

Published by the British
Herpetological Society

Appendix 1. Dietary composition of adult males and females of *Anotosaura vanzolinia* from Caatinga. F = frequency; N = number; V = volume; RII = relative importance index.

Prey Items	Males (n=29)								Females (n=38)							
	Occurance		Pooled stomachs						Occurance		Pooled stomachs					
	F	F%	N	N%	V	V%	RII	RII%	F	F%	N	N%	V	V%	RII	RII%
GASTROPODA																
Pulmonata	-	-	-	-	-	-	-	-	1	2.63	1	0.37	8.00	0.90	3.35	0.07
DIPLOPODA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARACHNIDA																
Araneae	2	6.90	4	1.90	9.28	1.30	22.10	0.34	5	13.16	7	2.60	55.38	6.24	116.38	2.57
MALACOSTRACA																
Isopoda	1	3.45	1	0.48	4.00	0.56	3.57	0.05	2	5.26	7	2.60	6.14	0.69	17.34	0.38
INSECTA																
Blattaria	-	-	-	-	-	-	-	-	2	5.26	6	2.23	38.00	4.28	34.29	0.76
Coleoptera	5	17.24	5	2.38	14.27	2.00	75.50	1.15	13	34.21	22	8.18	128.50	14.49	775.35	17.11
Coleoptera (larvae)	7	24.14	13	6.19	229.59	32.15	925.38	14.08	3	7.89	4	1.49	72.91	8.22	76.62	1.69
Diptera	1	3.45	1	0.48	1.00	0.14	2.12	0.03	2	5.26	2	0.74	2.00	0.23	5.10	0.11
Eggs	4	13.79	34	16.19	53.00	7.42	325.68	4.95	7	18.42	87	32.34	87.07	9.82	776.59	17.13
Hemiptera	-	-	-	-	-	-	-	-	1	2.63	3	1.12	37.43	4.22	14.04	0.31
Hymenoptera (Formicidae)	13	44.83	36	17.14	71.45	10.00	1216.92	18.51	14	36.84	38	14.13	76.07	8.57	836.36	18.45
Hymenoptera (non-Formicidae)	-	-	-	-	-	-	-	-	2	5.26	2	0.74	14.38	1.62	12.44	0.27
Isoptera	12	41.38	109	51.90	305.49	42.77	3917.75	59.59	12	31.58	57	21.19	145.48	16.40	1187.03	26.19
Larvae	1	3.45	1	0.48	1.00	0.14	2.12	0.03	10	26.32	20	7.43	139.24	15.70	608.71	13.43
Lepidoptera (larvae)	-	-	-	-	-	-	-	-	1	2.63	2	0.74	56.00	6.31	18.57	0.41
Orthoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PLANT MATERIAL	1	3.45	1	0.48	0.05	0.01	1.67	0.03	3	7.89	4	1.49	7.07	0.80	18.04	0.40
NON-IDENTIFIED	4	13.79	5	2.38	25.06	3.51	81.25	1.24	3	7.89	7	2.60	13.41	1.51	32.48	0.72
Total	-	-	210	-	714.19	-	-	-	-	-	269	-	887.08	-	-	-
Niche breadth	-	-	3.03	-	3.29	-	-	-	-	-	5.41	-	9.23	-	-	-

Appendix 2. Diet composition of adults and juveniles of *Anotosaura vanzolinia* from Caatinga. F = frequency; N = number; V = volume; RII = relative importance index.

Prey Items	Adults (n=67)								Juveniles (n=53)							
	Occurrence		Pooled stomachs						Occurrence		Pooled stomachs					
	F	F%	N	N%	V	V%	RII	RII%	F	F%	N	N%	V	V%	RII	RII%
GASTROPODA																
Pulmonata	1	1.49	1	0.21	8.00	0.50	1.06	0.02	-	-	-	-	-	-	-	-
DIPLOPODA	-	-	-	-	-	-	-	-	1	1.89	1	0.55	3.00	0.77	2.49	0.04
ARACHNIDA																
Araneae	7	10.45	11	2.30	64.66	4.04	66.18	1.35	3	5.66	3	1.65	4.22	1.08	15.45	0.27
MALACOSTRACA																
Isopoda	3	4.48	8	1.67	10.14	0.63	10.32	0.21	3	5.66	7	3.85	9.38	2.40	35.37	0.62
INSECTA																
Blattaria	2	2.99	6	1.25	38.00	2.37	10.82	0.22	5	9.43	5	2.75	20.99	5.38	76.65	1.34
Coleoptera	18	26.87	27	5.64	142.77	8.92	390.97	7.96	12	22.64	18	9.89	47.01	12.04	496.55	8.69
Coleoptera (larvae)	10	14.93	17	3.55	302.50	18.89	334.93	6.82	8	15.09	21	11.54	142.93	36.61	726.75	12.72
Diptera	3	4.48	3	0.63	3.00	0.19	3.64	0.07	-	-	-	-	-	-	-	-
Eggs	11	16.42	121	25.26	140.07	8.75	558.35	11.37	-	-	-	-	-	-	-	-
Hemiptera	1	1.49	3	0.63	37.43	2.34	4.42	0.09	-	-	-	-	-	-	-	-
Hymenoptera (Formicidae)	27	40.30	74	15.45	147.51	9.21	993.80	20.24	32	60.38	84	46.15	65.66	16.82	3802.11	66.56
Hymenoptera (non-Formicidae)	2	2.99	2	0.42	14.38	0.90	3.93	0.08	-	-	-	-	-	-	-	-
Isoptera	24	35.82	166	34.66	450.97	28.16	2250.22	45.83	8	15.09	30	16.48	54.68	14.00	460.19	8.06
Larvae	11	16.42	21	4.38	140.24	8.76	215.76	4.39	4	7.55	5	2.75	12.03	3.08	43.98	0.77
Lepidoptera (larvae)	1	1.49	2	0.42	56.00	3.50	5.84	0.12	-	-	-	-	-	-	-	-
Orthoptera	-	-	-	-	-	-	-	-	3	5.66	3	1.65	21.17	5.42	40.02	0.70
PLANT MATERIAL	4	5.97	5	1.04	7.13	0.44	8.89	0.18	2	3.77	2	1.10	1.37	0.35	5.47	0.10
NON-IDENTIFIED	7	10.45	12	2.51	38.48	2.40	51.28	1.04	1	1.89	3	1.65	7.99	2.05	6.97	0.12
Total	-	-	479	-	1601.28	-	-	-	-	-	182	-	390.43	-	-	-
Niche breadth	-	-	4.63	-	6.60	-	-	-	-	-	3.74	-	4.89	-	-	-

Appendix 3. Diet composition of *Anotosaura vanzolinia* from Caatinga by season. F = frequency; N = number; V = volume; RII = relative importance index.

Prey Items	Dry season								Wet season							
	Occurance		Pooled stomachs						Occurance		Pooled stomachs					
	F	F%	N	N%	V	V%	RII	RII%	F	F%	N	N%	V	V%	RII	RII%
GASTROPODA																
Pulmonata	-	-	-	-	-	-	-	-	1	1.41	1	0.20	8.00	0.58	1.11	0.02
DIPLOPODA																
ARACHNIDA																
Araneae	2	4.08	3	1.74	0.50	0.08	7.45	0.14	8	11.27	11	2.25	68.38	4.98	81.49	1.56
MALACOSTRACA																
Isopoda	2	4.08	6	3.49	8.33	1.35	19.73	0.38	4	5.63	9	1.84	11.19	0.82	14.96	0.29
INSECTA																
Blattaria	5	10.20	5	2.91	20.99	3.39	64.25	1.22	2	2.82	6	1.23	38.00	2.77	11.26	0.22
Coleoptera	14	28.57	23	13.37	119.80	19.34	934.68	17.79	16	22.54	22	4.50	69.98	5.10	216.30	4.15
Coleoptera (larvae)	10	20.41	24	13.95	272.05	43.92	1181.14	22.48	8	11.27	14	2.86	173.37	12.63	174.61	3.35
Diptera	-	-	-	-	-	-	-	-	3	4.23	3	0.61	3	0.22	3.52	0.07
Eggs	-	-	-	-	-	-	-	-	11	15.49	121	24.74	140.07	10.21	541.50	10.39
Hemiptera	1	2.04	3	1.74	37.43	6.04	15.89	0.30	-	-	-	-	-	-	-	-
Hymenoptera (Formicidae)	28	57.14	67	38.95	46.27	7.47	2652.77	50.49	31	43.66	91	18.61	166.91	12.16	1343.57	25.77
Hymenoptera (non-Formicidae)	1	2.04	1	0.58	10.94	1.77	4.79	0.09	1	1.41	1	0.20	3.44	0.25	0.64	0.01
Isoptera	6	12.24	23	13.37	40.46	6.53	243.72	4.64	26	36.62	173	35.38	465.19	33.90	2536.88	48.66
Larvae	3	6.12	3	1.74	8.03	1.30	18.61	0.35	12	16.90	23	4.70	144.24	10.51	257.14	4.93
Lepidoptera (larvae)	-	-	-	-	-	-	-	-	1	1.41	2	0.41	56.00	4.08	6.32	0.12
Orthoptera	3	6.12	3	1.74	21.17	3.42	31.61	0.60	-	-	-	-	-	-	-	-
PLANT MATERIAL	4	8.16	5	2.91	2.49	0.40	27.01	0.51	2	2.82	2	0.41	6.00	0.44	2.38	0.05
NON-IDENTIFIED	3	6.12	6	3.49	30.92	4.99	51.93	0.99	5	7.04	9	1.84	15.54	1.13	20.94	0.40
Total	-	-	172	-	619.38	-	-	-	-	-	489	-	1372.31	-	-	-
Niche breadth	-	-	4.71	-	4.01	-	-	-	-	-	4.40	-	5.72	-	-	-

Appendix 4. Date of collection and hatch, incubation time (number of days) and morphology of the hatchlings of *Anotosaura vanzolinia* from Caatinga. SVL = snout-vent length, TL = tail length, HL = head length, HW = head width, HH = head height, BW = body width, BH = body height, FLL = forelimb length and HLL = hindlimb length.

Individual	Date of collection	Date of hatch	Incubation time	SVL	TL	HL	HW	HH	BW	BH	FLL	HLL
1	25/07/2013	03/08/2013	9	18.05	19.93	3.77	2.74	1.87	2.26	2.16	2.49	5.44
2	28/09/2013	05/10/2013	7	18.53	17.18	4.27	2.79	1.96	2.48	1.75	3.23	5.16
3	28/09/2013	16/11/2013	49	19.57	18.95	3.82	2.70	1.78	2.81	1.55	2.43	4.74
4	28/09/2013	16/11/2013	49	17.49	15.06	3.38	2.42	1.65	2.31	1.16	2.92	4.41
5	12/04/2014	25/05/2014	49	20.13	17.80	4.62	2.69	1.79	1.73	2.03	2.83	5.10
6	12/04/2014	25/05/2014	43	18.94	17.98	4.35	2.88	1.96	2.24	1.91	2.48	5.48
7	12/04/2014	25/05/2014	43	19.25	17.65	4.35	2.78	2.04	2.41	2.25	2.51	4.62
	Mean		-	18.85	17.79	4.08	2.71	1.86	2.32	1.83	2.70	4.99
	Standard Deviation		-	0.91	1.52	0.43	0.14	0.13	0.32	0.38	0.30	0.41