.) Mez	Ar	Aut	IS	X	X	-	X
Lecythidaceae	<i>Eschweilera ovata</i> (Cambess.) Miers	Ar	Aut	LS	X	X	-	X
	<i>Lecythis pisonis</i> Cambess.	Ar	Zoo	LS	-	X	-	-
Malpighiaceae	<i>Banisteriopsis adenopoda</i> (A. Juss.) B. Gates	Cl	Ane	Nc	X	X	X	X
	<i>Banisteriopsis lucida</i> (Rich.) Small	Cl	Ane	Nc	X	-	X	-
	<i>Banisteriopsis pubipetala</i> (A. Juss.) Cuatrec.	Cl	Ane	Nc	-	-	X	-
Melastomataceae	<i>Miconia aff. amacurensis</i> Wurdack	Ar	Zoo	IS	X	X	X	X
	<i>Miconia minutiflora</i> (Blonpl.) DC.	Ar	Zoo	PI	X	X	X	X
	<i>Miconia prasinaa</i> (Sw.) DC.	Ar	Zoo	PI	X	X	X	X
Moraceae	<i>Brosimum guianense</i> (Aubl.) Huber	Ar	Zoo	IS	-	X	-	-
	<i>Brosimum rubescens</i> Taub.	Ar	Zoo	LS	-	-	X	X
	<i>Helicostilis tomentosa</i> (Poepp. & Endl.) Rusby	Ar	Zoo	IS	X	X	X	X
	<i>Soroceae hilarii</i> Gaudich.	Ar	Zoo	IS	X	-	-	-
Myrtaceae	<i>Calyptranthes dardanoi</i> Mattos	Ar	Zoo	IS	X	X	-	-
Passifloraceae	<i>Passiflora</i> sp1	Cl		Nc	X	X	X	X
Poaceae	<i>Olyra latifolia</i> L.	He	Ane	IS	X	-	X	X
Polygonaceae	<i>Coccoloba mollis</i> Casar	Ar	Aut	PI	X	-	-	-
	<i>Coccoloba guianensis</i> Meisn.	Sh		Nc	X	-	-	-
	<i>Coccoloba latifolia</i> Lam.	Ar	Zoo	LS	-	-	-	X
Rhamnaceae	<i>Gouania blanchetiana</i> Miq.	Cl	Ane	PI	X	X	X	X
Rubiaceae	<i>Posoqueria latifolia</i> Roem. & Schult	Sh	Zoo	IS	X	-	-	-
Appendix 1. Continuation...								
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					<u>U</u> <u>R</u>		<u>U</u> <u>R</u>	
Rubiaceae	<i>Psychotria carthagenensis</i> Jacq.	Sh	Zoo	IS	X	X	-	-
	<i>Genipa americana</i> L	Ar	Zoo	LS	X	-	-	-
	<i>Rubiaceae</i> sp1			Nc	X	-	-	-
Sapindaceae	<i>Matayba</i> sp.			Nc	X	-	-	-
	<i>Paullinia pinnata</i> L.	Cl	Zoo	PI	-	-	-	X
	<i>Serjania hebecarpa</i> Benth	Cl	Ane	LS	X	X	-	X
	<i>Serjania salzmanniana</i> Schledit	Cl	Ane	PI	X	X	X	X
Sapotaceae	<i>Manilkara salzmannii</i> (A. DC.) H.J. Lam.	Ar	Zoo	PI	X	-	-	-
	<i>Sapotaceae</i> sp1			Nc	-	X	-	-
Simaroubaceae	<i>Simarouba amara</i> Aubl.	Ar	Zoo	IS	X	X	X	X
Solanaceae	<i>Lycianthus</i> sp.	Cl		Nc	X	-	-	-
	<i>Solanum</i> sp.			Nc	-	-	X	-
Tiliaceae	<i>Christiana africana</i> DC.		Aut		-	-	X	-
Violaceae	<i>Payparola blanchetiana</i> Tul.	Ar	Aut	LS	X	-	-	X
	Morphospecie 8				X	-	-	-
	Morphospecie 13				-	X	X	-
	Morphospecie 14				-	X	-	-
	Morphospecie 26				X	-	-	-
	Morphospecie 29				X	-	X	-
	Morphospecie 32				X	-	-	-
	Morphospecie 33				X	-	-	-
	Morphospecie 41				-	X	-	-
	Morphospecie 42				-	X	-	-

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Family	Species	H	DS	CS	<u>2015</u>	<u>2016</u>
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		<u>U R</u>		<u>U R</u>	
Morphospecie 43		-	X	-	-
Morphospecie 44		-	X	X	-
Morphospecie 47		-	X	-	-
Morphospecie 81		-	-	X	-
Morphospecie 82		-	-	X	-
Morphospecie 54		-	-	X	-
Morphospecie 83		-	-	X	-
Morphospecie 84		-	-	-	X

Where H = habit (Ar = arboreal, Sh = shrub, He = herbaceous, Cl = climbing), DS = Dispersion syndrome (Zoo = zoochoric, Ane = Anemochoric, Aut = autochoric); CS = successional category (PI = pioneers; IS = initial secondary; LS = late secondary; NC = no characterization); - = species absence; x = species presence.