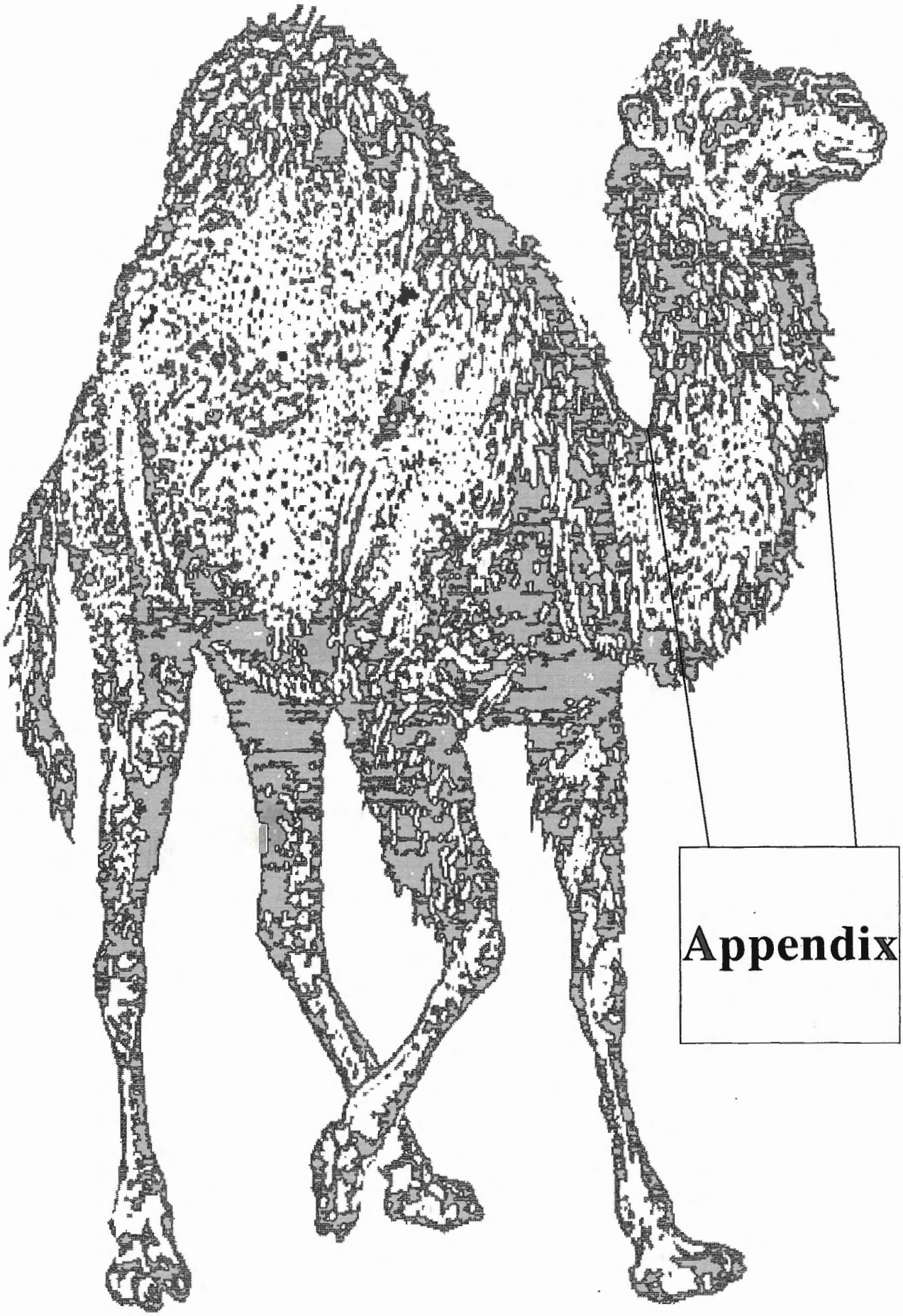


Appendix

Appendix

Compendium of Figures and Tables in the Appendix

DRINKING FREQUENCIES

HABITAT USE

RANGE UTILIZATION

ACTIVITY PATTERNS

MEASUREMENT OF THE BODY TEMPERATURE

Part II

Table AT0: Individuals in the research paddock

legend: see page 253

name	abbr.	sex	age	Σ sightings	dur. of observ.	remarks
N1/13	13	m	s.ad.	2008	GU	
N1/14	14	m	s.ad.	2198	GU	
alter Alter	aA	m	ad.	1353	GU	
Andreas	Ad	m	ad.	12	25.06.87-30.08.87	died
Alice	Al	f	fo.	173	* 26.08.89	daughter of Hb
Anne	An	f	fo.-s.ad.	531	* 12.08.88	daughter of KW
Astrid	As	f	ad.	3061	GU	
Bierdeckel	Bd	m	ad.	1683	04.11.86-19.07.88	died after fight
Ben	Be	m	fo.-s.ad.	1014	since 25.06.87	son of We
B-chen	Bi	f	fo.-s.ad.	2514	* 29.08.87	daughter of H1
Bodo	Bo	m	fo.	402	* 18.06.89	son of T1
Christoph	Ch	m	fo.-s.ad.	1946	* 14.09.87	son of As
Cleo	Cl	f	ad.	532	since 22.01.89	
David	Da	m	fo.	258	* 23.07.89	son of KH
erfahrene Alte	eA	f	ad.	2436	GU	
Ede	Ed	m	ad.	512	since 22.07.88	
Emma	Em	f	ad.	721	since 22.01.89	
Esther	Es	f	fo.	523	* 20.11.88	daughter of N16
Franziska	Fa	f	ad.	389	since 22.01.89	
Fremder	Fd	m	ad.	1290	since 04.11.86	
Floh	Fl	m	fo.	208	* 01.05.89	son of H4
Fidel	Fi	m	s.ad.	143	since 11.08.88	
Frank	Fr	m	s.ad.-ad.	716	since 06.07.88	
George	Gg	m	fo.	664	* 29.10.88	son of T2
Greg	Gr	m	s.ad.	44	since 04.08.89	
Gustav	Gu	m	fo.-s.ad.	2250	* 30.08.86	son of T3
Gypsy	Gy	f	fo.	173	* 03.08.89	daughter of H1
Halsband 1	H1	f	ad.	3245	GU	
Halsband 2	H2	f	ad.	3352	GU	
Halsband 3	H3	f	s.ad.-ad.	3422	GU	
Halsband 4	H4	f	ad.	2992	GU	

Table AT0: Individuals in the research paddock

name	abbr.	sex	age	Σ sightings	dur. of observ.	remarks
Harvey	Ha	m	fo.-s.ad.	865	since 25.06.87	son of Tr
Hellbraune	Hb	f	ad.	2045	since 25.06.87	
Herrmann	He	m	ad.	790	02.08.86-30.09.86	
					since 14.04.88	
Helle	Hl	f	s.ad.-ad.	1856	since 25.06.87	
Hansi	Hn	m	ad.	25	22.04.88-12.06.88	
Howard	Ho	m	ad.	2012	since 22.05.87	
I-chen	In	f	fo.-s.ad.	2262	* 16.07.87	daughter of T1
Jackson	Ja	m	fo.	371	* 19.06.89	son of RT
Jeanette	Je	f	ad.	451	since 30.04.89	
Jeremy	Jr	m	s.ad.	128	since 04.08.89	
K-chen	Ka	f	fo.-s.ad.	3503	* 04.11.86	daughter of Kl
Klapphöcker	KH	f	ad.	3106	GU	
Klappi	Kl	f	ad.	3191	GU	
Kora	Ko	f	fo.-s.ad.	1869	* 06.10.87	daughter of KH
Klappsohn	KS	m	fo.-s.ad.	2030	GU	son of KH
Kurt	Ku	m	fo.	4	* 09.09.89	son of We
Kleine Wedge	KW	f	ad.	1408	since 25.06.87	
Lothar	Lh	m	ad.	26	since 25.06.89	
Lotta	Lo	f	s.ad.-ad.	1703	since 15.02.88	
mit	m	m	s.ad.	1503	02.08.86-28.03.88	
Manfred	Ma	m	ad.	432	since 16.06.88	
Michele	Mi	f	ad.	532	since 22.01.89	
Mo	Mo	f	fo.-s.ad.	1915	* 20.10.87	daughter of RT
Mushroom	Mu	m	ad.	14	31.08.87-15.09.87	
N1/16	N16	f	ad.	2723	GU	
N1/8	N8	f	s.ad.-ad.	3557	GU	
N1/9	N9	f	ad.	1224	02.08.86-11.01.88	died
Nena	Ne	f	fo.	14	* 12.09.89	daughter of Pf
Norbert	No	m	fo.	284	* 23.06.89	son of H2
not yet	ny	m	s.ad.-ad.	282	since 08.09.88	
ohne	o	m	s.ad.	1411	GU	
Ophelia	Op	f	fo.	21	* 17.09.89	daughter of Tr

Table AT0: Individuals in the research paddock

name	abbr.	sex	age	Σ sightings	dur. of observ.	remarks
Paula	Pa	f	fo.-s.ad.	2441	* 19.09.87	daughter of Pf
Pfeife	Pe	m	ad.	59	10.09.86-22.12.86	died
Pfeilstute	Pf	f	ad.	3048	GU	
Ruth	Rh	f	ad.	208	22.01.89-29.03.89	died
Riese	Ri	m	ad.	1367	since 04.11.86	
Rod	Ro	m	s.ad.	66	since 04.08.89	
Rippensohn	RS	m	fo.-s.ad.	1402	GU	son of RT
Rippentier	RT	f	ad.	2838	GU	
Rudi	Ru	m	s.ad.	481	since 10.06.88	
Schwarzer	Sc	m	s.ad.	1146	02.08.86-12.08.88	
Siggi	Si	m	fo.	677	* 15.09.88	son of T4
Schwarznase	Sn	m	fo.-s.ad.	2307	* 04.11.86	son of N16
Tel 1	T1	f	ad.	3060	GU	
Tel 2	T2	f	ad.	2696	GU	
Tel 3	T3	f	ad.	1437	02.08.86-08.01.88	died
Tel 4	T4	f	s.ad.-ad.	2714	GU	
Teufel	Te	m	fo.-s.ad.	2314	* 03.11.86	son of Wd
Töchterchen	Tö	f	fo.-s.ad.	1885	02.08.86-25.09.88	daughter of H1, died
Träne	Tr	f	ad.	1797	since 25.06.87	
Telson	TS	m	fo.-s.ad.	1518	GU	son of T2
Trevor	Tv	m	s.ad.	46	since 04.08.89	
Ursel	Ur	f	fo.	257	* 23.07.89	daughter of As
Vivien	Vi	f	fo.	452	* 25.01.89	daughter of Hl
Volker	Vo	m	fo.	671	* 31.10.88	son of eA
Wedge	Wd	f	ad.	2858	02.08.86-12.07.89	
Weiße	We	f	ad.	1960	since 25.06.87	
Wilhelm	Wh	m	fo.	9	* 15.09.89	son of Lo
Willi	Wi	m	fo.-s.ad.	801	since 25.06.87	Sohn von KW
Weißer	Wr	m	s.ad.-ad.	1070	GU	
X	x	m	s.ad.	119	25.06.87-02.02.88	

GU = individuum was under observation during the complete period of the studies
since = immigrated
* = date of birth
all individuals were under observation until the end of the studies as long as there is no other information

Table AT1: List of food plants of the dromedary in central Australia

Explanations:
NH = own observations in main study area Newhaven
RW = additional food plants from Ringwood Station
TR = additional food plants from Todd River Station
* = abundant in the research paddock, use not observed

Family	Species			Record
Acanthaceae	Dipteracanthus australasicus		TR	
Aizoaceae	Aizoon zygophylloides			Newman
Aizoaceae	Trianthema triquetra	*		Newman
Amaranthaceae	Alternanthera angustifolia	NH		
Amaranthaceae	Alternanthera spec.	NH		
Amaranthaceae	Ptilotus astrolasius	NH		
Amaranthaceae	Ptilotus atriplicifolius	NH		Newman
Amaranthaceae	Ptilotus calostachyus	NH		
Amaranthaceae	Ptilotus clementii	NH		
Amaranthaceae	Ptilotus helipterioides	NH		
Amaranthaceae	Ptilotus latifolius	NH		
Amaranthaceae	Ptilotus macrocephalus	NH		
Amaranthaceae	Ptilotus obovatus	NH		
Amaranthaceae	Ptilotus polystachyus	NH		
Amaranthaceae	" var. rubiflorus	NH		
Apocynaceae	Carissa lanceolata			Newman
Asclepiaceae	Leichhardtia australis	NH		Newman
Boraginaceae	Heliotropium asperrimum	NH		
Boraginaceae	Heliotropium diversifolium	NH		
Boraginaceae	Heliotropium flaviflorum	NH		
Boraginaceae	Heliotropium ovalifolium	NH		
Boraginaceae	Heliotropium pleiopterum	NH		
Boraginaceae	Heliotropium spec.	NH		
Boraginaceae	Heliotropium tenuifolium	NH		
Brassicaceae	Blennodia canescens	NH		
Brassicaceae	Stenopetalum anfractum	NH		
Brassicaceae	Stenopetalum decipiens	NH		
Brassicaceae	Trichodesma zeylanicum	NH		Newman
Caesalpinaceae	Cassia artemisioides	NH		Newman
Caesalpinaceae	Cassia desolata	NH		Newman
Caesalpinaceae	Cassia nemophila	NH		
Caesalpinaceae	Cassia oligophylla	NH		
Caesalpinaceae	Cassia pleurocarpa	NH		Newman
Capparaceae	Capparis mitchellii		RW	Newman
Capparaceae	Capparis spinosa		TR	
Capparaceae	Cleome viscosa	NH		
Casuarinaceae	Allocasuarina decaisneana	NH		
Chenopodiaceae	Atriplex elachnophylla		RW	Newman
Chenopodiaceae	Atriplex limbata			Newman
Chenopodiaceae	Atriplex spec.	NH		
Chenopodiaceae	Atriplex semibaccata	NH		
Chenopodiaceae	Atriplex vesicaria			Newman
Chenopodiaceae	Chenopodium crispatum	NH		
Chenopodiaceae	Chenopodium melanocarpum	NH		
Chenopodiaceae	Chenopodium spec.	NH		
Chenopodiaceae	Dysphania plantaginella	NH		
Chenopodiaceae	Einadia nutans	NH		
Chenopodiaceae	Enchylaena tomentosa	NH		Newman
Chenopodiaceae	Eremophea spinosa	NH		

Chenopodiaceae	Halosarcia halocneimoides	NH		
Chenopodiaceae	Halosarcia spec.	NH		
Chenopodiaceae	Maireana astrotricha			Newman
Chenopodiaceae	Maireana luehmannii	NH		
Chenopodiaceae	Maireana planifolia			Newman
Chenopodiaceae	Maireana sclerolaenoides		RW	
Chenopodiaceae	Maireana scleroptera		TR	Newman
Chenopodiaceae	Maireana semibaccata		RW	
Chenopodiaceae	Maireana spec.	NH		
Chenopodiaceae	Maireana triptera			Newman
Chenopodiaceae	Neobassia astrocarpa	NH		
Chenopodiaceae	Rhagodia eremaea		TR	
Chenopodiaceae	Rhagodia spinescens	NH		
Chenopodiaceae	Salsola kali	NH		Newman
Chenopodiaceae	Sclerolaena andersonii			Newman
Chenopodiaceae	Sclerolaena birchii	NH		
Chenopodiaceae	Sclerolaena clelandii	NH		
Chenopodiaceae	Sclerolaena cornishiana	NH		
Chenopodiaceae	Sclerolaena deserticola	NH		
Chenopodiaceae	Sclerolaena diacantha	NH		Newman
Chenopodiaceae	Sclerolaena eriacantha	NH		
Chenopodiaceae	Sclerolaena johnsonii	NH		
Chenopodiaceae	Sclerolaena lanicuspis			Newman
Chenopodiaceae	Sclerolaena muricata	NH		
Chenopodiaceae	Sclerolaena parviflora	NH		
Chenopodiaceae	Sclerolaena spec.	NH		
Chenopodiaceae	Threlkeldia inchoata			Newman
Chloanthaceae	Newcastelia spodiotricha	*		Newman
Compositae	Brachycome ciliaris		RW	
Compositae	Calocephalus platycephalus	NH		
Compositae	Calotis hispidula	NH		
Compositae	Calotis kempei		RW	
Compositae	Calotis porphryoglossa	NH		
Compositae	Centipedia minima	NH		
Compositae	Helichrysum ambiguum	NH		
Compositae	" ssp. paucisetum	NH		
Compositae	Helichrysum apiculatum	NH		Newman
Compositae	Helichrysum ayersii	NH		
Compositae	Helichrysum cassinianum	NH		
Compositae	Helichrysum stipitatum	NH		
Compositae	Helipterum charsleyae	NH		
Compositae	Helipterum floribundum	NH		Newman
Compositae	Helipterum moschatum		TR	
Compositae	Helipterum stipitatum	NH		
Compositae	Minuria denticulata	NH		
Compositae	Pluchea tetranthera	NH		
Compositae	Podolepis canescens	NH		
Compositae	Podolepis cappillaris	NH		
Compositae	Pterocaulon serrulatum	NH		
Compositae	Pterocaulon sphacelatum	NH		
Compositae	Senecio gregorii	NH		
Compositae	Vittadinia arida	NH		
Compositae	Vittadinia eremeae	NH		
Compositae	Vittadinia pustulata	NH		
Convolvulaceae	Convolvolus erubescens		RW	Newman
Convolvulaceae	Cuscuta victoriana	NH		
Convolvulaceae	Evolvulus alsinoides	NH		
Convolvulaceae	Ipomoea costata	NH		
Convolvulaceae	Ipomoea muelleri			Newman

Cruciferae	Lepidium mueller-fernandii	NH		
Cruciferae	Lepidium phlebopetalum	NH		
Cucurbitaceae	Citrullus lanatus		RW	Newman
Cyperaceae	Bulbostylis barbata	NH		
Cyperaceae	Cyperus bulbosus	NH		
Cyperaceae	Fimbristylis dichotoma	NH		
Euphorbiaceae	Euphorbia australis	NH		
Euphorbiaceae	Euphorbia biconvexa	NH		
Euphorbiaceae	Euphorbia drummondii	*		Newman
Euphorbiaceae	Euphorbia eremophila	*		Newman
Euphorbiaceae	Euphorbia tannensis	*		Newman
Euphorbiaceae	Phyllanthus fuernrohrii	NH		
Fabaceae	Crotalaria cunninghamii	NH		
Fabaceae	Crotalaria eremea	NH		
Fabaceae	" ssp.strelowii	NH		
Fabaceae	Crotalaria smitheana		RW	
Fabaceae	Dalbergia sissoo			Newman
Fabaceae	Galactia tenuiflora	NH		
Fabaceae	Glycine canescens	*		Newman
Fabaceae	Glycine falcata	NH		
Fabaceae	Indigofera basedowii	NH		
Fabaceae	Indigofera georgei			Newman
Fabaceae	Indigofera linnaei	NH		
Fabaceae	Melilotus parviflora			Newman
Fabaceae	Ptychosema anomalum	NH		
Fabaceae	Rhynchosia minima	NH		
Fabaceae	Swainsona burkei	NH		
Fabaceae	Swainsona cyclocarpa	NH		
Fabaceae	Swainsona flavicarinata	NH		
Fabaceae	Swainsona laciniata	NH		
Fabaceae	Swainsona microphylla	NH		
Fabaceae	Swainsona phacoides	NH		
Fabaceae	Swainsona unifoliata	NH		
Frankeniaceae	Frankenia cordata	NH		
Goodeniaceae	Dampiera candicans	NH		
Goodeniaceae	Goodenia armitiana	NH		
Goodeniaceae	Goodenia lunata	*		Newman
Goodeniaceae	Goodenia virgata	NH		
Goodeniaceae	Leschnaultia divaricata	NH		Newman
Goodeniaceae	Scaevola collaris	NH		
Goodeniaceae	Scaevola collina	NH		
Goodeniaceae	Scaevola ovalifolia	NH		
Goodeniaceae	Scaevola parvibarbata	NH		
Goodeniaceae	Scaevola parvifolia	NH		
Goodeniaceae	Scaevola spinescens	NH		
Gyrostemonaceae	Codonocarpus continiifolius	NH		Leitch
Lauraceae	Cassytha filiformis	NH		
Loranthaceae	Amyema maidenii	NH		Newman
Loranthaceae	Amyema preissii		RW	
Loranthaceae	Lysiana exocarpi	NH		
Malvaceae	Abutilon fraseri	NH		
Malvaceae	Abutilon otocarpum	NH		Newman
Malvaceae	Lawrencia glomerata	NH		
Malvaceae	Lawrencia squamata	NH		
Malvaceae	Malvastrum americanum	NH		
Malvaceae	Sida corrugata			Newman
Malvaceae	Sida cunninghamii	NH		
Malvaceae	Sida everistiana	NH		
Malvaceae	Sida fibulifera	NH		

Malvaceae	Sida platycalyx	NH		
Marsileaceae	Marsilea exarata	NH		
Mimosaceae	Acacia adsurgens	NH		
Mimosaceae	Acacia ammobia	NH		
Mimosaceae	Acacia aneura	NH		Williams
Mimosaceae	Acacia cambagei		RW	Newman
Mimosaceae	Acacia dictyophleba			Newman
Mimosaceae	Acacia estrophiolata		TR	Siebert&Macf.
Mimosaceae	Acacia farnesiana			Newman
Mimosaceae	Acacia georgina		RW	
Mimosaceae	Acacia jennerae	NH		
Mimosaceae	Acacia kempeana	NH		Williams
Mimosaceae	Acacia ligulata	NH		Newman
Mimosaceae	Acacia maitlandii	NH		
Mimosaceae	Acacia mearnsii			Leitch
Mimosaceae	Acacia pruniocarpa	NH		
Mimosaceae	Acacia ramulosa	NH		
Mimosaceae	Acacia sessiliceps	NH		
Mimosaceae	Acacia tetragonophylla	NH		Newman
Mimosaceae	Acacia victoriae	NH		Newman
Myoporaceae	Eremophila duttonii	NH		
Myoporaceae	Eremophila elderi			Newman
Myoporaceae	Eremophila freelingii		TR	
Myoporaceae	Eremophila latrobei	NH		
Myoporaceae	Eremophila longifolia	NH		Newman
Myoporaceae	Eremophila macdonnelli		RW	Newman
Myoporaceae	Eremophila willsii	NH		
Myrtaceae	Eucalyptus gamophylla	NH		Williams
Myrtaceae	Eucalyptus opaca	NH		
Myrtaceae	Eucalyptus papuana	NH		
Myrtaceae	Melaleuca glomerata	NH		
Myrtaceae	Melaleuca lasiandra	NH		
Nyctaginaceae	Boerhavia coccinea	NH		
Nyctaginaceae	Boerhavia diffusa			Newman
Nyctaginaceae	Boerhavia dominii	NH		
Nyctaginaceae	Boerhavia repleta	NH		
Nyctaginaceae	Boerhavia schomburgkiana	NH		
Nyctaginaceae	Boerhavia spec.	NH		
Oleaceae	Jasminum lineare			Newman
Pittosporaceae	Pittosporum phylliraeoides			Newman
Poaceae	Aristida biglandulosa			Newman
Poaceae	Aristida contorta	NH		
Poaceae	Aristida holathera	NH		
Poaceae	Aristida inaequiglumis	NH		
Poaceae	Astrebla pectinata			Newman
Poaceae	Brachiaria gilesii			Newman
Poaceae	Cenchrus ciliaris	NH		Newman
Poaceae	Cynodon dactylon	NH		
Poaceae	Dactyloctenium radulans	NH		Newman
Poaceae	Dichanthium affine	NH		
Poaceae	Dichanthium sericeum	NH		
Poaceae	Digitaria ammophila	NH		
Poaceae	Digitaria coenicola	NH		
Poaceae	Diplachne muelleri	NH		
Poaceae	Enneapogon avenaceus	NH		Newman
Poaceae	Enneapogon cylindricus	NH		Newman
Poaceae	Enneapogon polyphyllus	NH		Newman
Poaceae	Enteropogon acicularis	NH		
Poaceae	Enteropogon minutus	NH		

Poaceae	Eragrostis cumingii	NH		
Poaceae	Eragrostis dielsii	NH		Newman
Poaceae	Eragrostis eriopoda	NH		
Poaceae	Eragrostis falcata	NH		
Poaceae	Eragrostis lacunaria	NH		
Poaceae	Eragrostis leptocarpa	NH		
Poaceae	Eragrostis setifolia	NH		
Poaceae	Eriachne aristidea	NH		
Poaceae	Iseilema macrantherum	NH		
Poaceae	Iseilema vaginiflorum	NH		
Poaceae	Neurachne munroi	NH		
Poaceae	Panicum decompositum	NH		
Poaceae	Panicum effusum			Newman
Poaceae	Panicum spec.	NH		
Poaceae	Paractaenum novae-hollandiae	NH		
Poaceae	Paspalidium constrictum			Newman
Poaceae	Plagiosetum refractum	NH		
Poaceae	Plectrachne schinzii	NH		
Poaceae	Sporobolus caroli	NH		
Poaceae	Sporobolus virginicus	NH		
Poaceae	Tragus australianus	NH		Newman
Poaceae	Triepogon loliiformis	NH		Newman
Poaceae	Triodia basedowii	NH		
Poaceae	Triodia pungens	NH		
Poaceae	Triraphis mollis	NH		
Poaceae	Yakirra australiense	NH		
Polygonaceae	Muehlenbeckia cunninghamii	NH		Newman
Polygonaceae	Rumex versicarius		RW	Newman
Portulacaceae	Calandrinia balonensis	NH		Newman
Portulacaceae	Calandrinia pleiopetala	NH		
Portulacaceae	Calandrinia sp.(undescr.)	NH		
Portulacaceae	Calandrinia stagnensis	NH		
Portulacaceae	Portulaca intraterranea	NH		Newman
Portulacaceae	Portulaca oleracea	NH		Newman
Portulacaceae	Portulaca pilosa	NH		
Proteaceae	Grevillea eriostachya	NH		
Proteaceae	Grevillea juncifolia	NH		Newman
Proteaceae	Grevillea stenobotrya	NH		Newman
Proteaceae	Grevillea striata	NH		
Proteaceae	Grevillea wickhammii	NH		
Proteaceae	Hakea divaricata	NH		
Proteaceae	Hakea eyreana			Siebert&Macf.
Proteaceae	Hakea leucoptera	NH		
Proteaceae	Hakea macrocarpa	NH		
Proteaceae	Hakea subera	NH		
Rhamnaceae	Ventilago viminalis	NH		
Rubiaceae	Canthium latifolium	NH		
Rubiaceae	Synaptantha tillaeacea			Newman
Santalaceae	Santalum lanceolatum		TR	Newman
Sapindaceae	Atalaya hemiglauca	NH		Newman
Solanaceae	Nicotiana benthamiana		RW	
Solanaceae	Nicotiana occidentalis	NH		
Solanaceae	Nicotiana rosulata	NH		
Solanaceae	Solanum centrale	NH		
Solanaceae	Solanum coactiliferum	NH		
Solanaceae	Solanum ellipticum	NH		
Solanaceae	Solanum quadriloculatum	NH		
Solanaceae	Solanum sturtianum	NH		
Sterculiaceae	Keraudrenia integrifolia	NH		

Sterculiaceae	Melhania oblongifolia	NH		
Stylobasiadaceae	Stylobasium spathulatum	NH		
Tetragoniaceae	Tetragonia eremaea			Newman
Thymelaceae	Pimela trichostachya	NH		
Verbenaceae	Clerodendrum floribundum	NH		
Violaceae	Hybanthus aurantiacus		TR	
Violaceae	Hybanthus enneaspermus		TR	
Zygophyllaceae	Tribulopis angustifolia	NH		
Zygophyllaceae	Tribulus astrocarpus	NH		
Zygophyllaceae	Tribulus hirsutus	NH		
Zygophyllaceae	Tribulus hystrix		RW	
Zygophyllaceae	Tribulus occidentalis	NH		
Zygophyllaceae	Tribulus terrestris	NH		Newman
Zygophyllaceae	Zygophyllum ammophilum	NH		Newman
Zygophyllaceae	Zygophyllum aurantiacum			Newman
Zygophyllaceae	Zygophyllum compressum	NH		
Zygophyllaceae	Zygophyllum idiocarpum	NH		
Zygophyllaceae	Zygophyllum spec.	NH		

Explanation to Table AT2:

Nutritive contents of some food plants of the dromedary

On the following three leaflets the analyses of the nutrients and tracer elements of some food plants of the dromedaries in central Australia are shown.

The analyses were carried out by the "Department of Primary Industries and Fisheries" in Alice Springs (1) and in Darwin (2).

The maximum (H), minimum (L) and average analysis values (A) are shown for all measured quantities.

CP, DM, P, Ca, S, Cl, K, Na, Mg and PCSOL are stated in %, Cu, Zn, Mn and Mo in ppm;

- in the table means **not measured.**

1 CP	= Crude Protein, (=total nitrogen x 6.25)
1 DM	= Dry matter digestibility; according to TILLEY & TERRY (1963)
1 P	= Phosphorus
1 Ca	= Calcium
1 S	= Sulfur
2 Cu	= Copper
2 Zn	= Zinc
2 Mn	= Manganese
2 Mo	= Molybdenium
1 PCSOL	= Pepsin Cellulase solubility; according to JONES & HAYWARD (1975)
2 K	= Potassium
2 Cl-	= Chloride
2 Na	= Sodium
2 Mg	= Magnesium

The abbreviations before the examined plant species indicate whether it is a grass (G), a forb (K) or a woody plant (H).

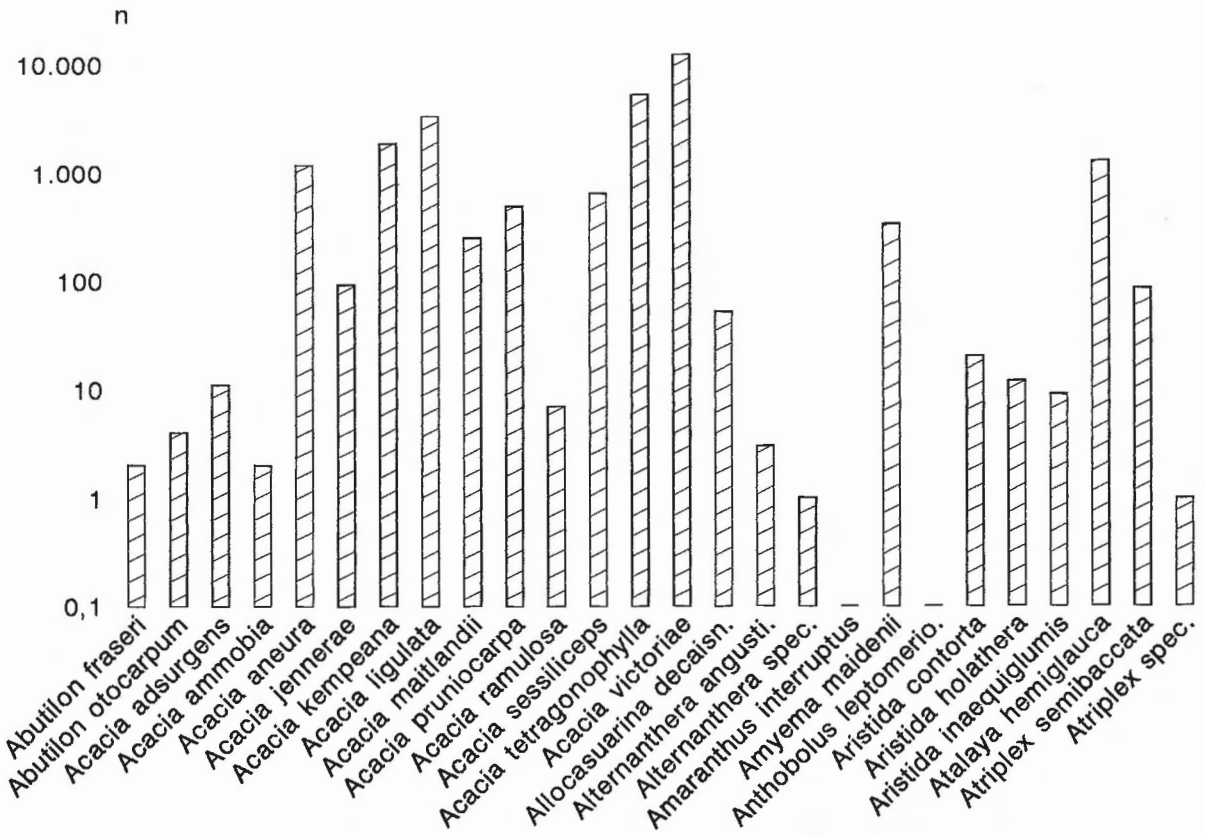


Fig. A1.1: Abundance and use of plant species in the research paddock (1)

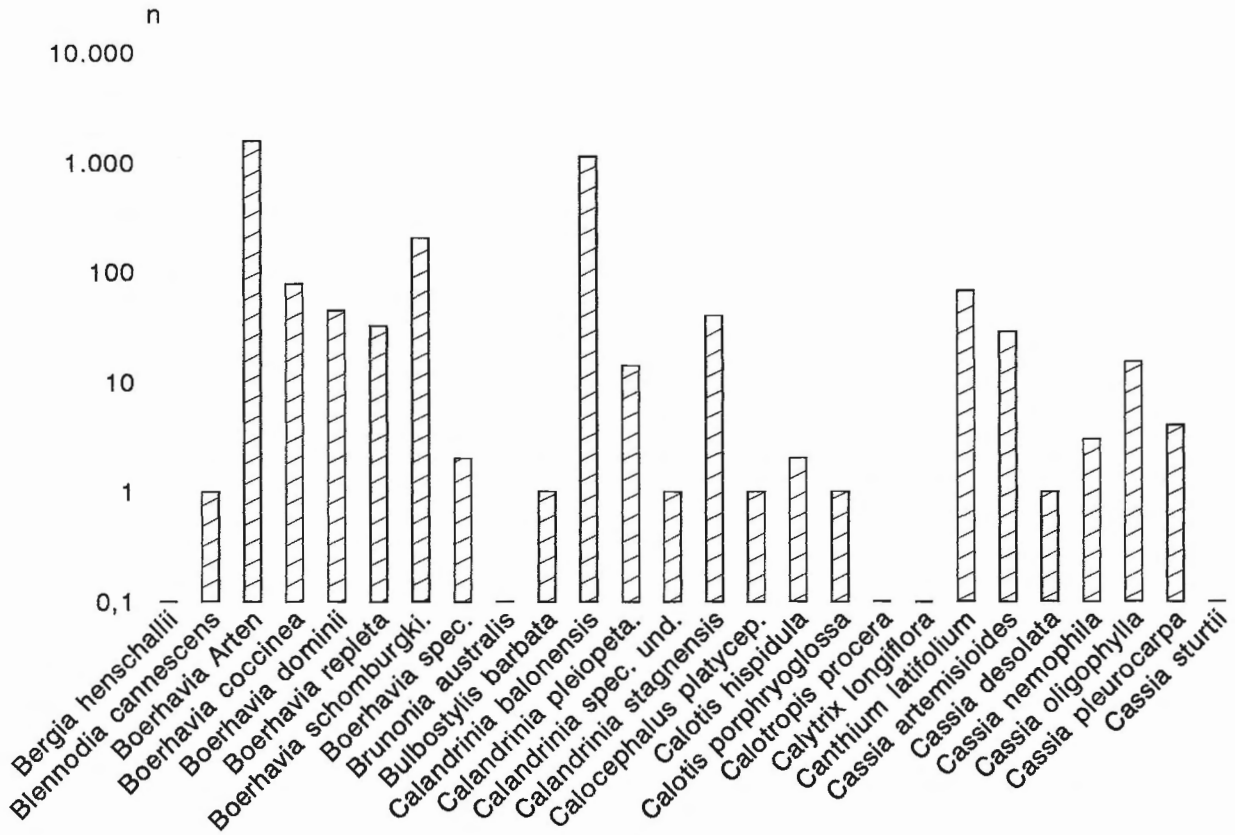


Fig. A1.2: Abundance and use of plant species in the research paddock (2)

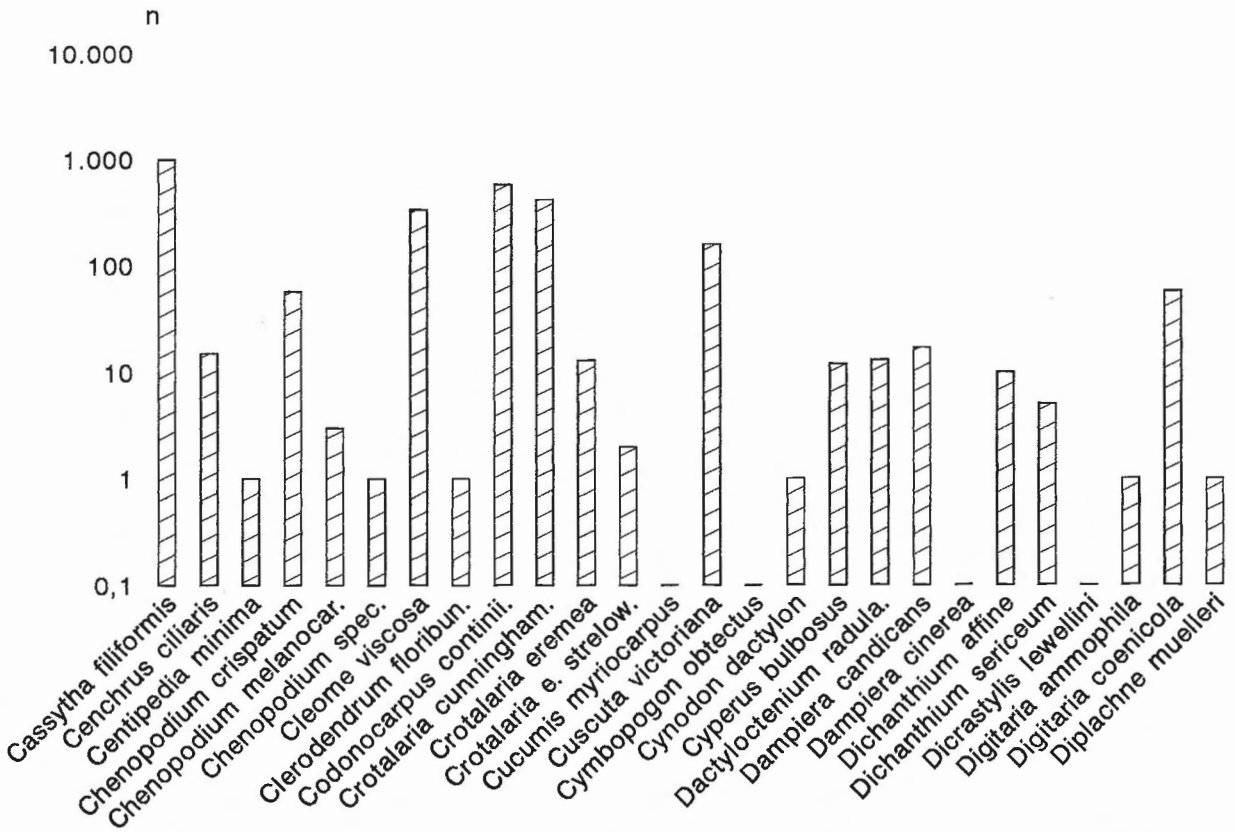


Fig. A1.3: Abundance and use of plant species in the research paddock (3)

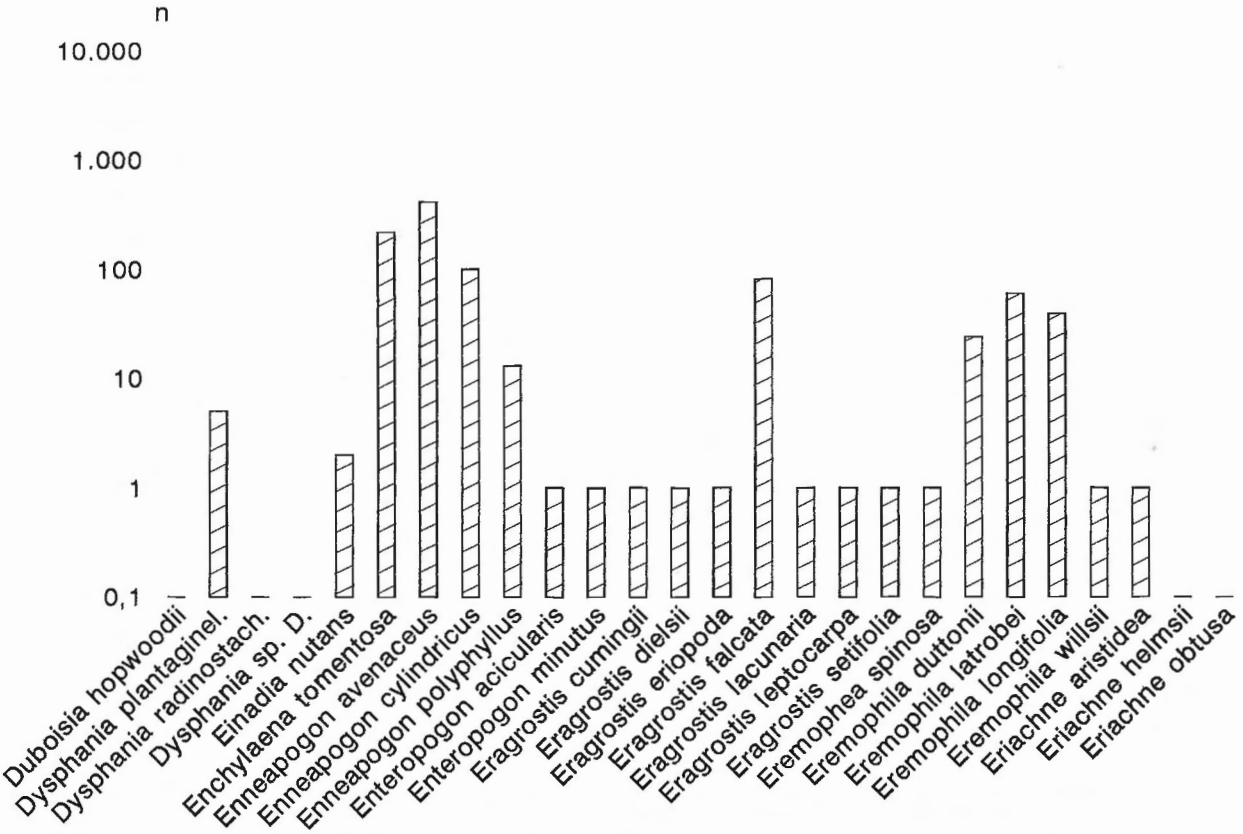


Fig. A1.4: Abundance and use of plant species in the research paddock (4)

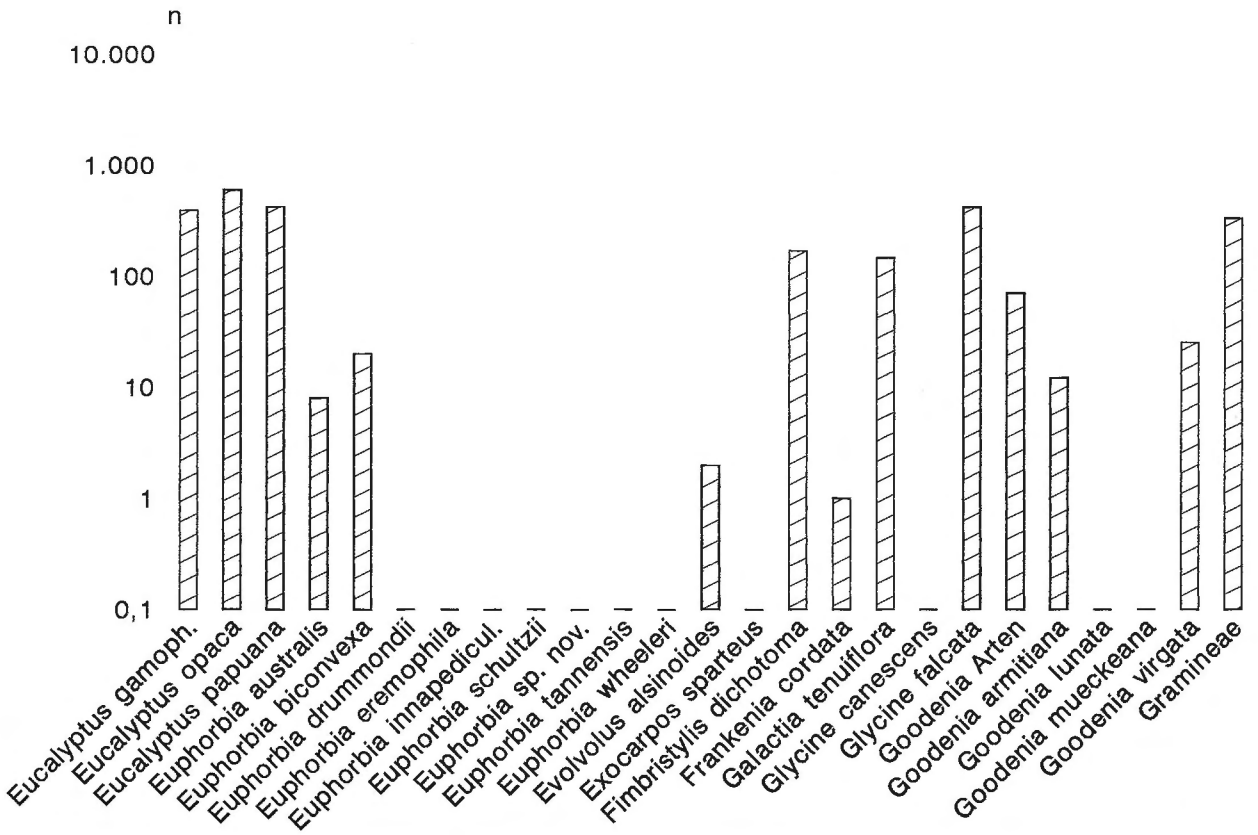


Fig. A1.5: Abundance and use of plant species in the research paddock (5)

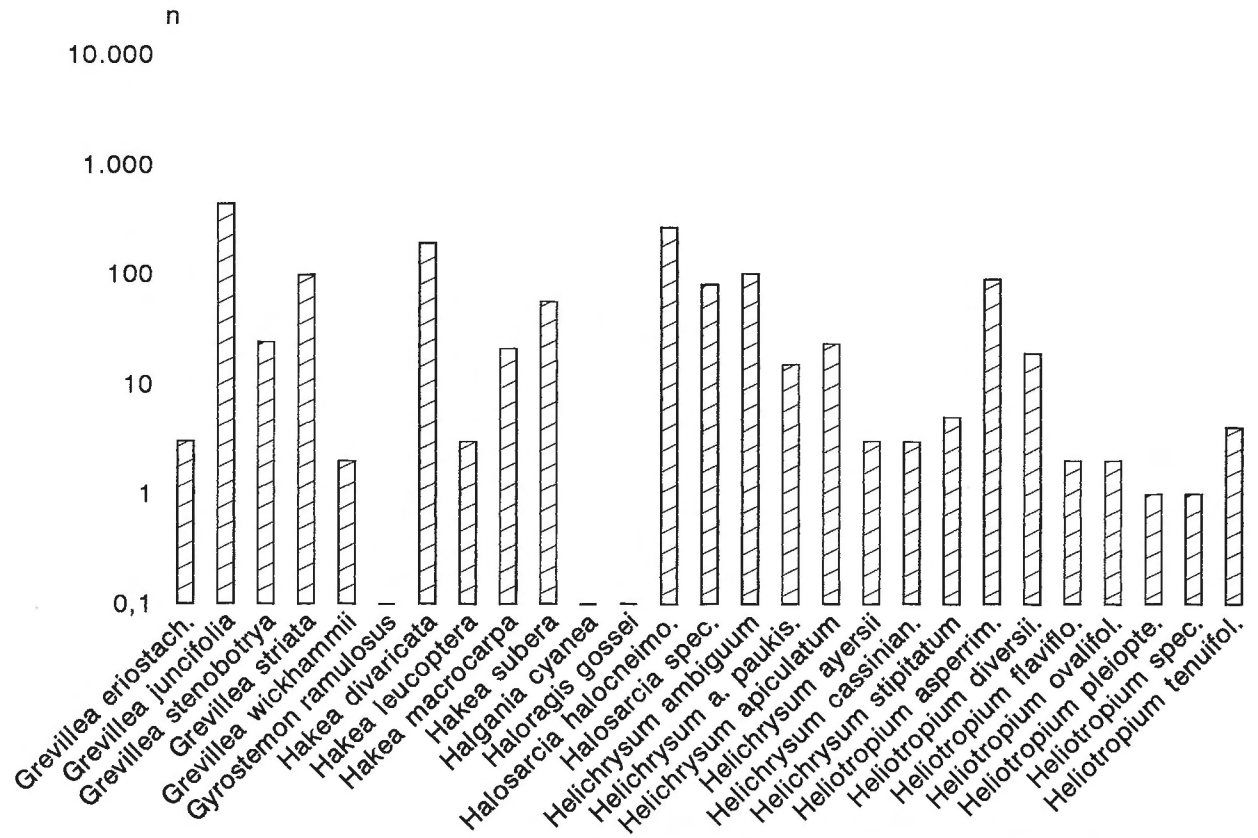


Fig. A1.6: Abundance and use of plant species in the research paddock (6)

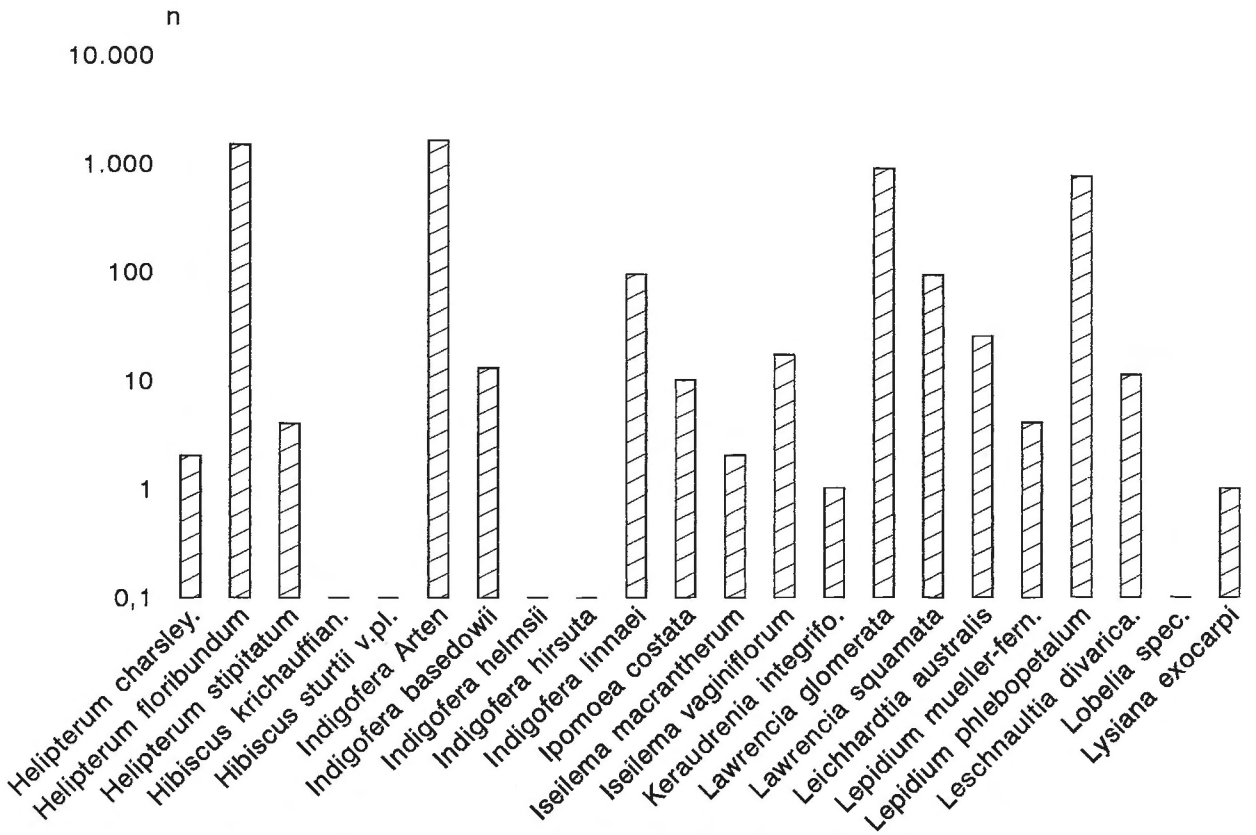


Fig. A1.7: Abundance and use of plant species in the research paddock (7)

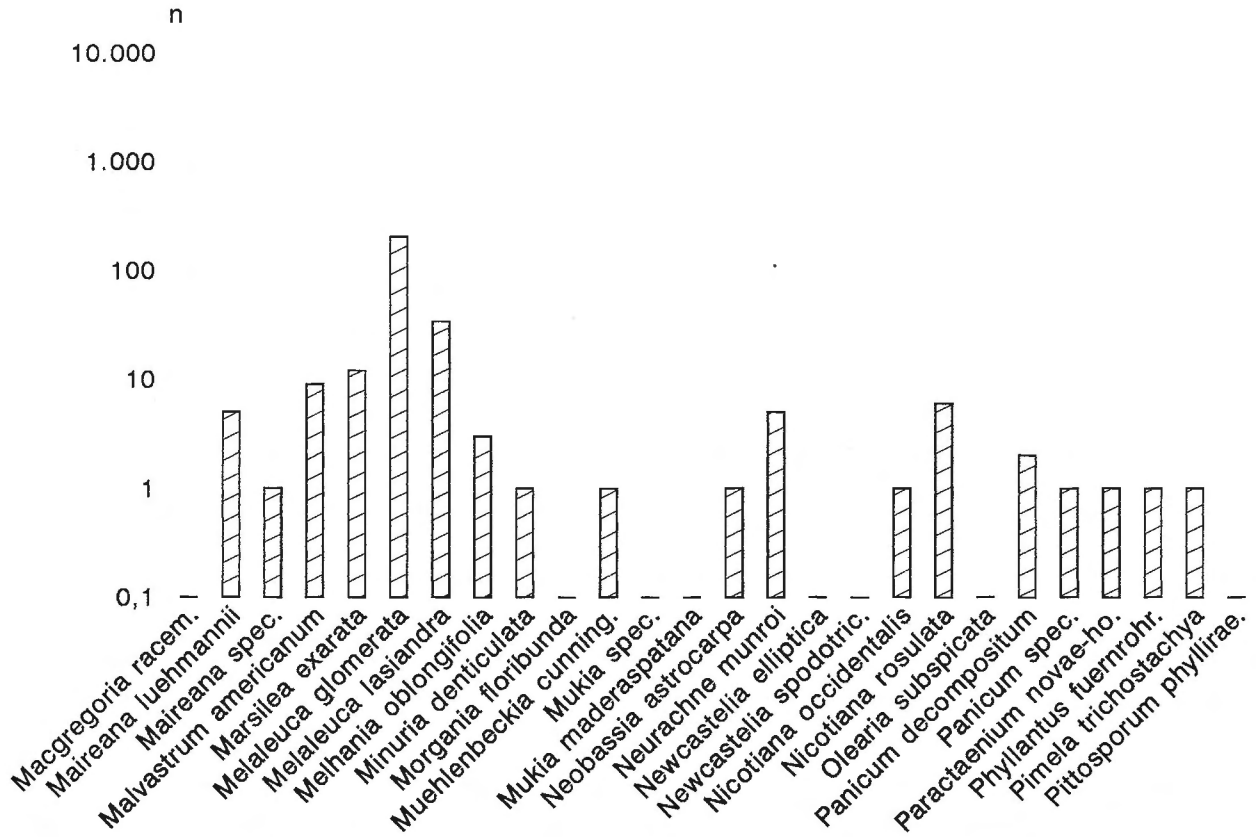


Fig. A1.8: Abundance and use of plant species in the research paddock (8)

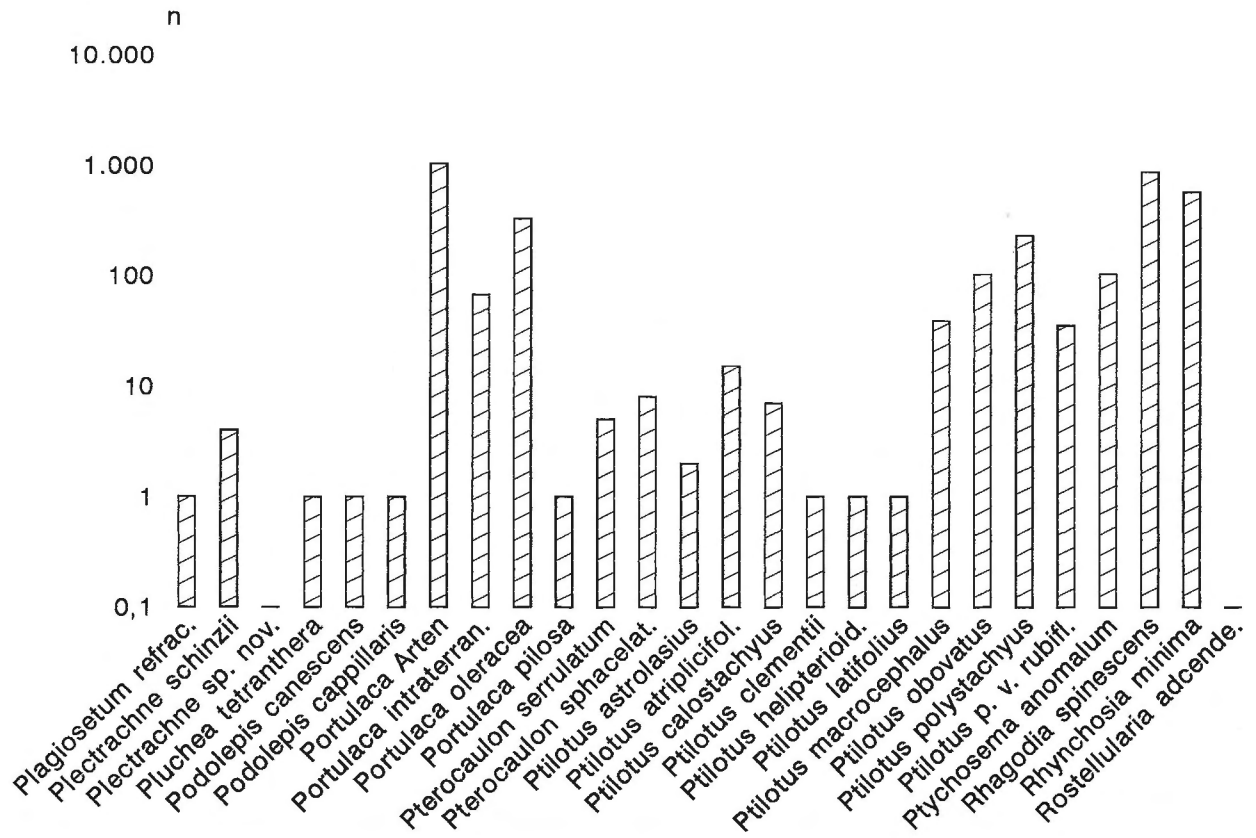


Fig. A1.9: Abundance and use of plant species in the research paddock (9)

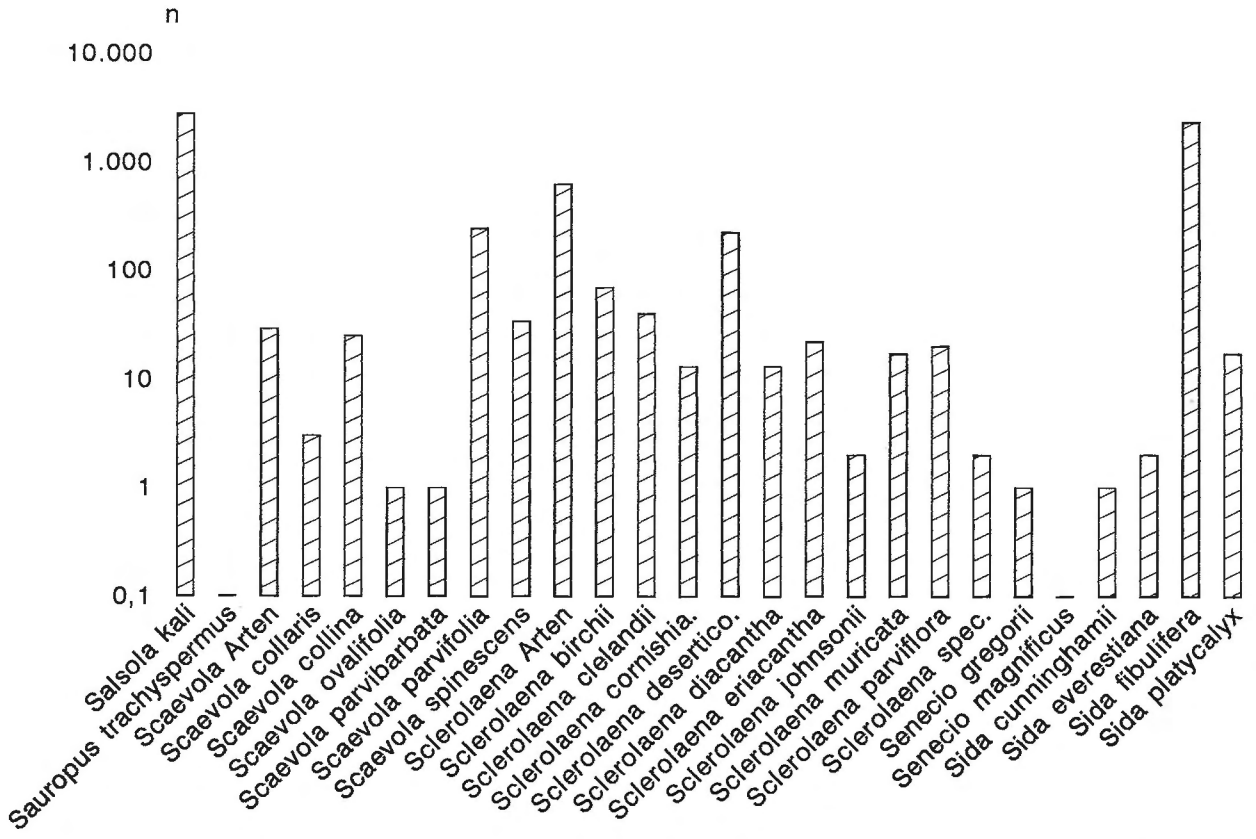


Fig. A1.10: Abundance and use of plant species in the research paddock (10)

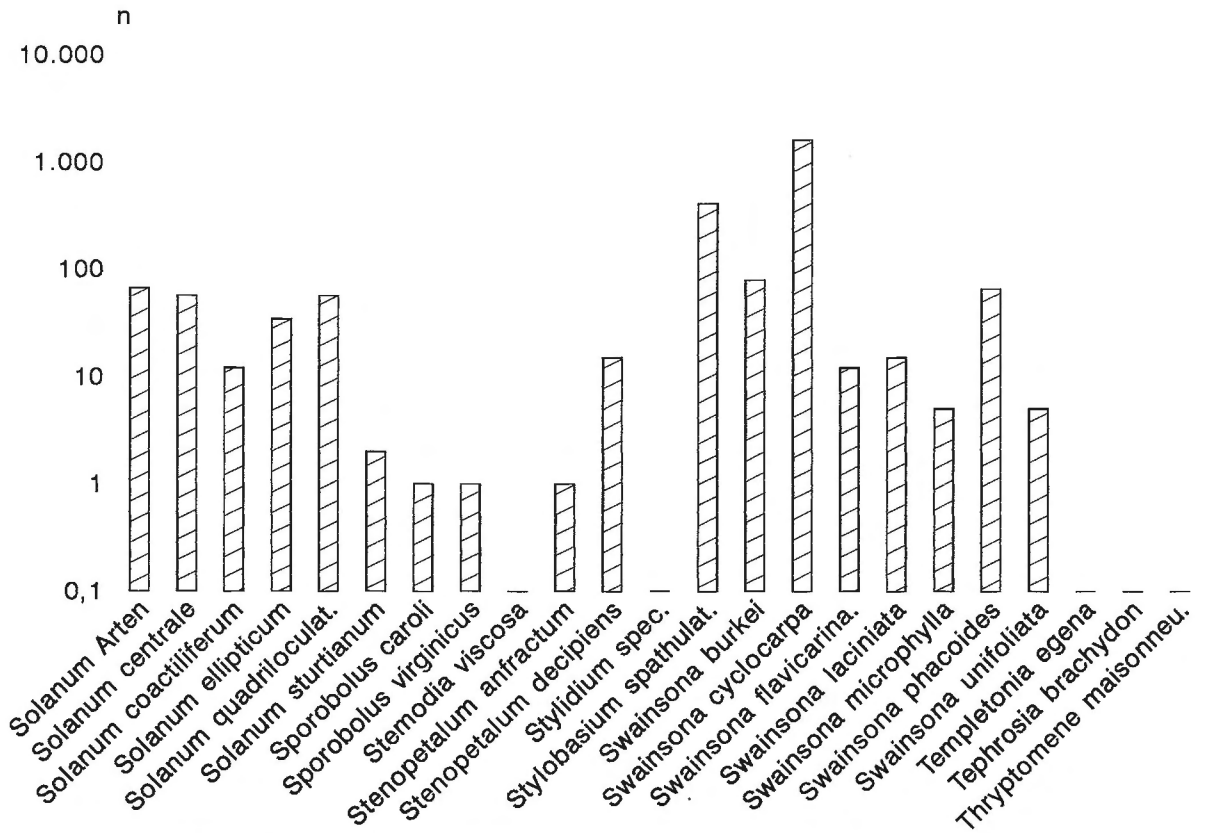


Fig. A1.11: Abundance and use of plant species in the research paddock (11)

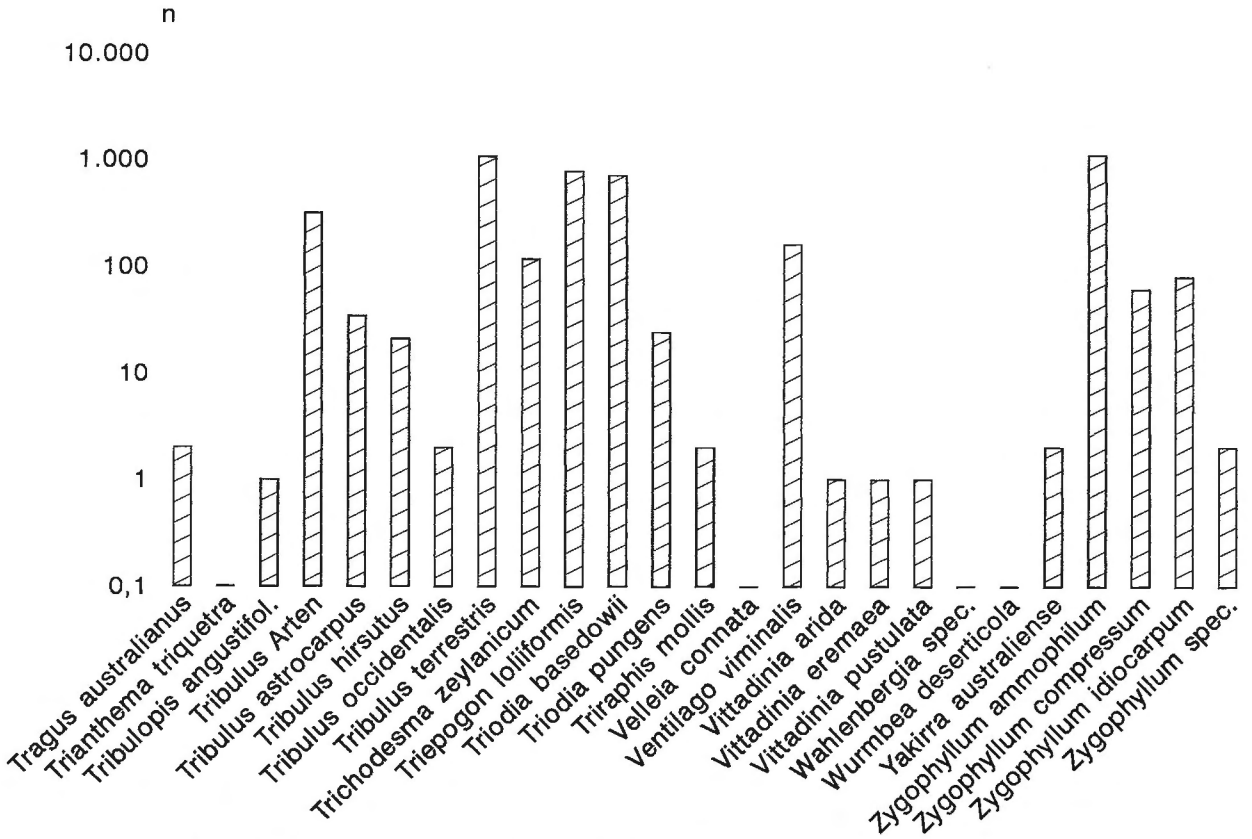


Fig. A1.12: Abundance and use of plant species in the research paddock (12)

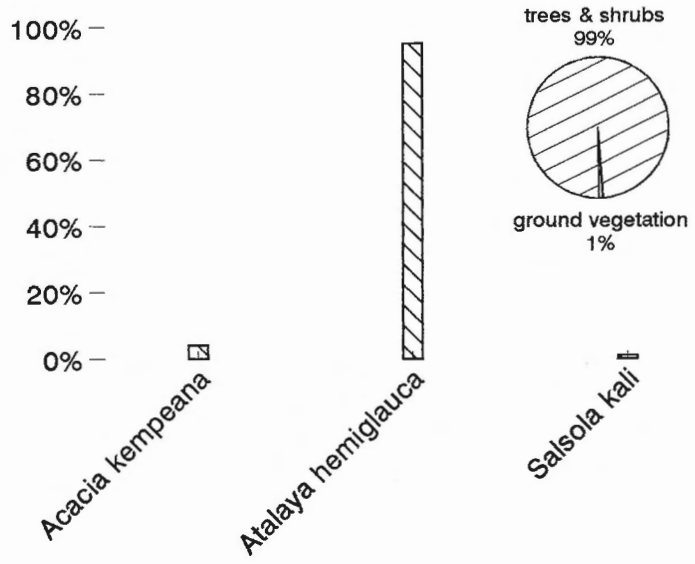


Fig. A2.1: bushland, 06.11.87, G 14

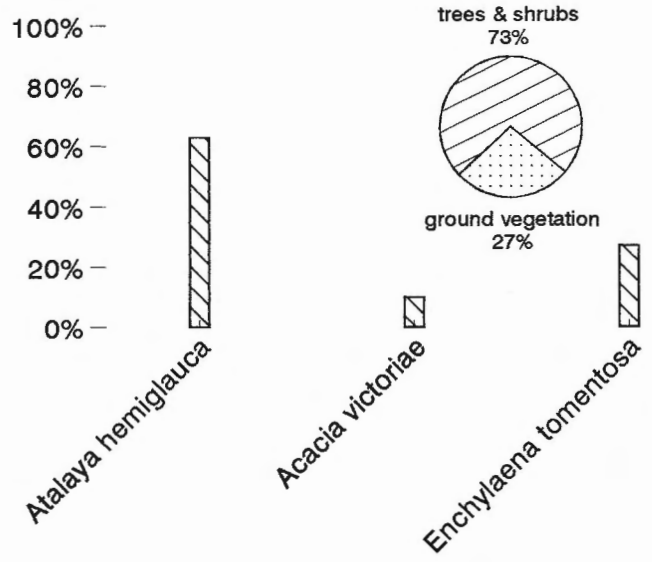


Fig. A2.2: bushland, 06.11.87, I 3

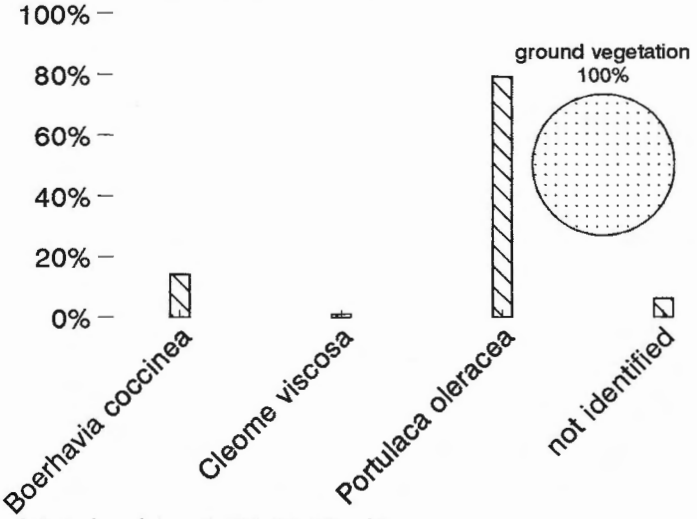


Fig. A2.3: bushland, 03.03.88, J2
Fig. A2.1-3: quantitative food selection from random samples

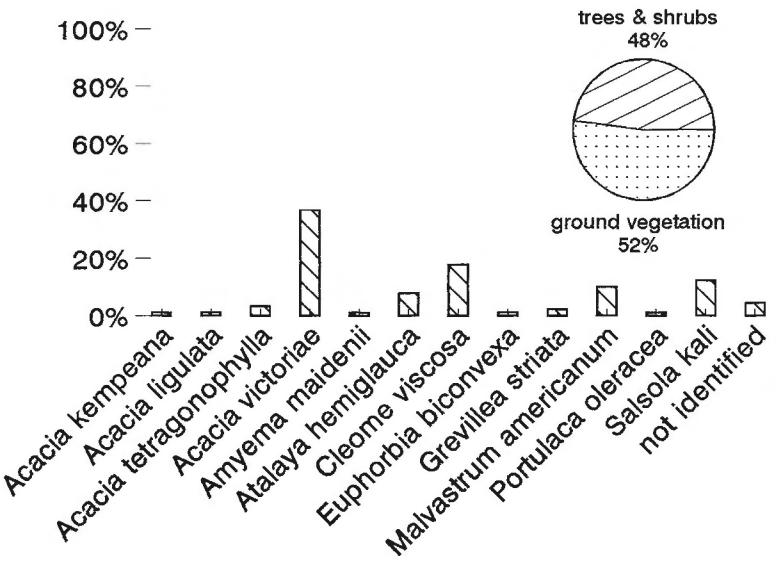


Fig. A2.4: bushland, 06.03.88, G 14

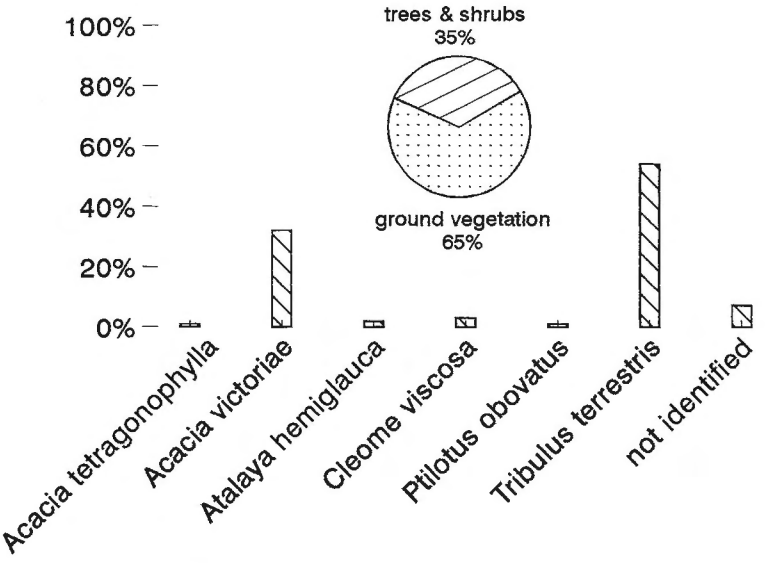


Fig. A2.5: bushland, 28.03.88, G 19

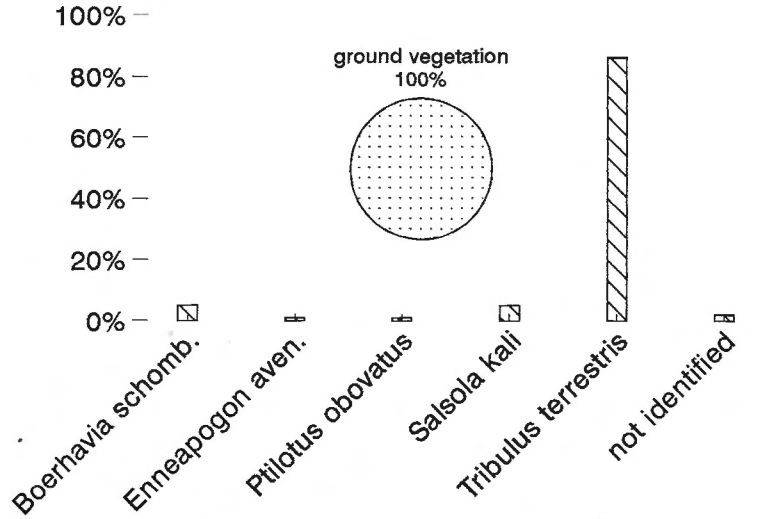


Fig. A2.6: bushland, 19.04.88, K 21
Fig. A2.4-6: quantitative food selection from random samples

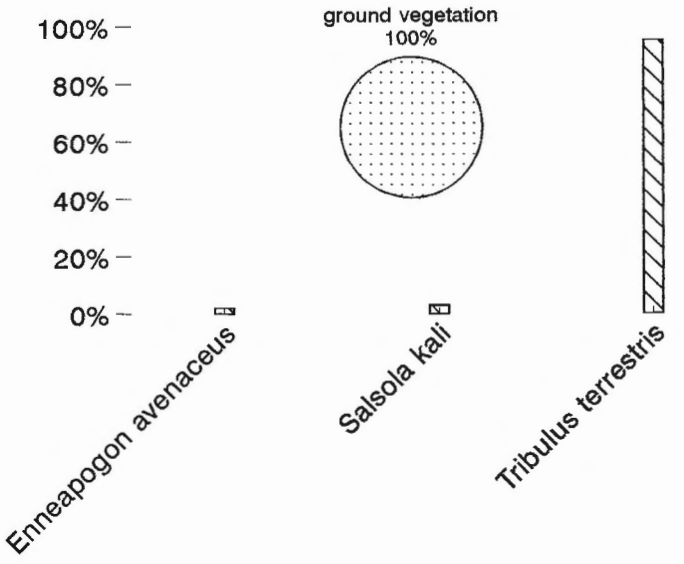


Fig. A2.7: bushland, 20.04.88, G 1

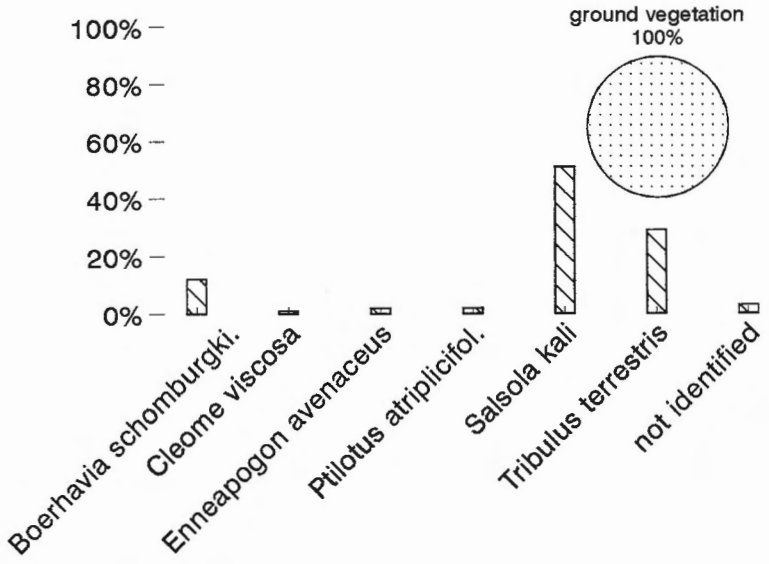


Fig. A2.8: bushland, 07.05.88, K 21

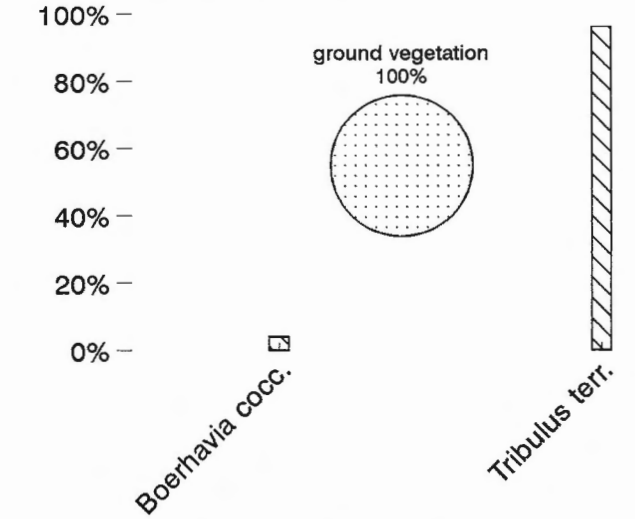


Fig. A2.9: bushland, 07.05.88, BC 11
Fig. A2.7-9: quantitative food selection from random samples

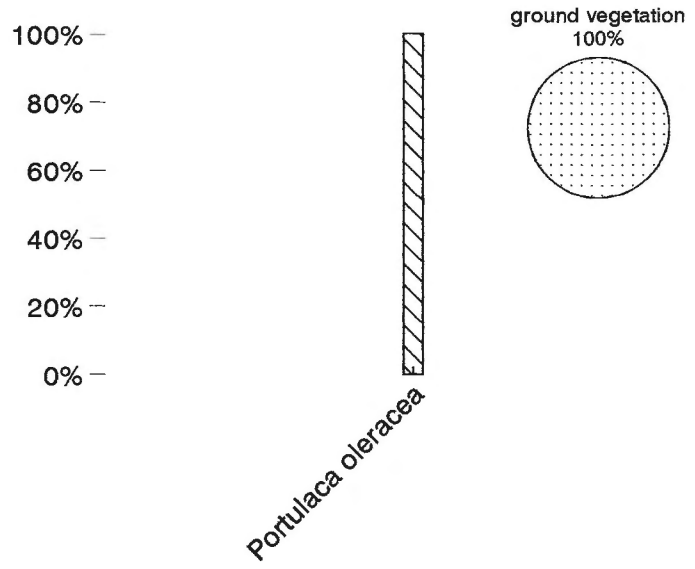


Fig. A2.10: bushland, 10.06.88, H 6

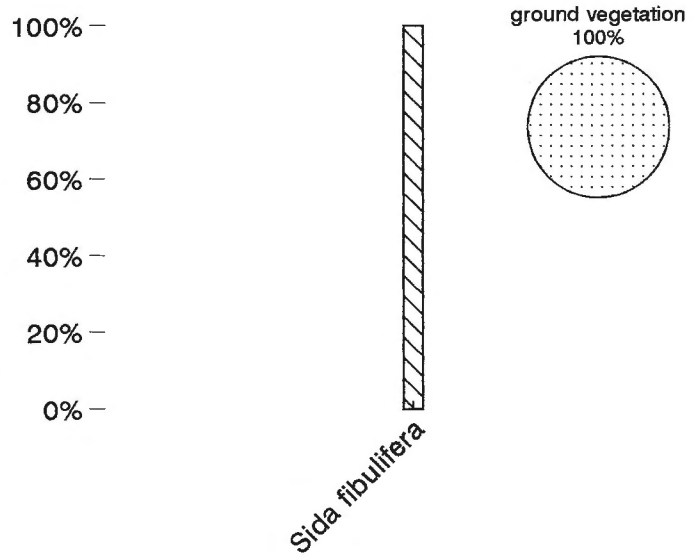


Fig. A2.11: bushland, 22.06.88, BB 9

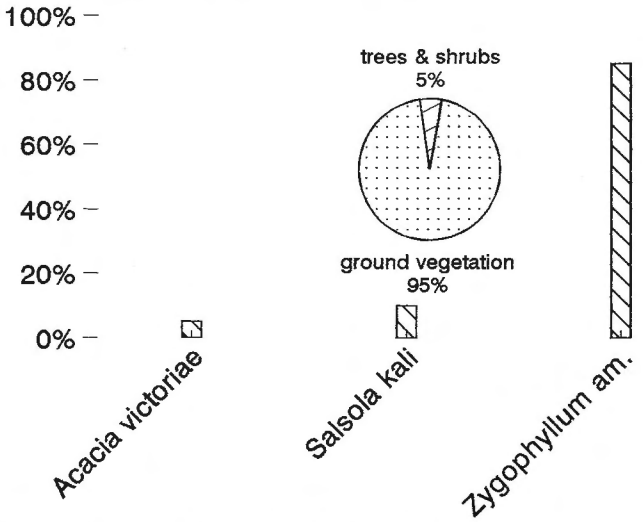


Fig. A2.12: bushland, 30.09.88, G 16
Fig. A2.10-12: quantitative food selection from random samples

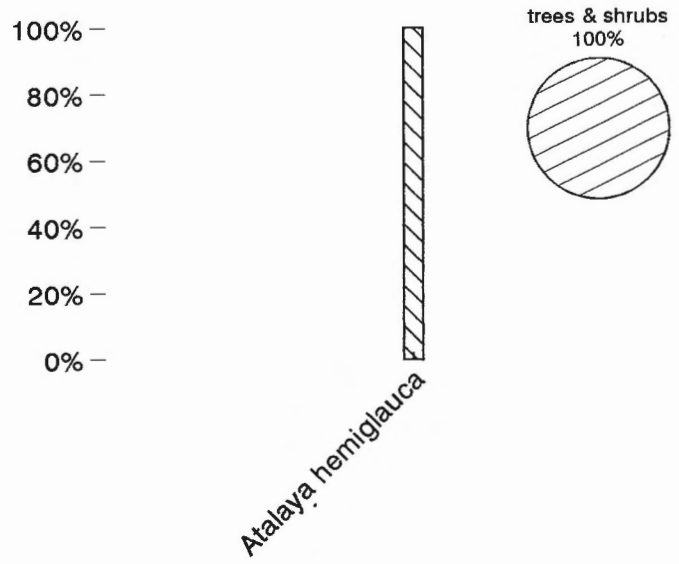


Fig. A2.13: bushland, 06.10.88, I 18

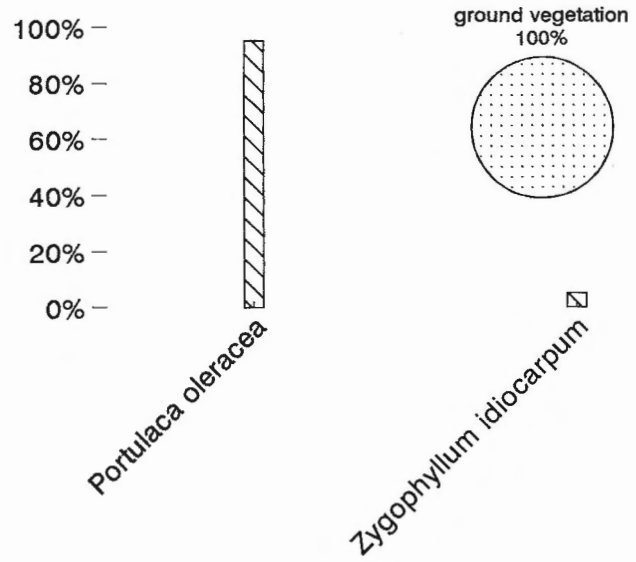


Fig. A2.14: bushland, 23.10.88, F 2

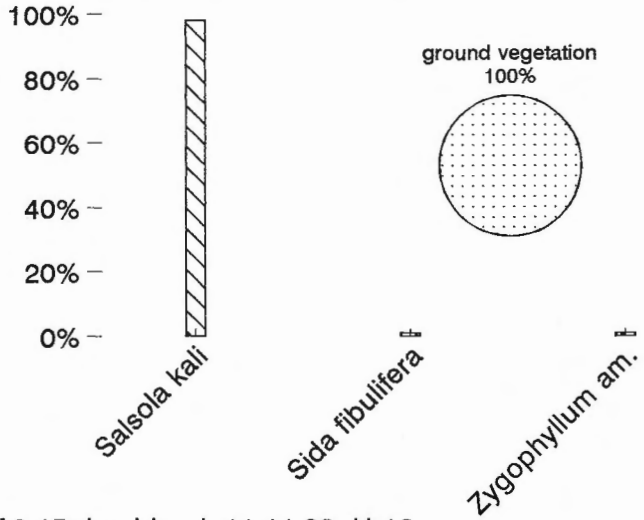


Fig. A2.15: bushland, 11.11.88, H 16
Fig. A2.13-15: quantitative food selection from random samples

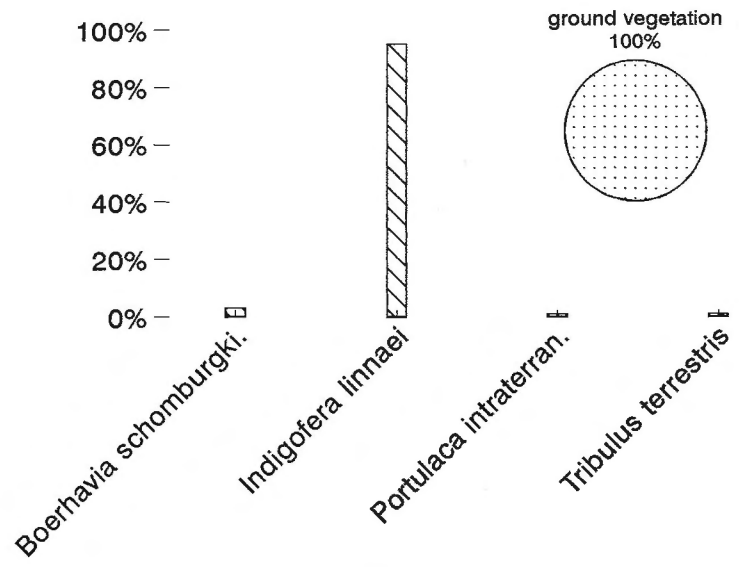


Fig. A2.16: bushland, 16.12.88, I 14

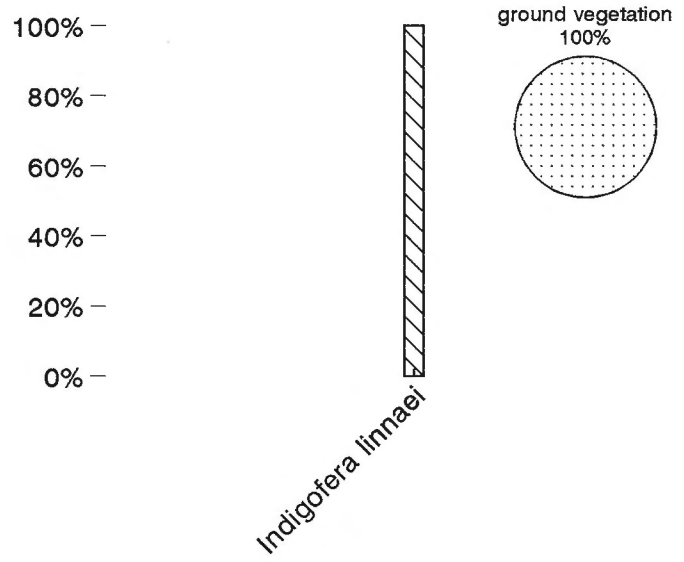


Fig. A2.17: bushland, 18.12.88, J 4

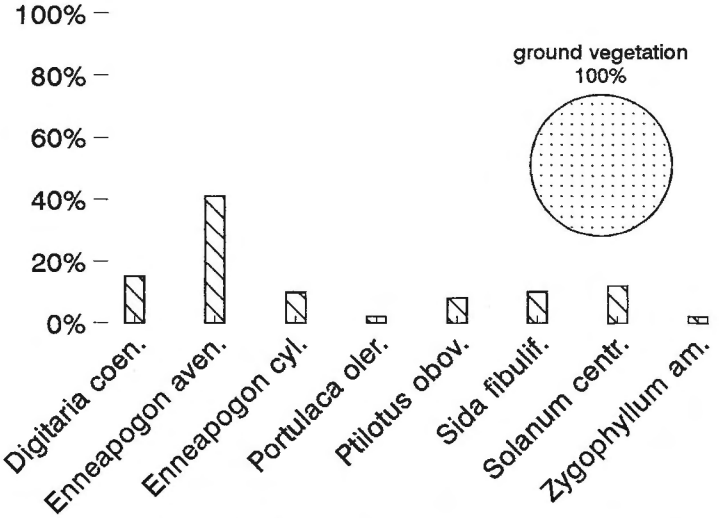


Fig. A2.18: bushland, 19.12.88, J 5
Fig. A2.16-18: quantitative food selection from random samples

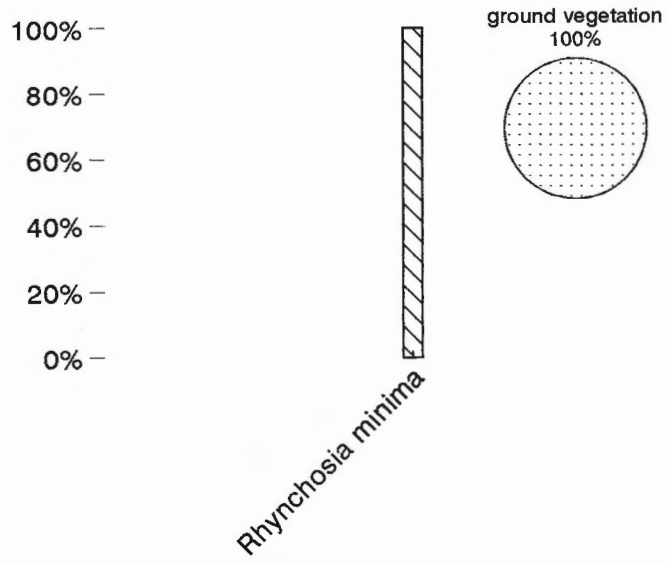


Fig. A2.19: bushland, 10.01.89, G 19

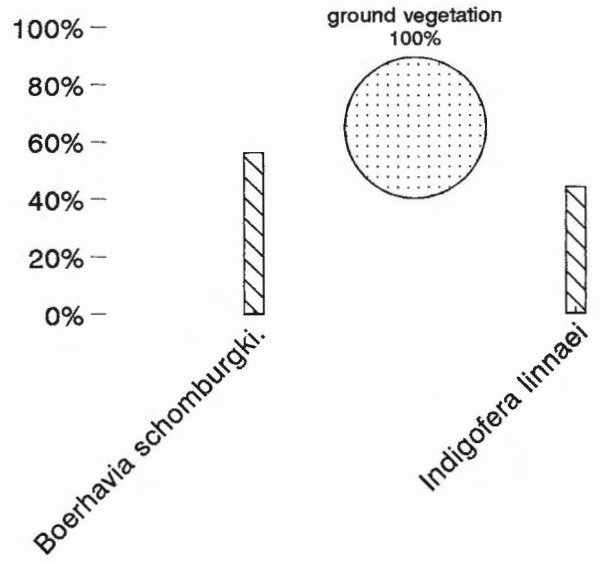


Fig. A2.20: bushland, 11.01.89, G 3

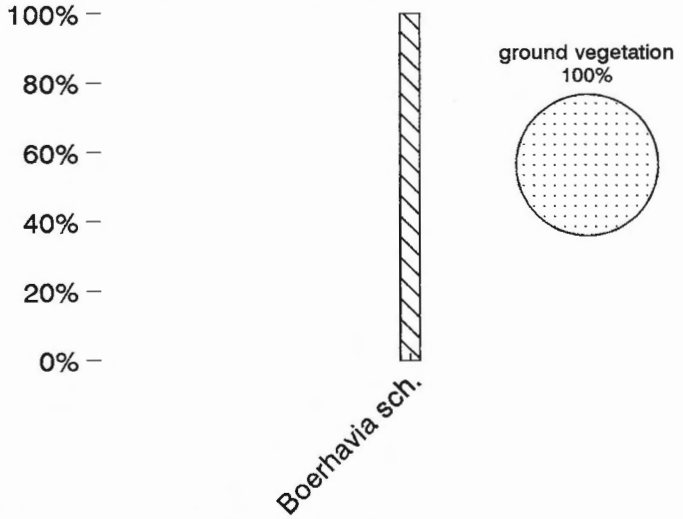


Fig. A2.21: bushland, 03.03.89, G 12
Fig. A2.19-21: quantitative food selection from random samples

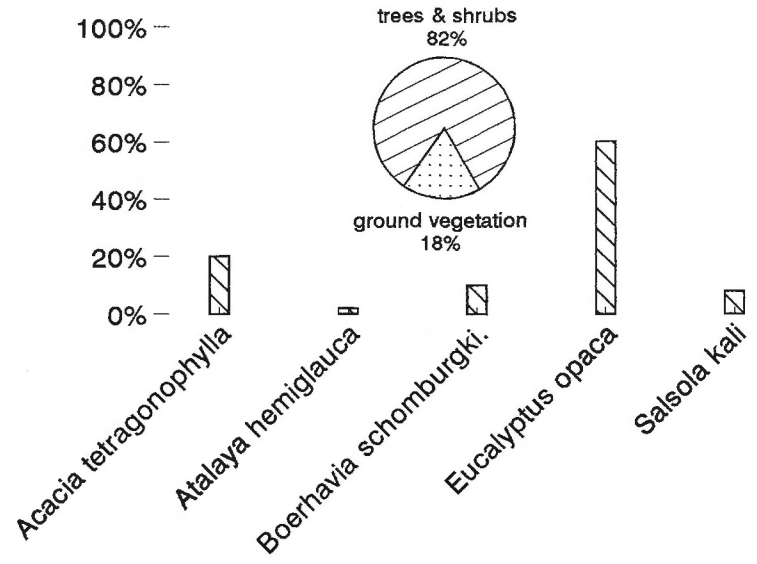


Fig. A2.22: bushland, 07.03.89, H 14

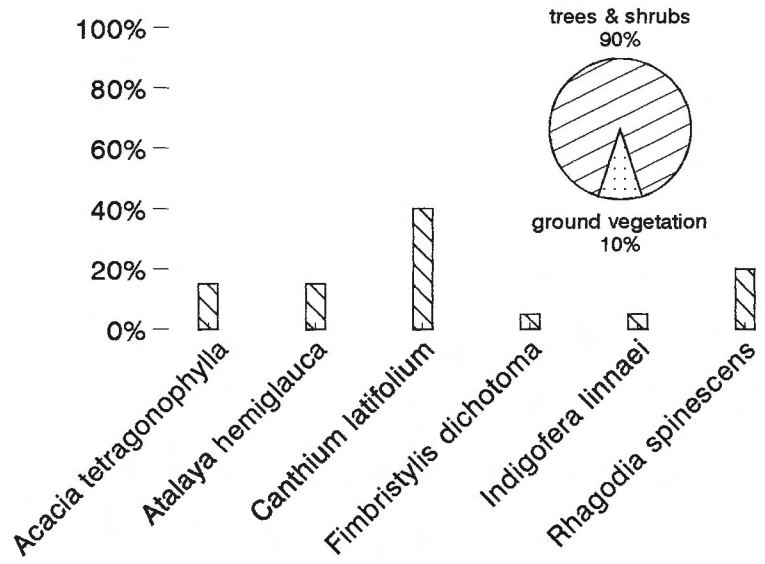


Fig. A2.23: bushland, 22.03.89, F 15

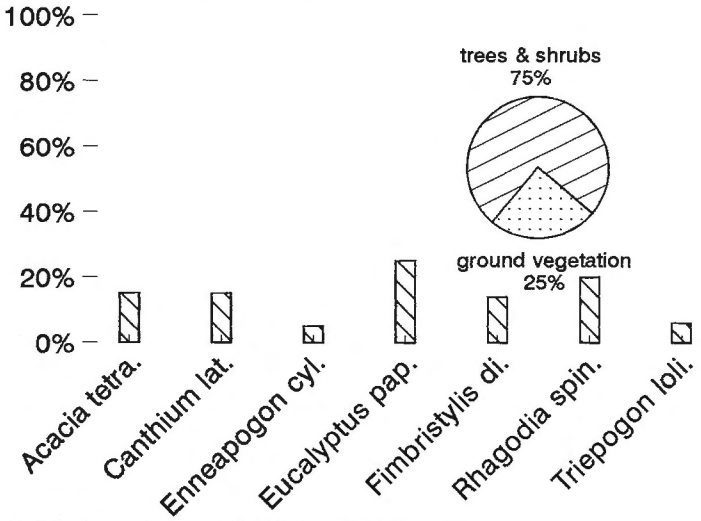


Fig. A2.24: bushland, 22.03.89, F 15
Fig. A2.22-24: quantitative food selection from random samples

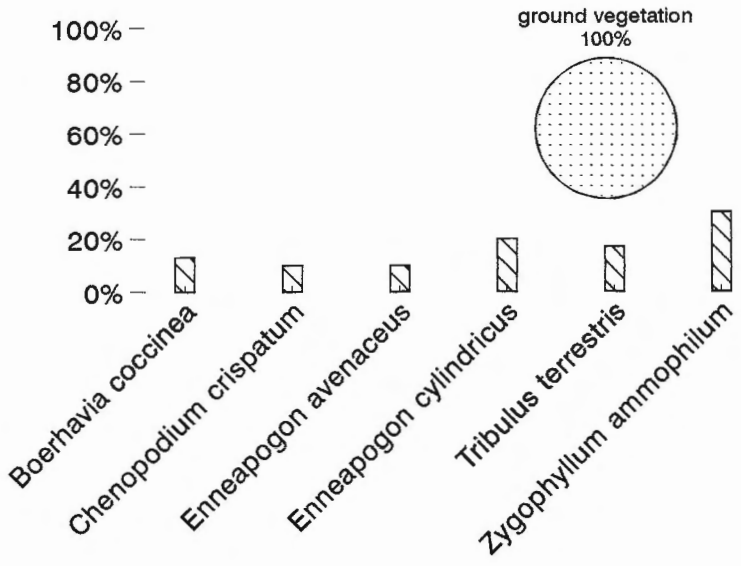


Fig. A2.25: bushland, 15.04.89, J 3

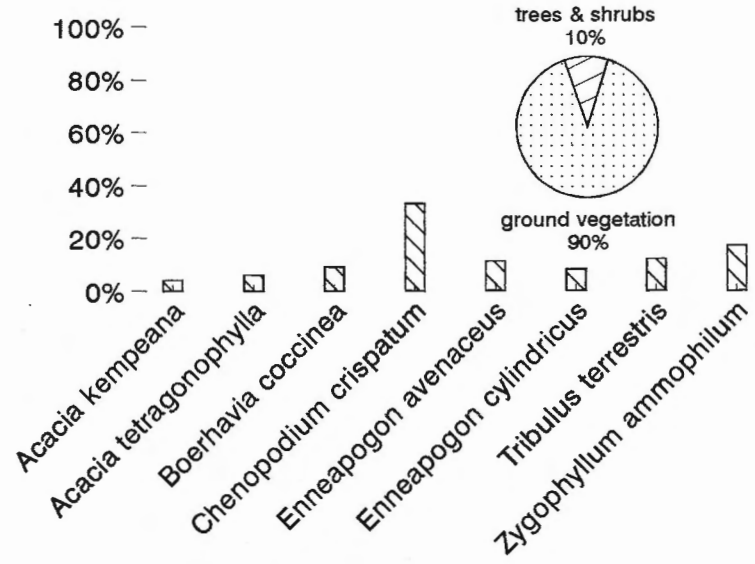


Fig. A2.26: bushland, 15.04.89, J 3

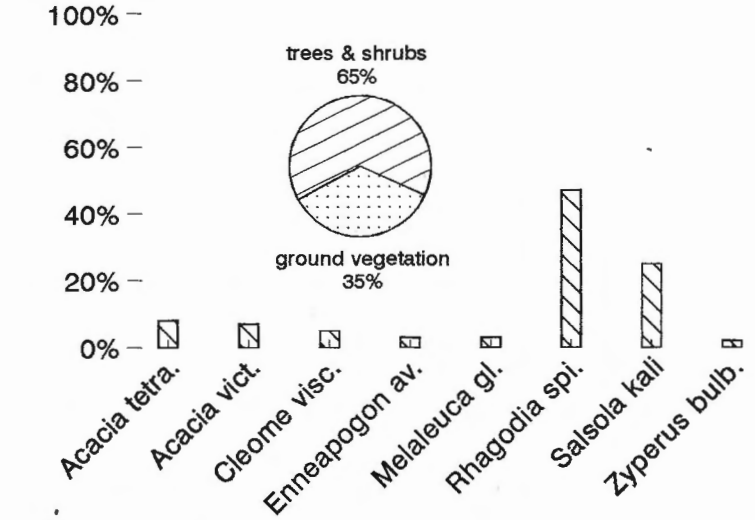


Fig. A2.27: bushland, 16.04.89, H 2
Fig. A2.25-27: quantitative food selection from random samples

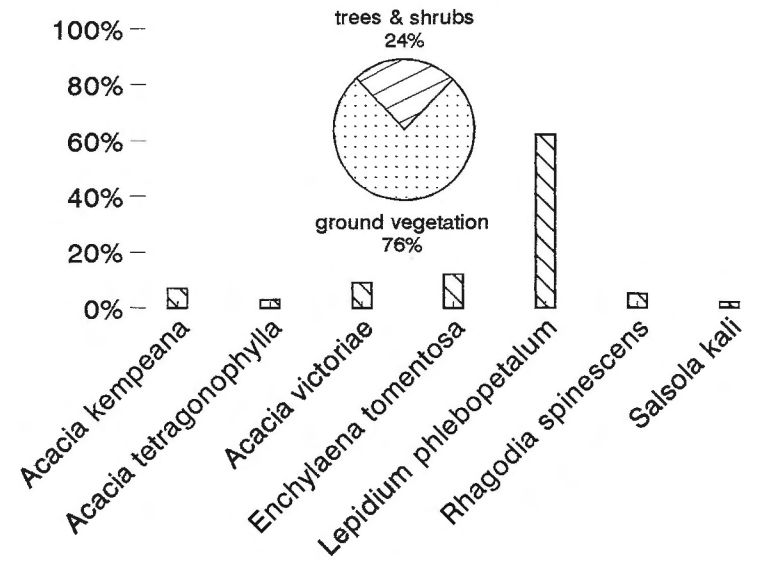


Fig. A2.28: bushland, 07.07.89, F 3

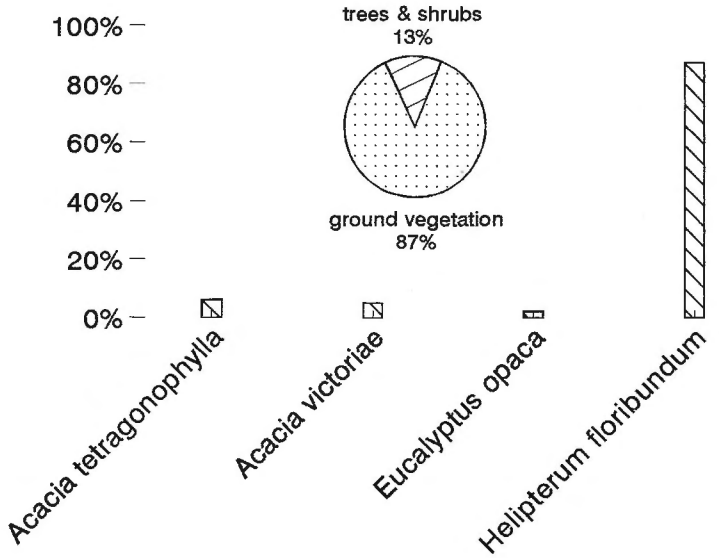


Fig. A2.29: bushland, 13.07.89, J 2

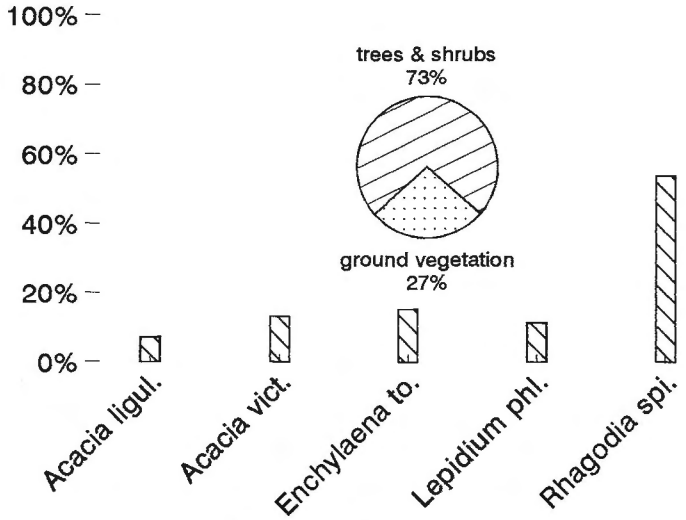


Fig. A2.30: bushland, 16.08.89, J 19
Fig. A2.28-30: quantitative food selection from random samples

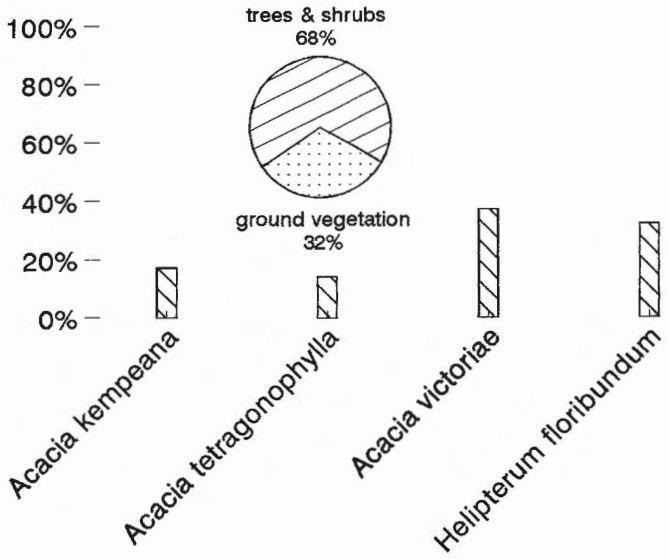


Fig. A2.31: bushland, 04.09.89, J 4

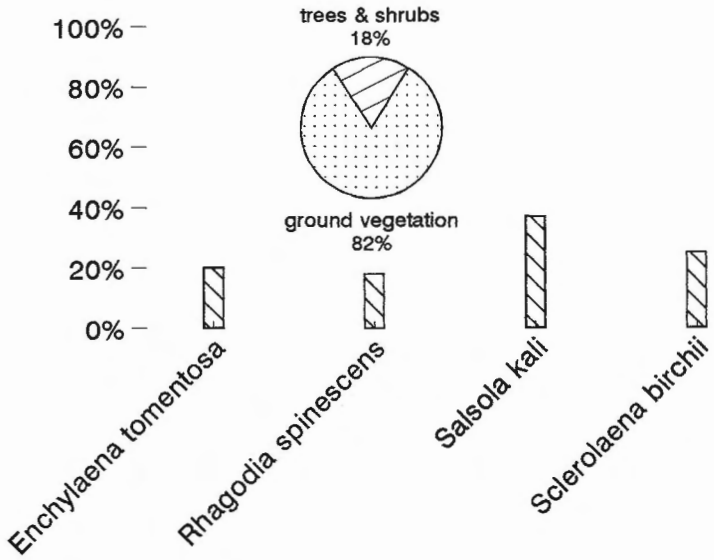


Fig. A2.32: bushland, 06.09.89, H 5

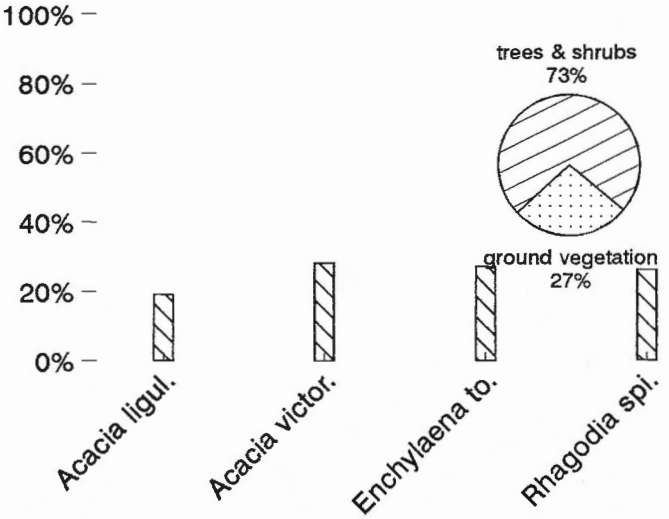


Fig. A2.33: bushland, 15.09.89, G 20
Fig. A2.31-33: quantitative food selection from random samples

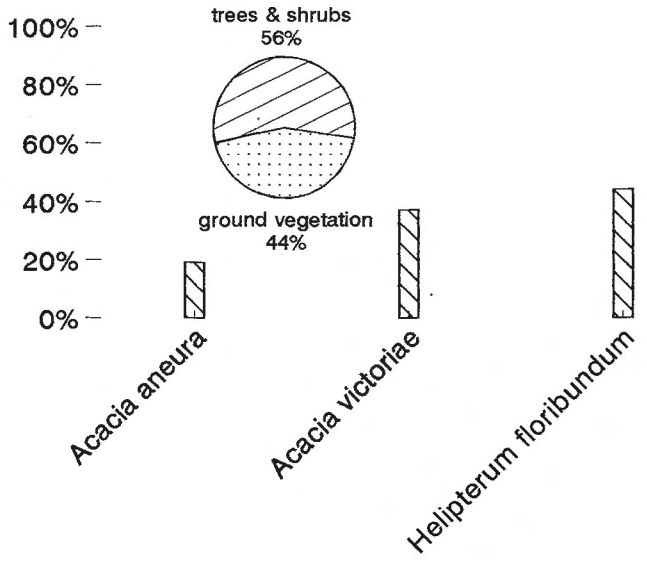


Fig. A2.34: bushland, 15.09.89, I 16

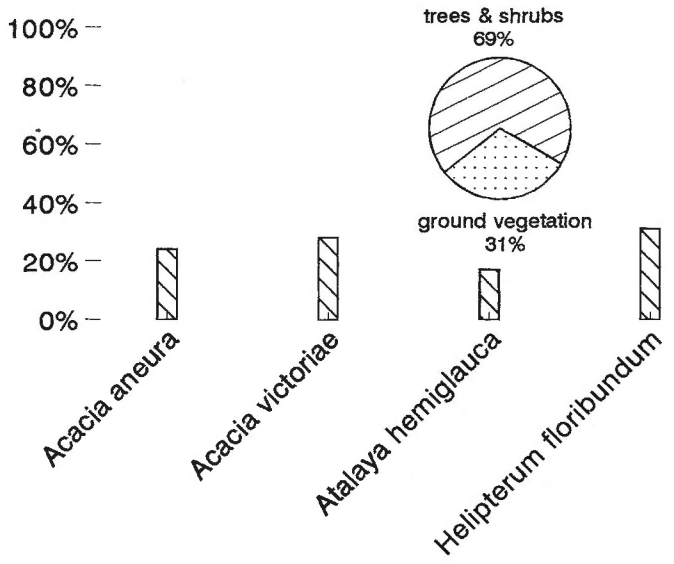


Fig. A2.35: bushland, 15.09.89, I 16

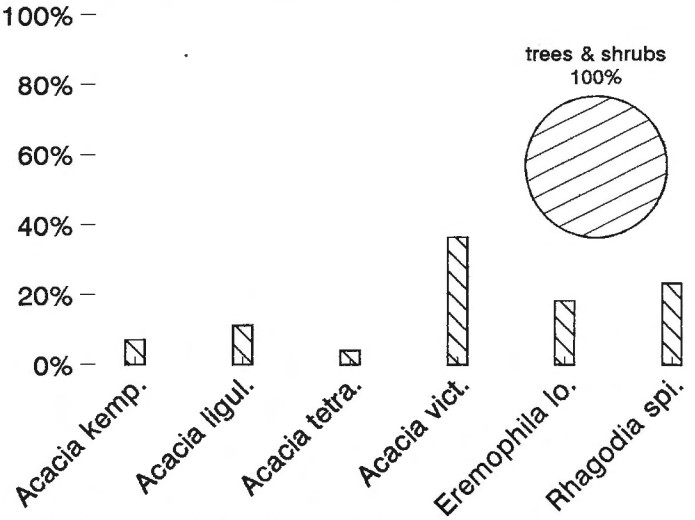


Fig. A2.36: bushland, 16.09.89, F 15

Fig. A2.34-36: quantitative food selection from random samples

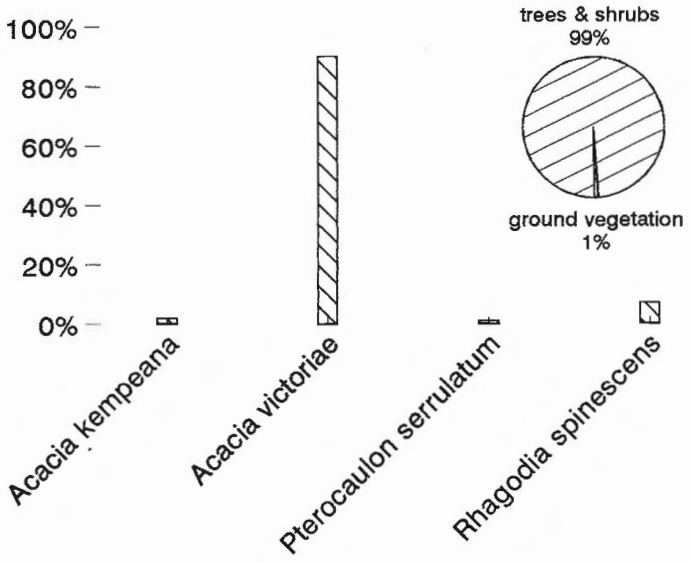


Fig. A2.37: bushland, 16.09.89, F 16

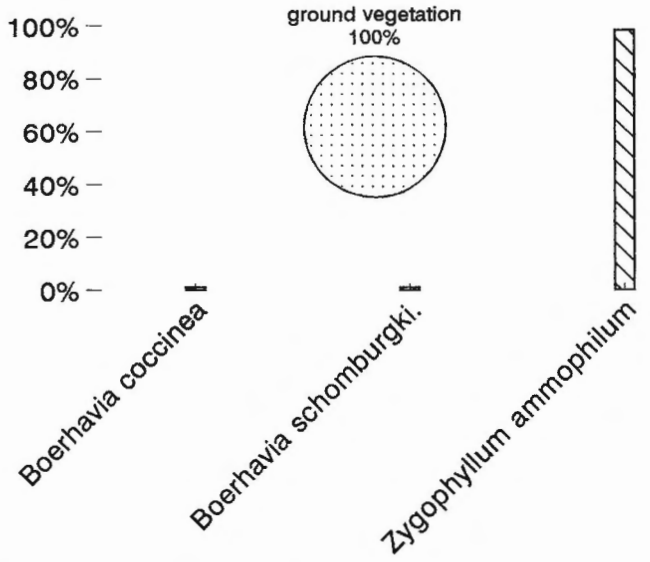


Fig. A2.38: open plain, 25.05.88, J 20

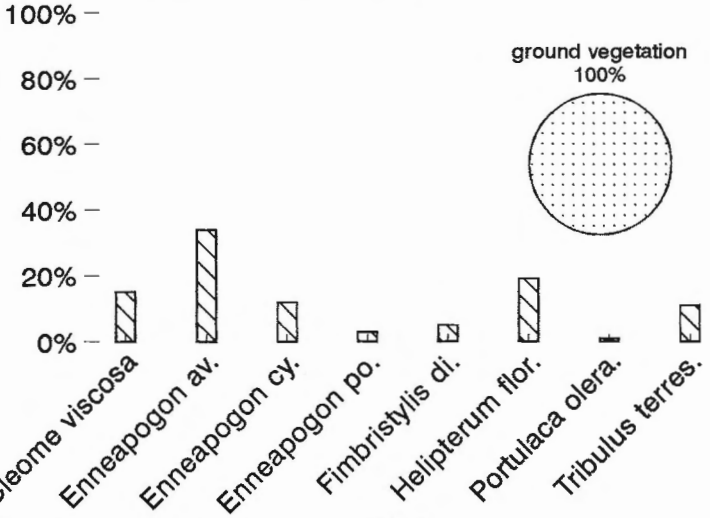


Fig. A2.39: open plain, 26.05.88, BE 2
Fig. A2.37-39: quantitative food selection from random samples

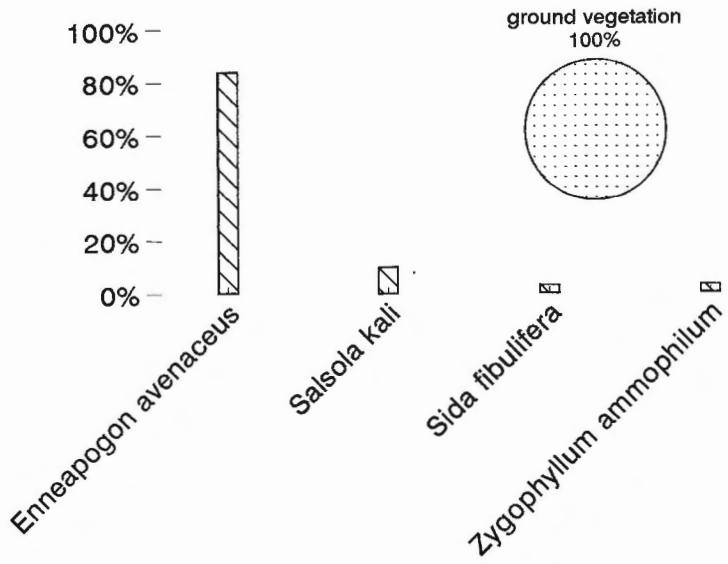


Fig. A2.40: open plain, 16.12.88, H 18

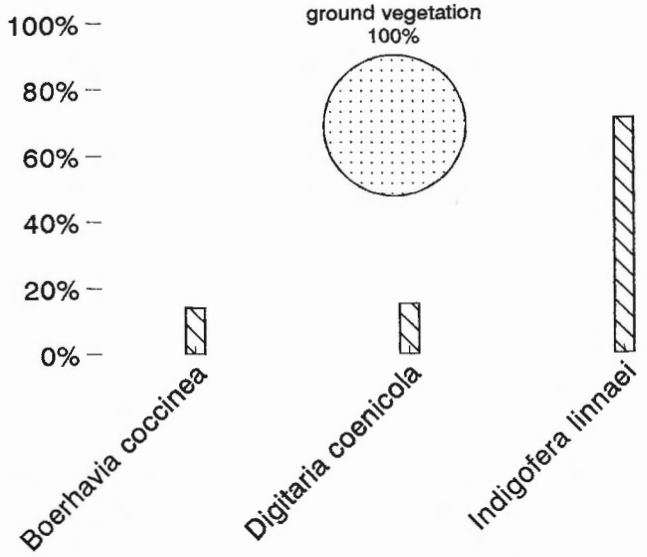


Fig. A2.41: open plain, 19.12.88, J 4

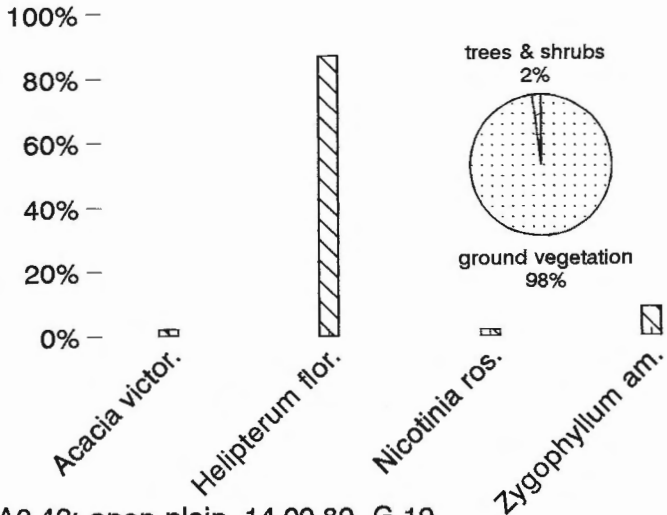


Fig. A2.42: open plain, 14.09.89, G 19
Fig. A2.40-42: quantitative food selection from random samples

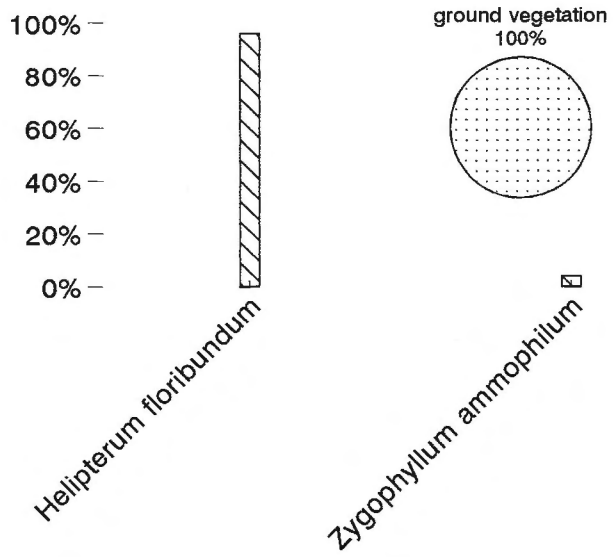


Fig. A2.43: open plain, 14.09.89, G 19

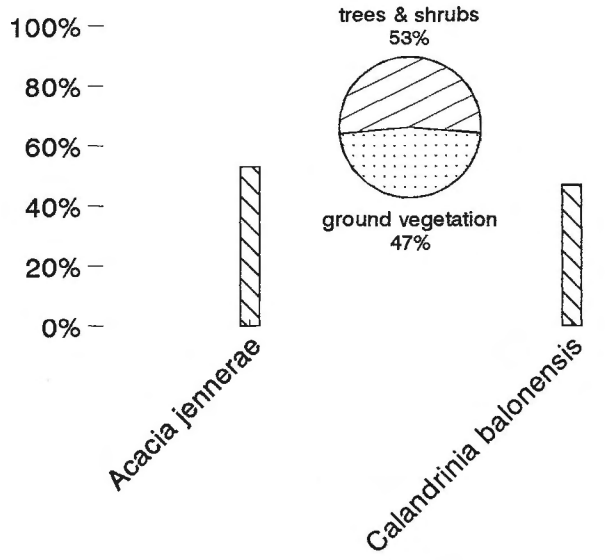


Fig. A2.44: sandplain/dunes, 09.09.87, B 13

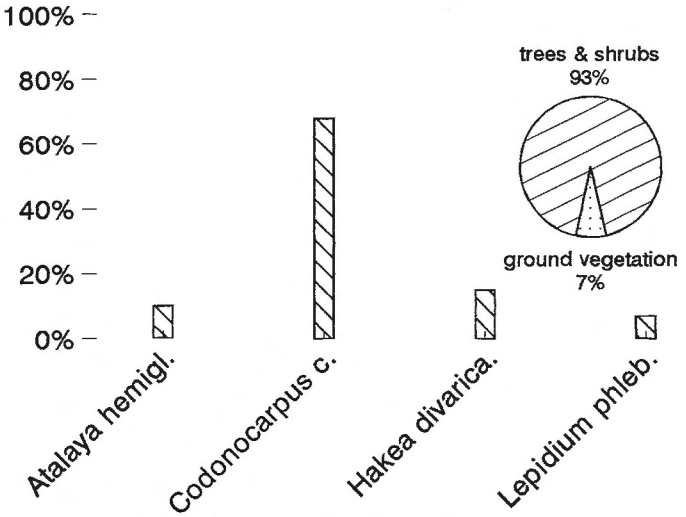


Fig. A2.45: sandplain/dunes, 07.03.88, L 12
Fig. A2.43-45: quantitative food selection from random samples

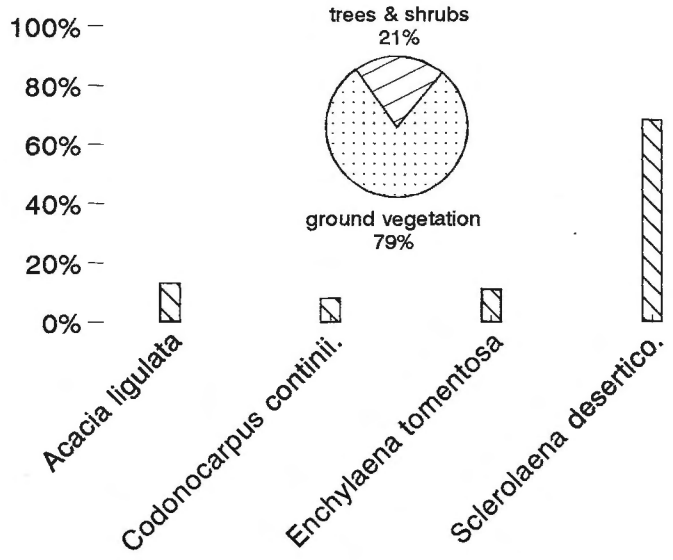


Fig. A2.46: sandplain/dunes, 07.03.88, D 5

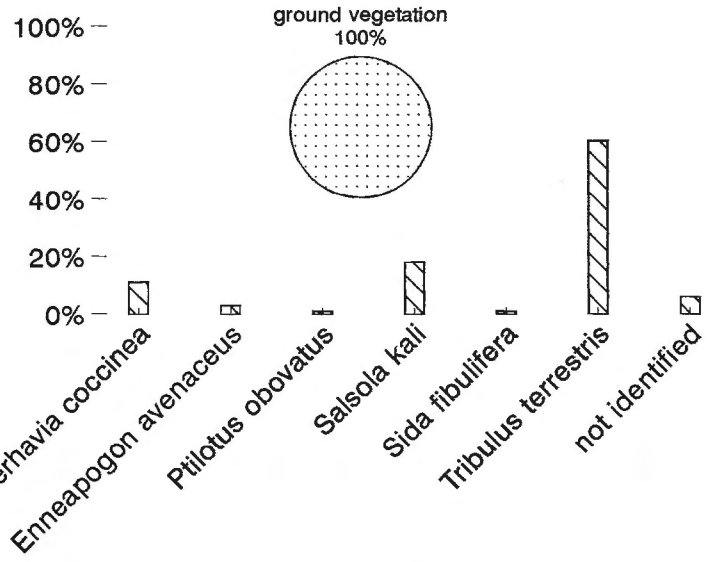


Fig. A2.47: sandplain/dunes, 19.04.88, E 7

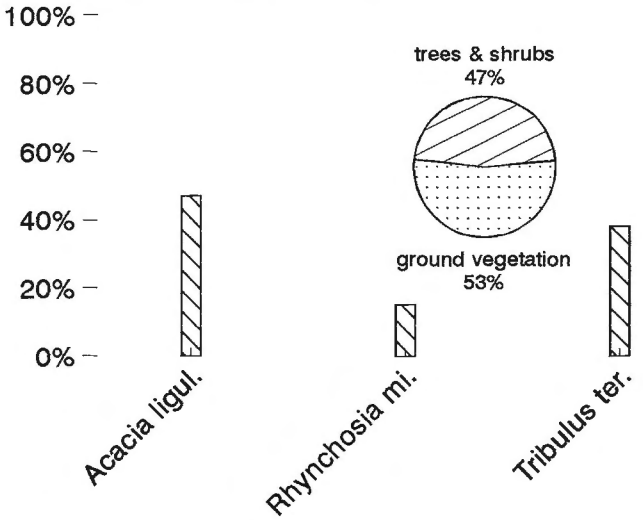


Fig. A2.48: sandplain/dunes, 20.05.88, Bl 10
Fig. A2.46-48: quantitative food selection from random samples

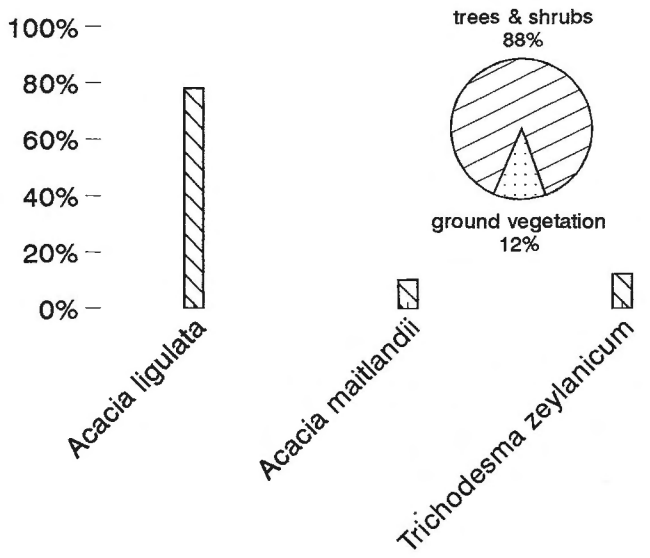


Fig. A2.49: sandplain/dunes, 19.06.88, N 7

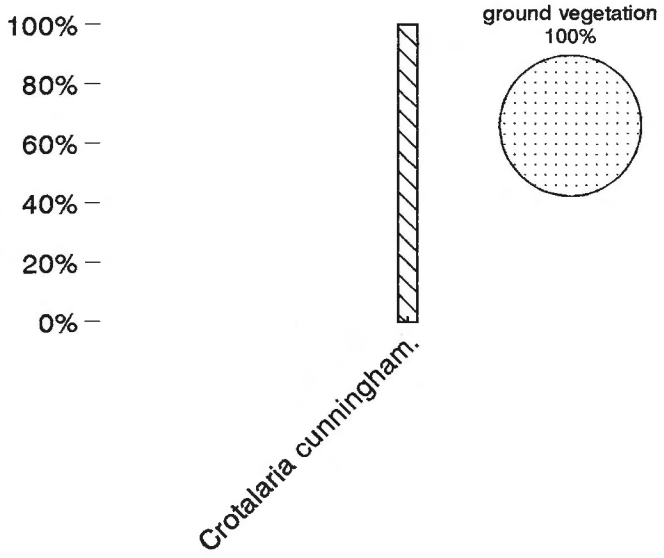


Fig. A2.50: sandplain/dunes, 24.06.88, M 9

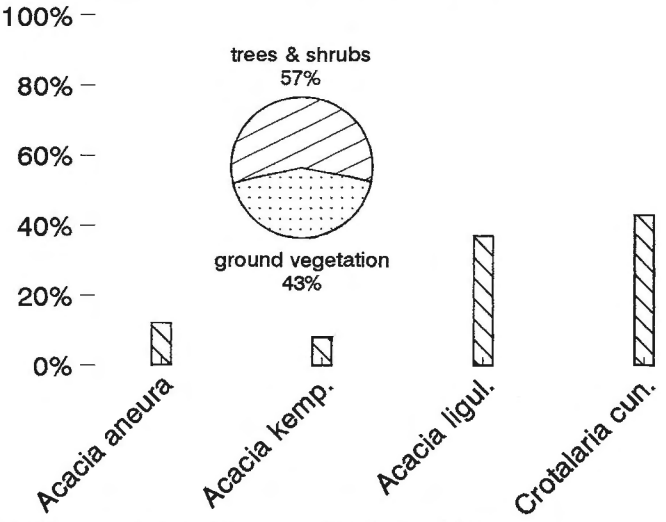


Fig. A2.51: sandplain/dunes, 26.06.88, M 9
Fig. A2.49-51: quantitative food selection from random samples

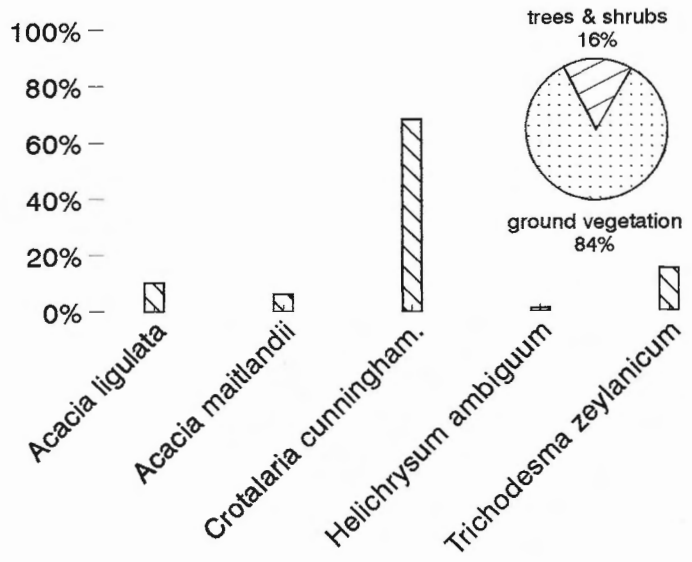


Fig. A2.52: sandplain/dunes, 15.07.88, M 9

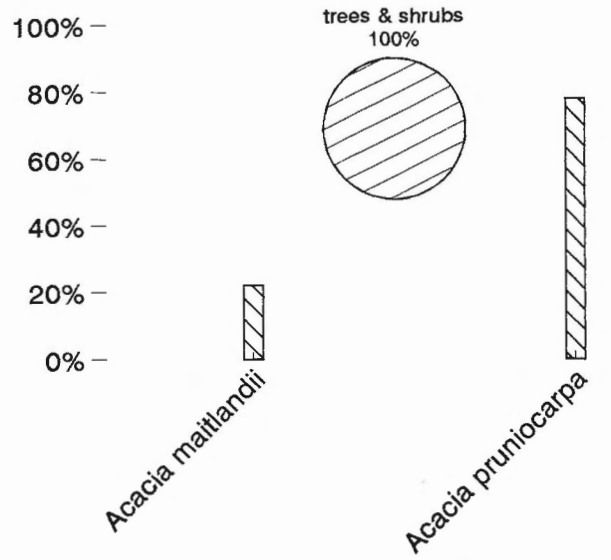


Fig. A2.53: sandplain/dunes, 19.08.88, N 8

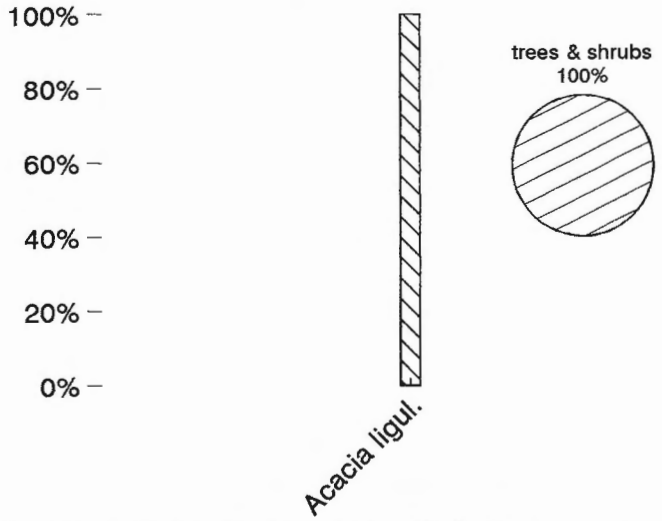


Fig. A2.54: sandplain/dunes, 07.09.88, N 20
Fig. A2.52-54: quantitative food selection from random samples

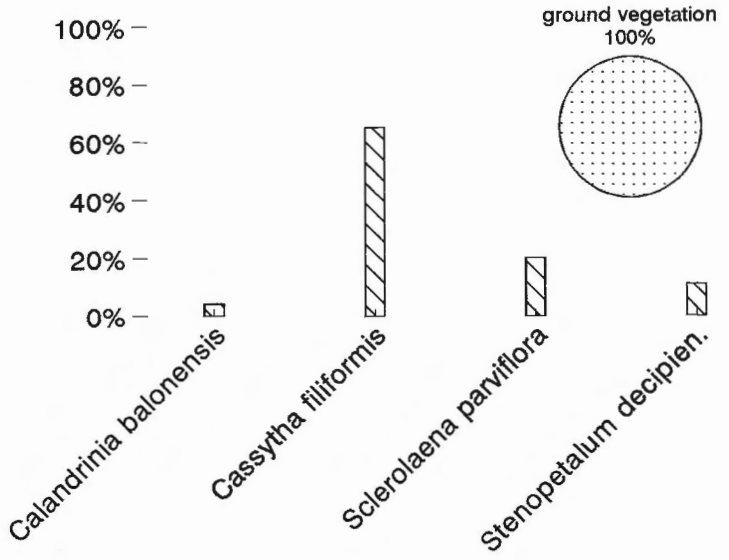


Fig. A2.55: sandplain/dunes, 09.09.88, F8/G7

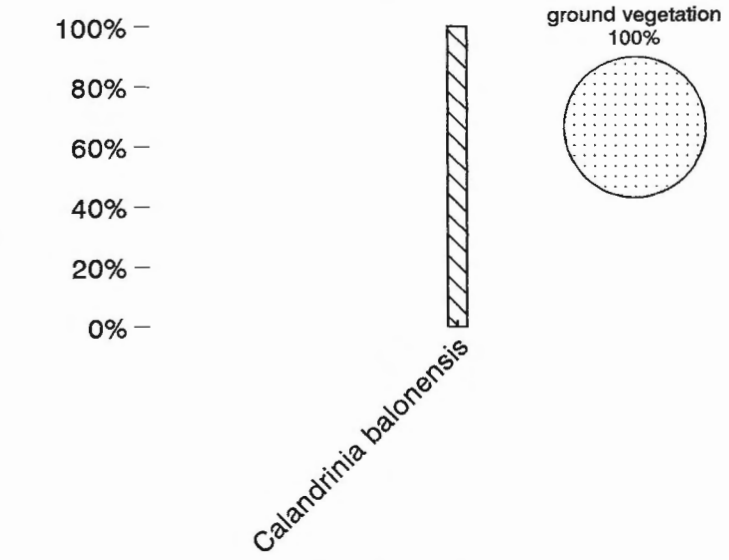


Fig. A2.56: sandplain/dunes, 09.09.88, D 8

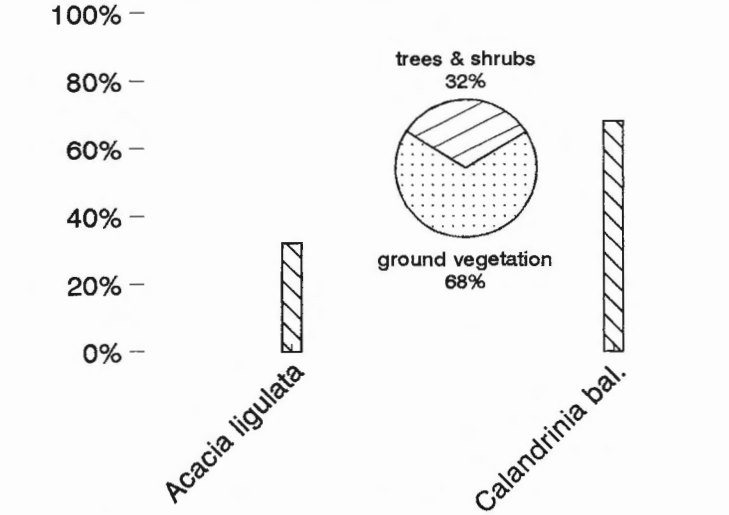


Fig. A2.57: sandplain/dunes, 16.09.88, L 17
Fig. A2.55-57: quantitative food selection from random samples

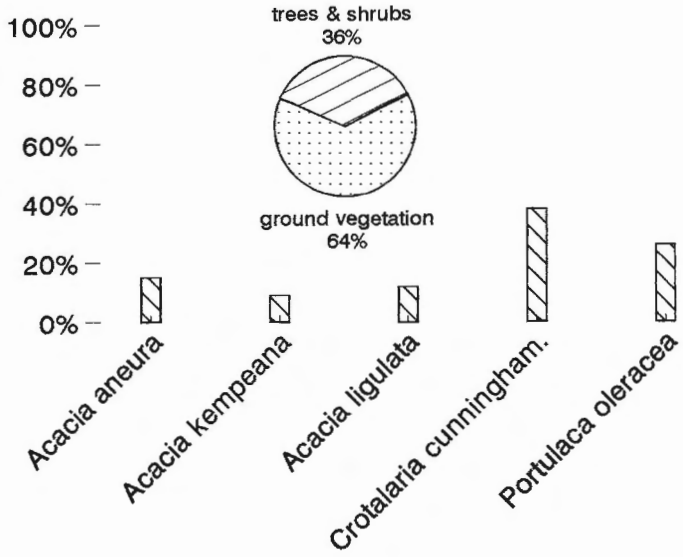


Fig. A2.58: sandplain/dunes, 18.09.88, N 9

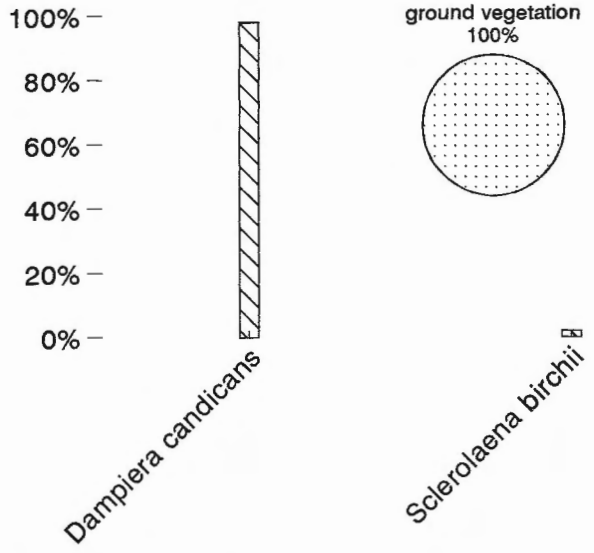


Fig. A2.59: sandplain/dunes, 14.11.88, C 7

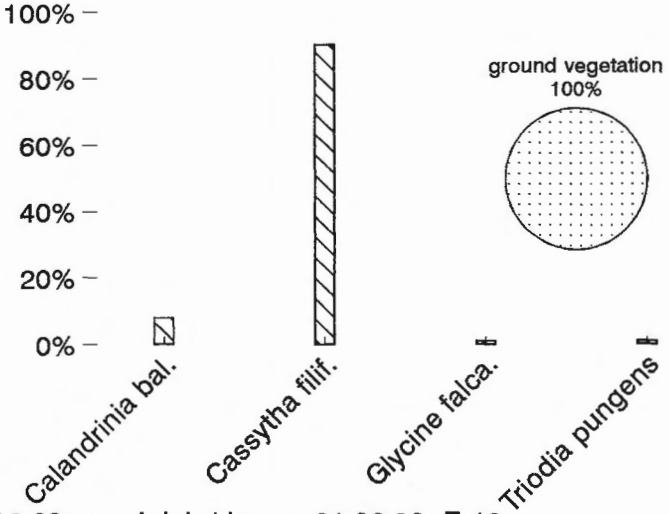


Fig. A2.60: sandplain/dunes, 01.02.89, E 12
Fig. A2.58-60: quantitative food selection from random samples

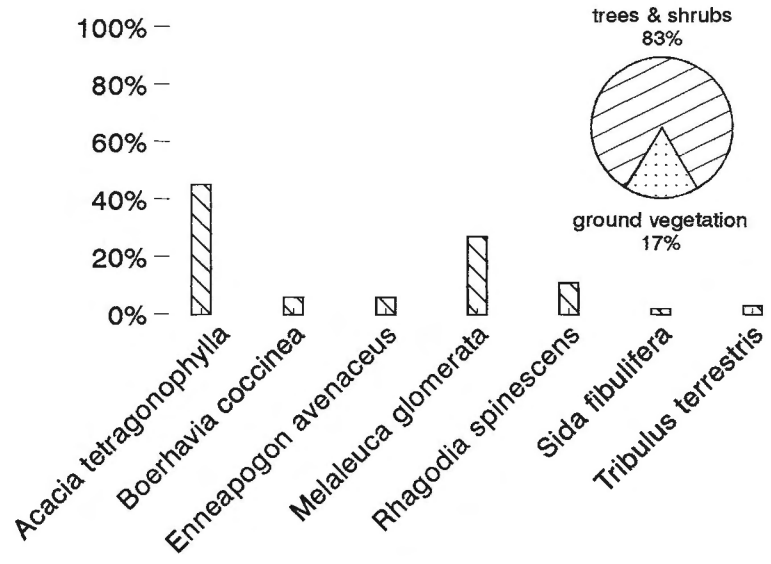


Fig. A2.61: sandplain/dunes, 22.03.89, E 15

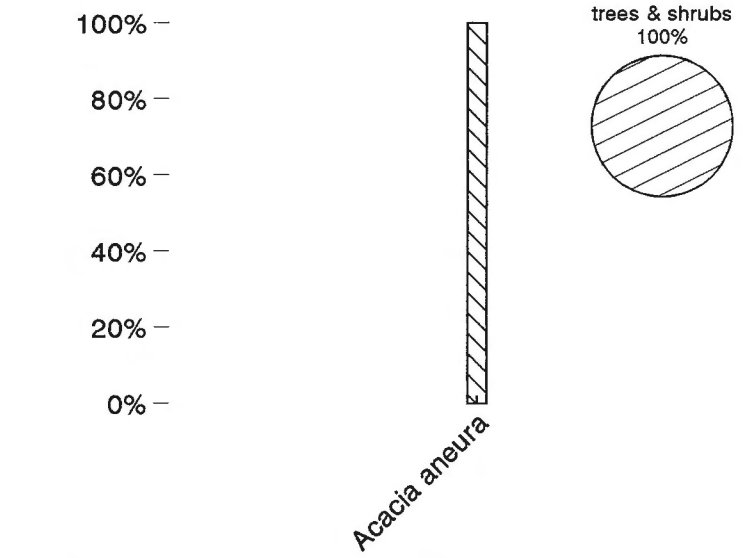


Fig. A2.62: sandplain/dunes, 22.03.89, E 15

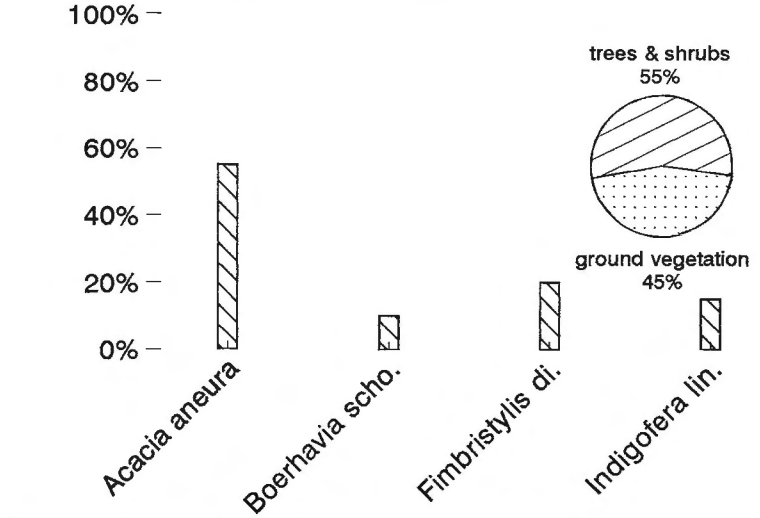


Fig. A2.63: sandplain/dunes, 22.03.89, E 14
Fig. A2.61-63: quantitative food selection from random samples

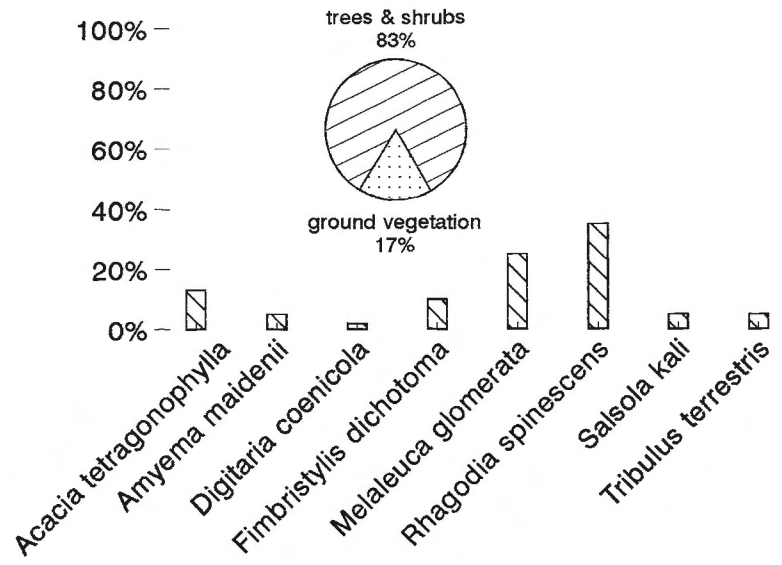


Fig. A2.64: sandplain/dunes, 22.03.89, E 14

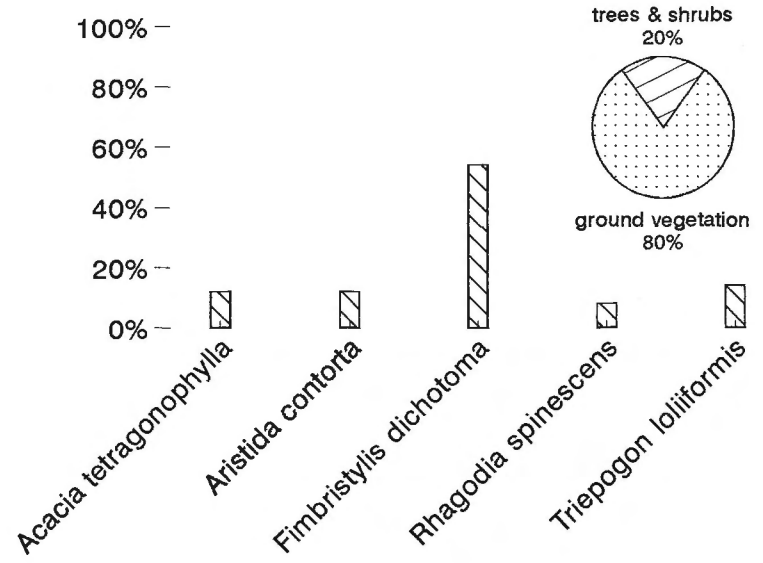


Fig. A2.65: sandplain/dunes, 22.03.89, E 14

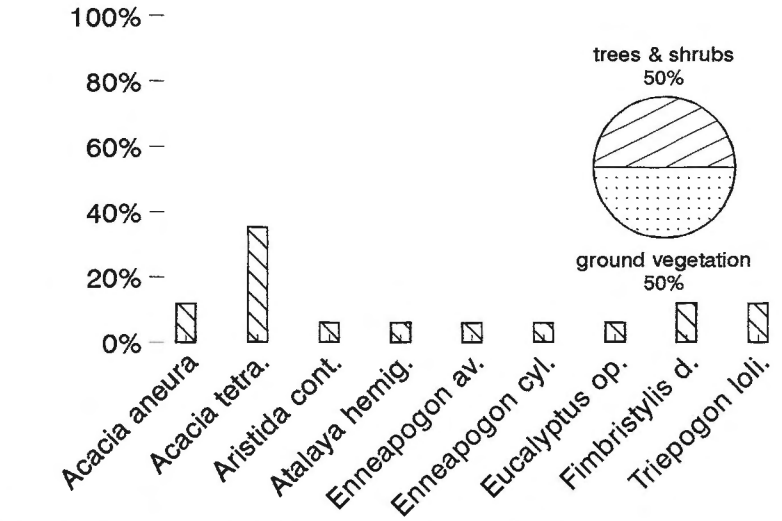


Fig. A2.66: sandplain/dunes, 22.03.89, E 14
Fig. A2.64-66: quantitative food selection from random samples

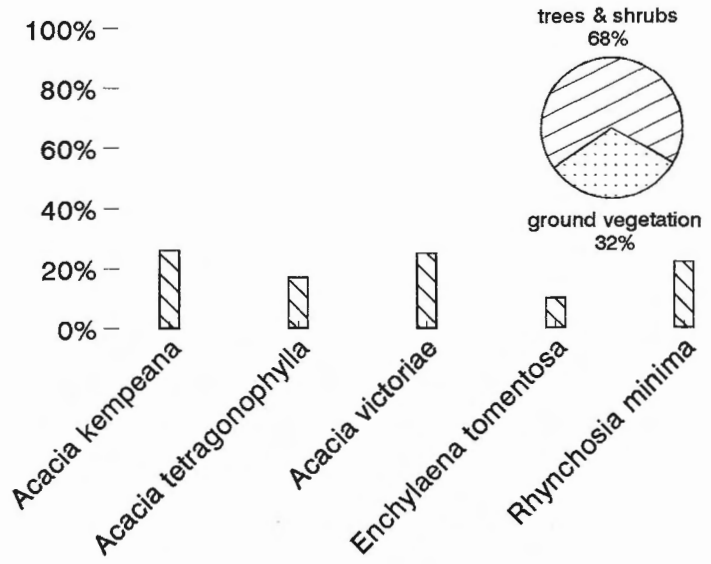


Fig. A2.67: sandplain/dunes, 29.04.89, E 4

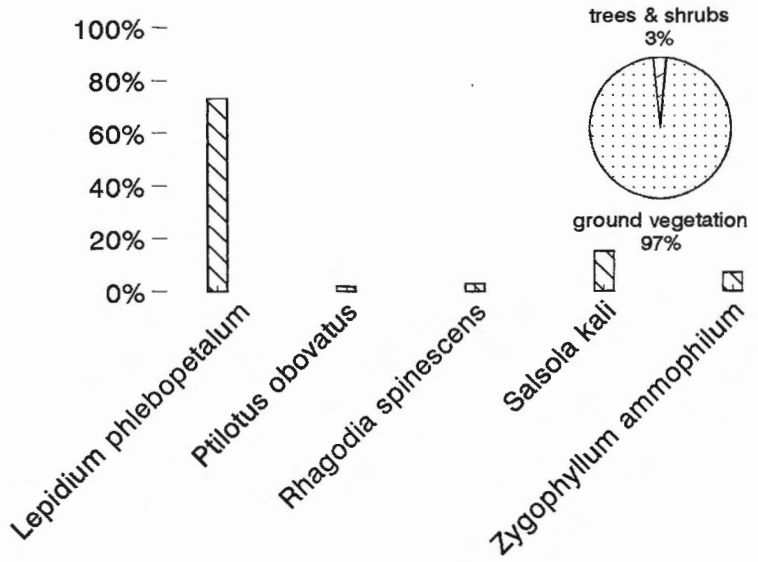


Fig. A2.68: sandplain/dunes, 29.04.89, E 4

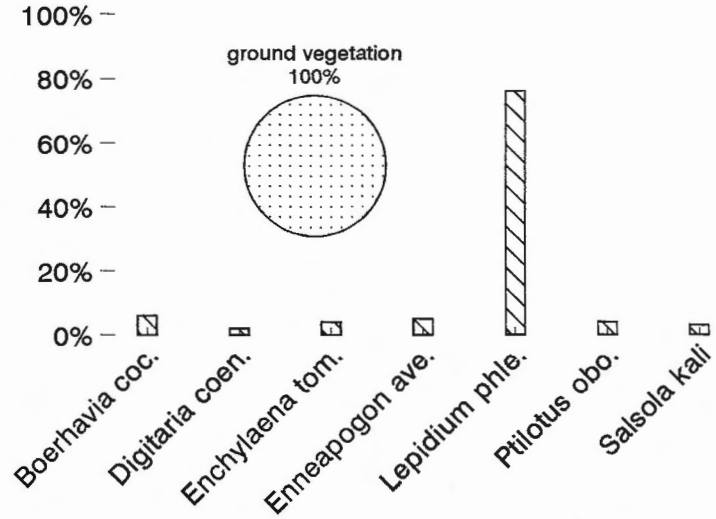


Fig. A2.69: sandplain/dunes, 29.04.89, E 4
Fig. A2.67-69: quantitative food selection from random samples

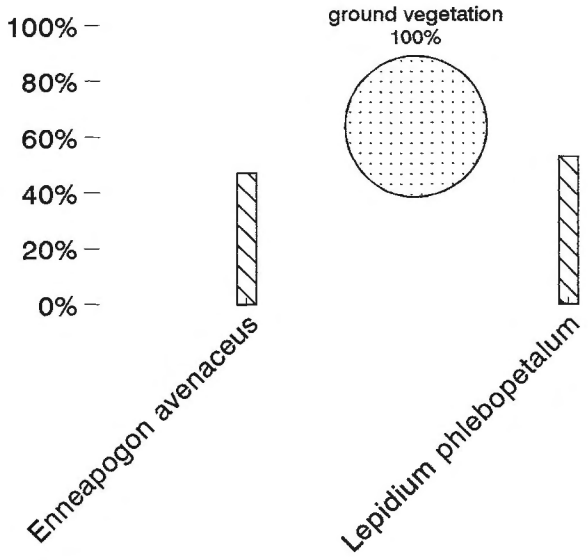


Fig. A2.70: sandplain/dunes, 29.04.89, E 5

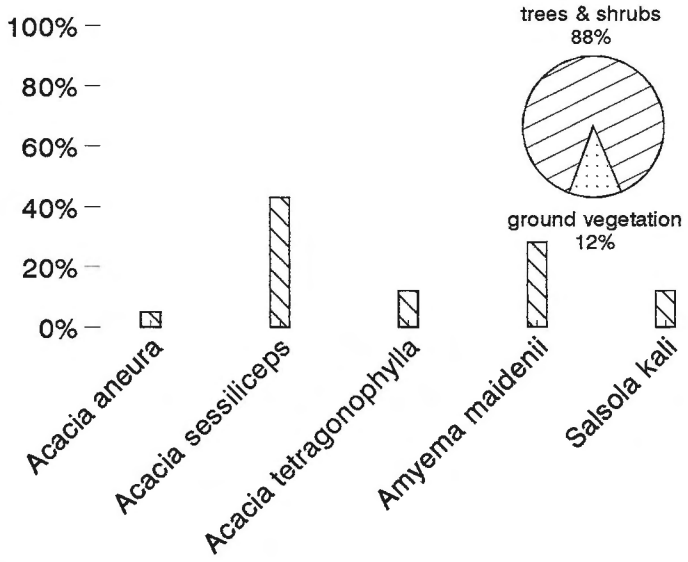


Fig. A2.71: sandplain/dunes, 29.04.89, E 4

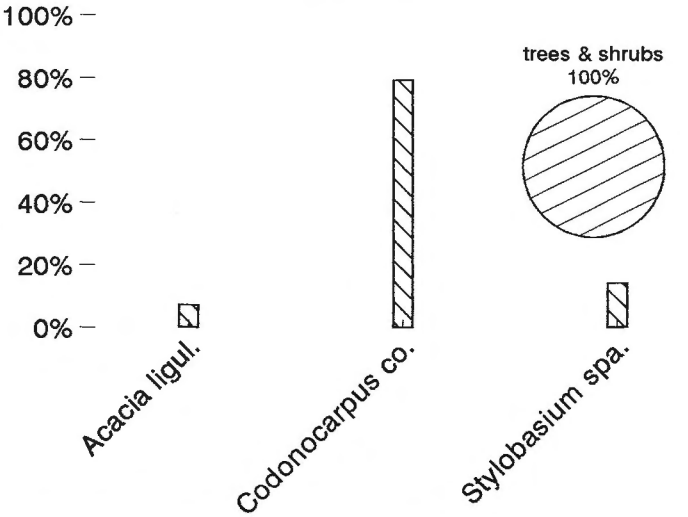


Fig. A2.72: sandplain/dunes, 02.05.89, D 3
Fig. A2.70-72: quantitative food selection from random samples

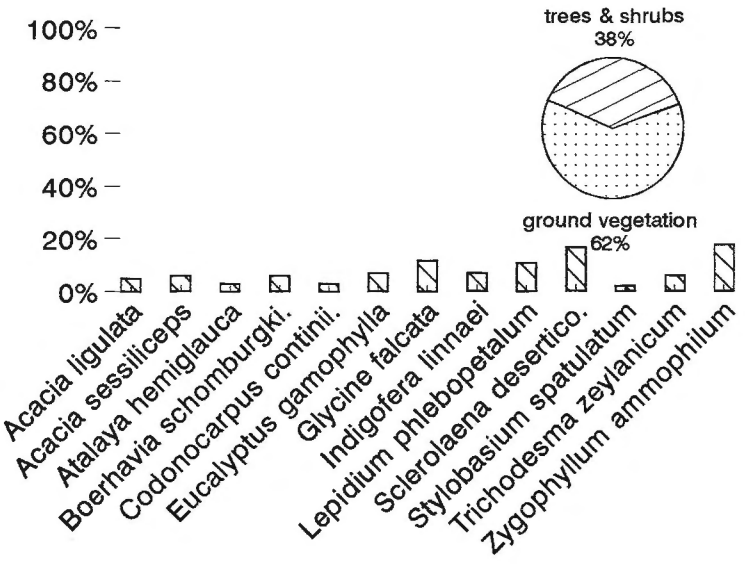


Fig. A2.73: sandplain/dunes, 02.05.89, D 3

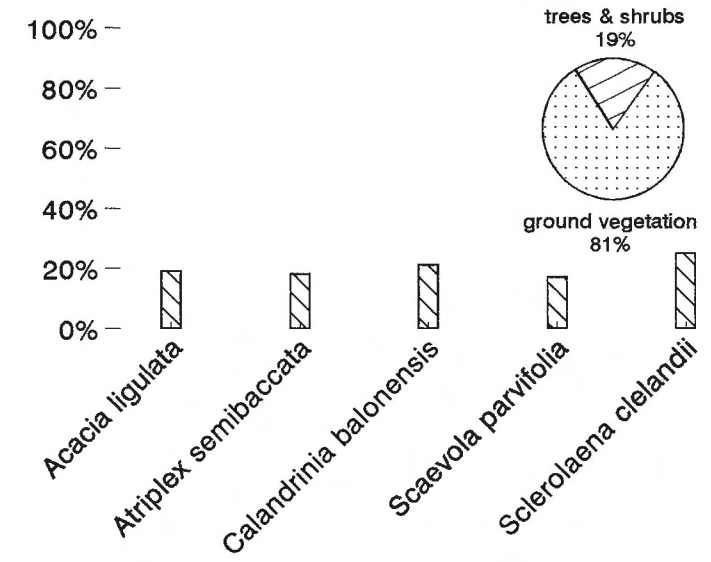


Fig. A2.74: sandplain/dunes, 13.06.89, C 7

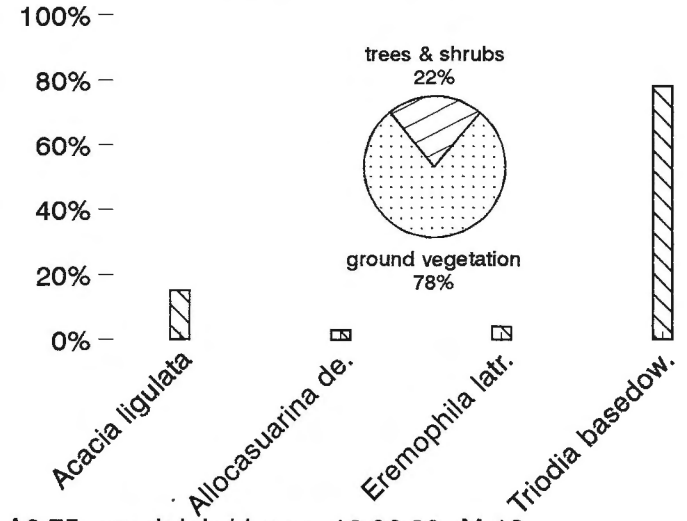


Fig. A2.75: sandplain/dunes, 12.06.89 M 18
Fig. A2.73-75: quantitative food selection from random samples

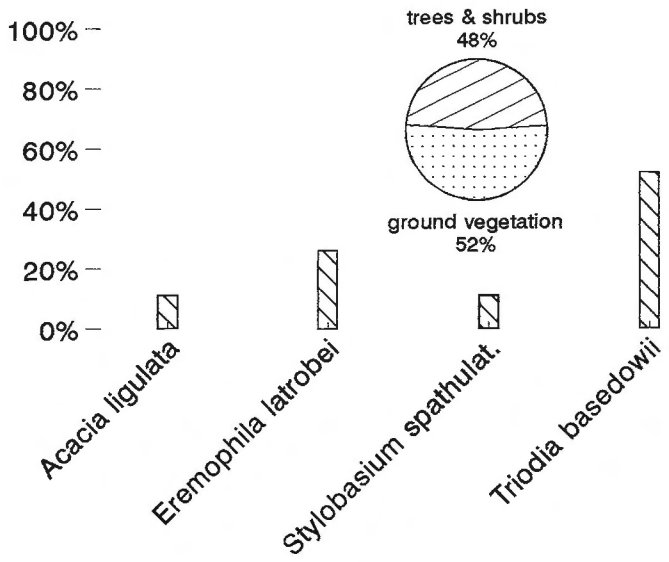


Fig. A2.76: sandplain/dunes, 14.06.89, M 18

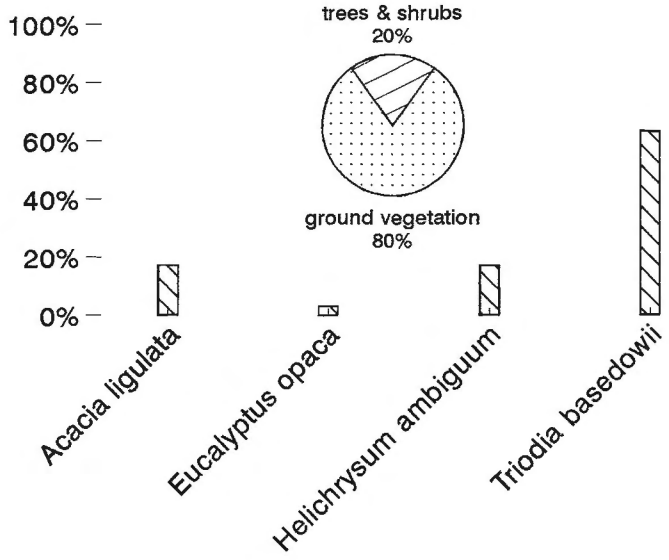


Fig. A2.77: sandplain/dunes, 09.07.89, N 21

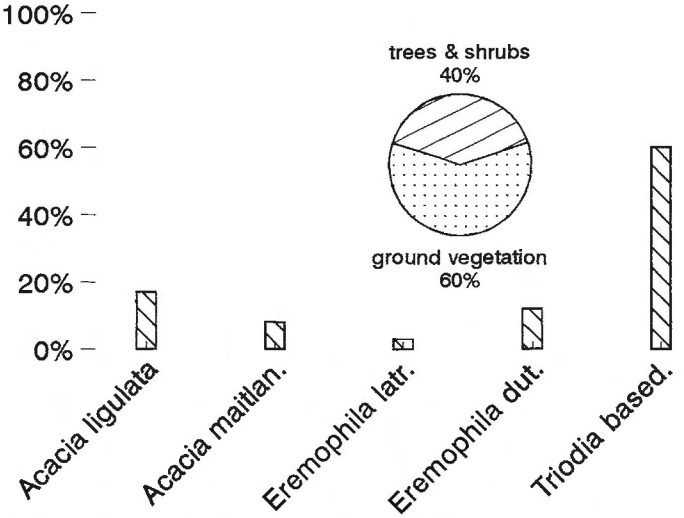


Fig. A2.78: sandplain/dunes, 09.07.89, N 20
Fig. A2.76-78: quantitative food selection from random samples

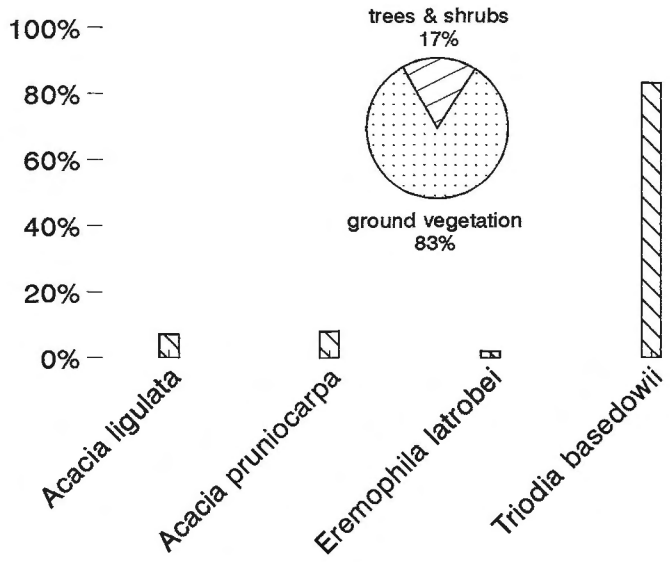


Fig. A2.79: sandplain/dunes, 10.07.89, N 21

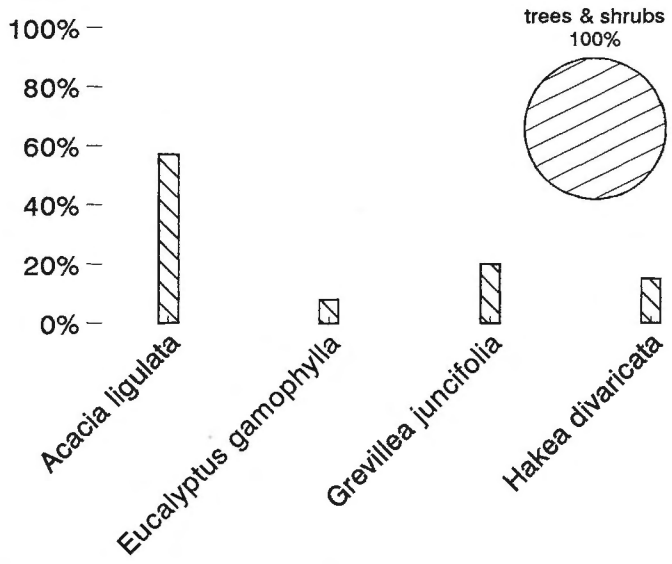


Fig. A2.80: sandplain/dunes, 07.08.89, E 11

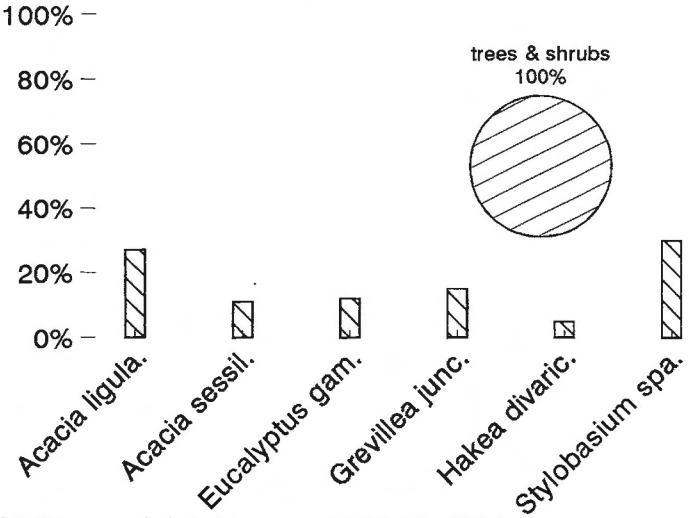


Fig. A2.81: sandplain/dunes, 07.08.89, E 11
Fig. A2.79-81: quantitative food selection from random samples

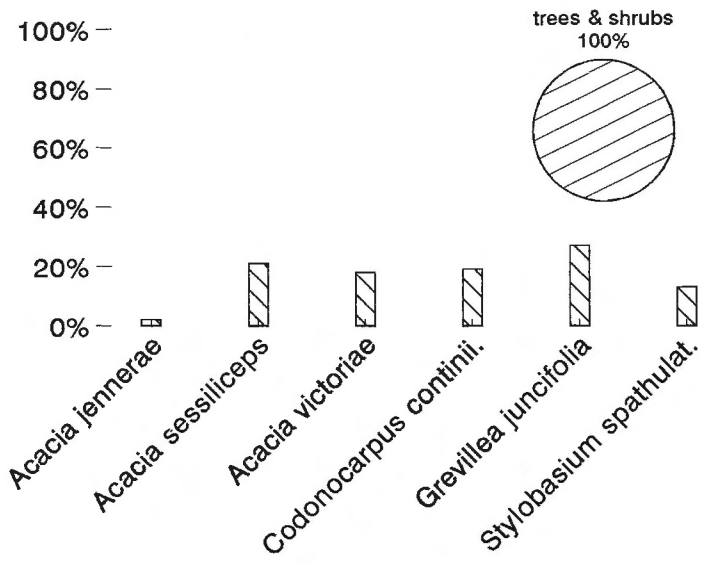


Fig. A2.82: sandplain/dunes, 06.09.89, D 21

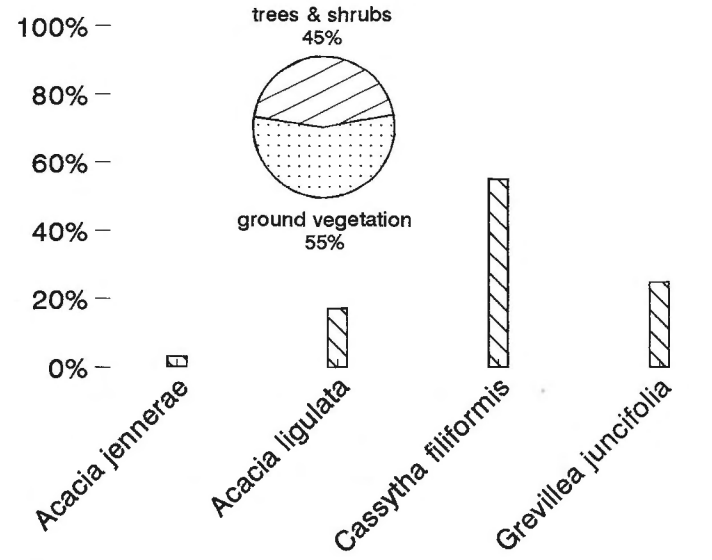


Fig. A2.83: sandplain/dunes, 07.09.89, D 21

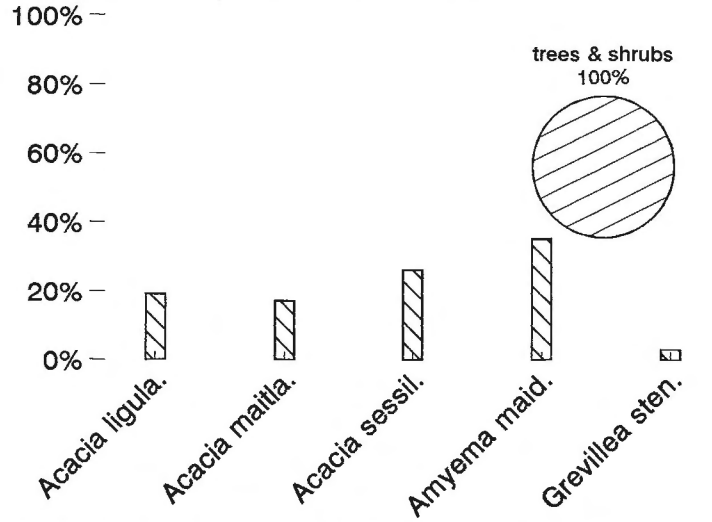


Fig. A2.84: sandplain/dunes, 10.09.89, E 4
Fig. A2.82-84: quantitative food selection from random samples

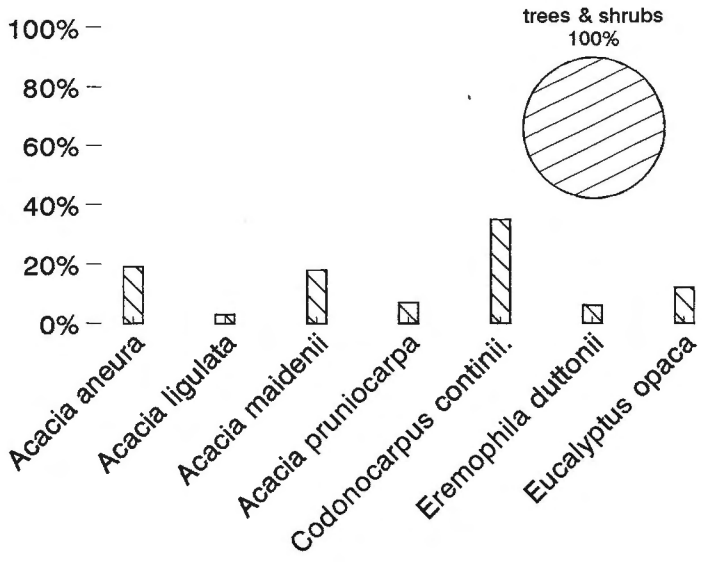


Fig. A2.85: sandplain/dunes, 14.09.89, L 19

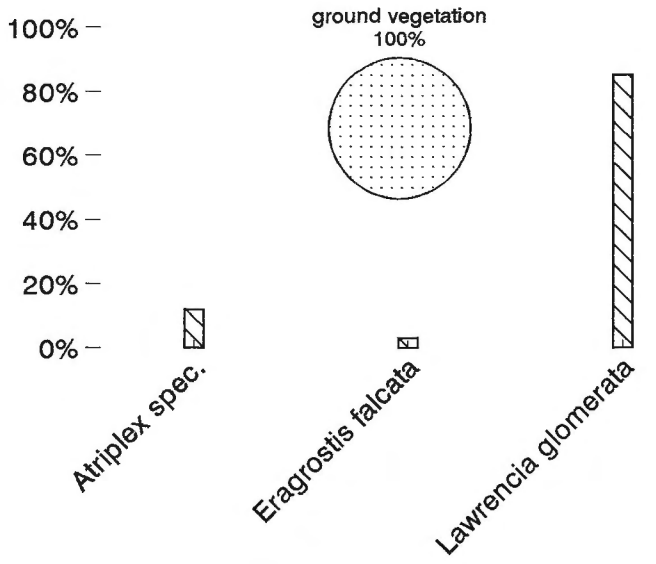


Fig. A2.86: saltmarsh, 07.09.87, E 5

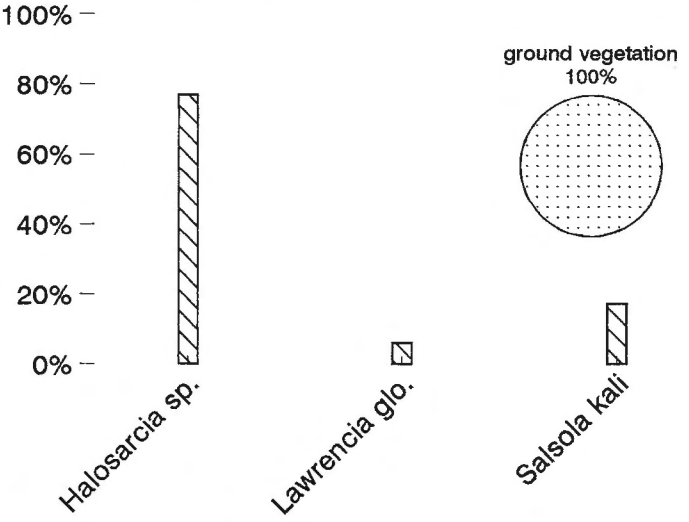


Fig. A2.87: saltmarsh, 07.03.88, D 4
Fig. A2.85-87: quantitative food selection from random samples

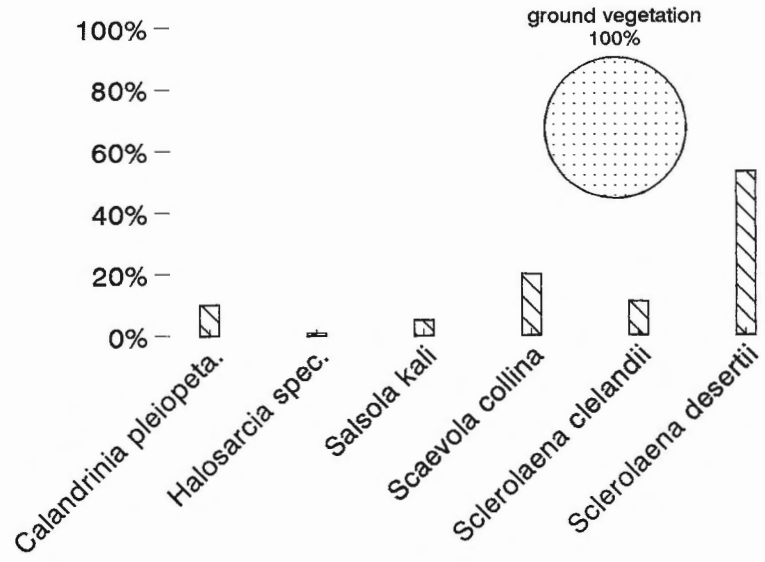


Fig. A2.88: saltmarsh, 07.05.88, E 10

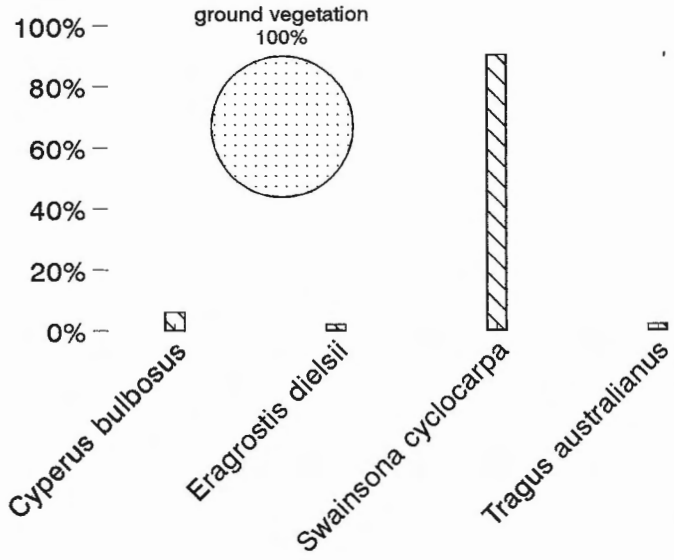


Fig. A2.89: saltmarsh, 27.05.88, C 20

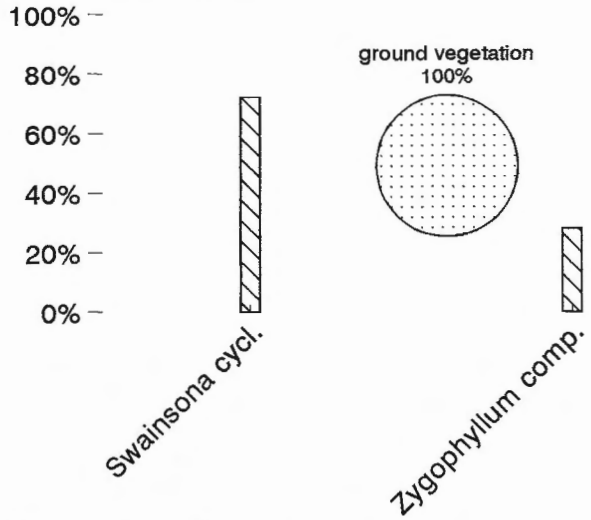


Fig. A2.90: saltmarsh, 30.05.88, C 20
Fig. A2.88-90: quantitative food selection from random samples

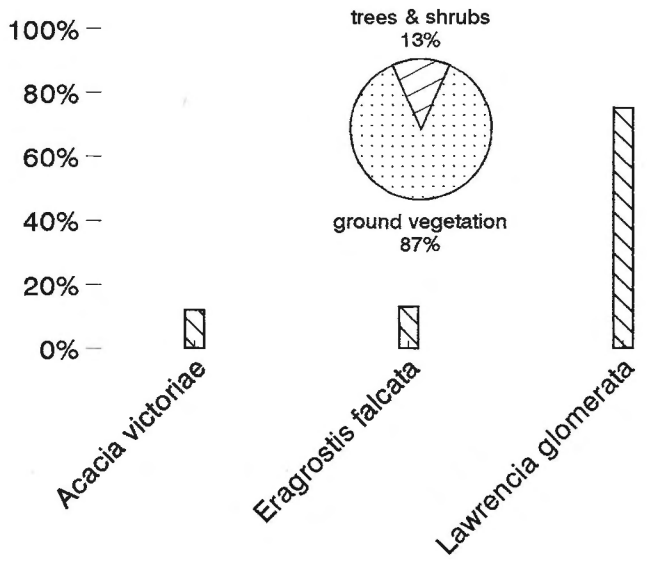


Fig. A2.91: saltmarsh, 08.08.89, D 1

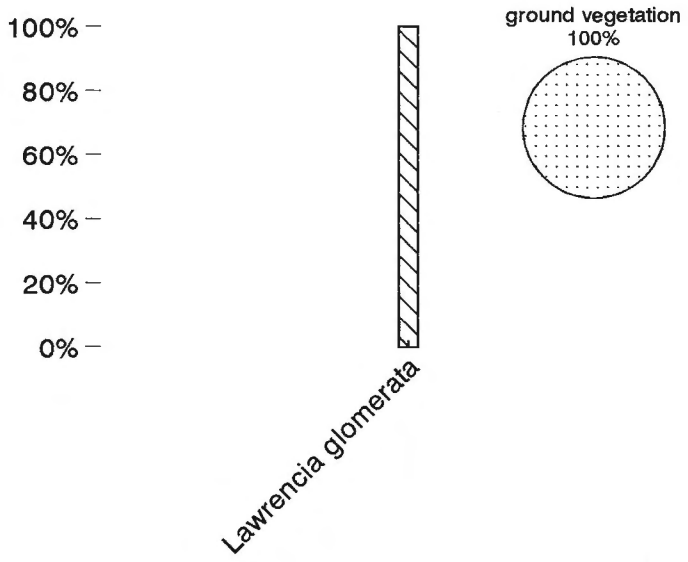


Fig. A2.92: saltmarsh, 09.09.88, E 8

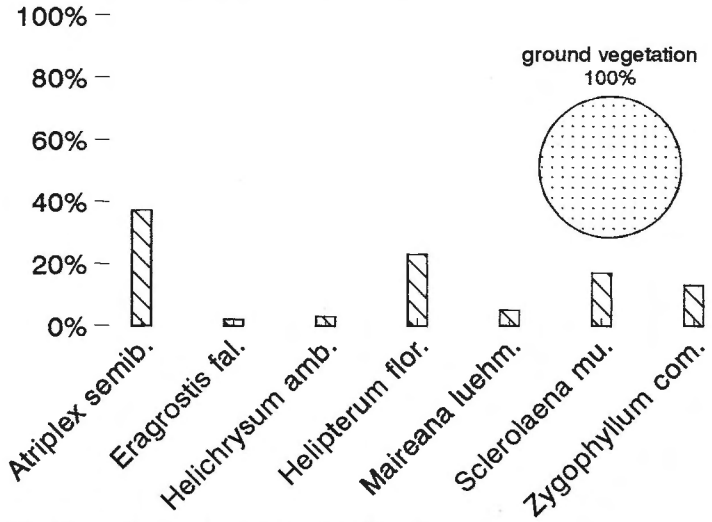


Fig. A2.93: saltmarsh, 11.09.89, D 10
Fig. A2.91-93: quantitative food selection from random samples

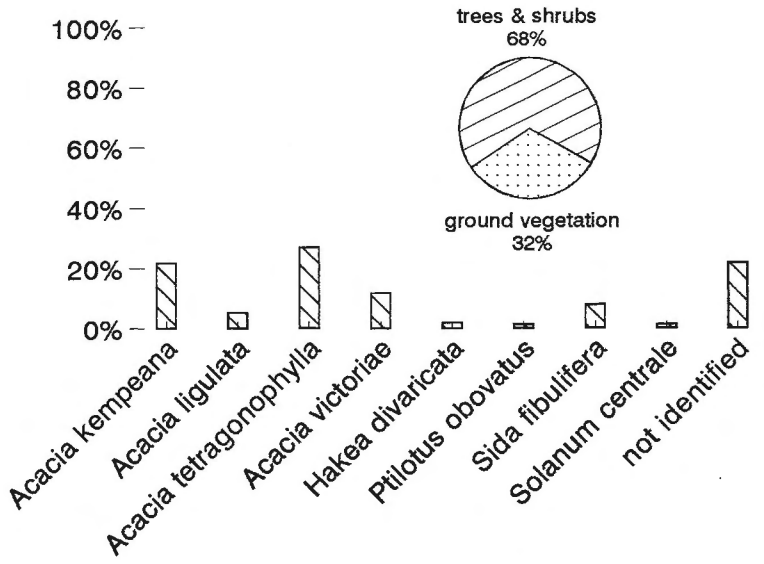


Fig. A3.1: bushland, 14.-15.02.87, BF5, BF4, n=152

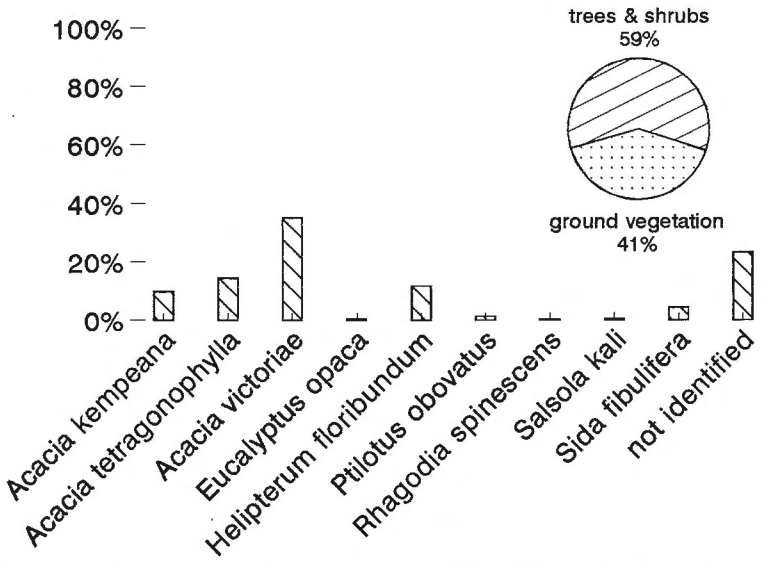


Fig. A3.2: bushland, 12.-14.03.87, BC6-8, BB8, BD9-10, n=718

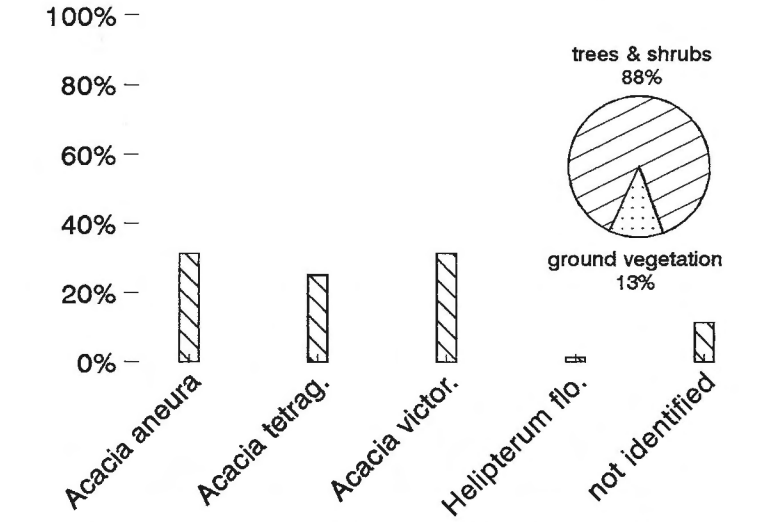


Fig. A3.3: bushland, 14.03.87, BG3, BH3, BH4, n=80
Fig. A3.1-3: quantitative food selection from continuous observation

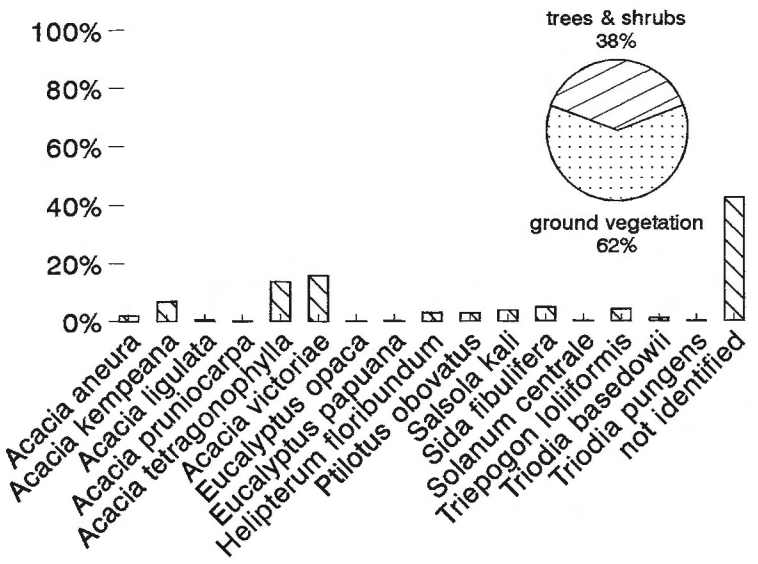


Fig. A3.4: bushland, 15.-16.03.87, BE7, BH9, BA9, BC9, n=741

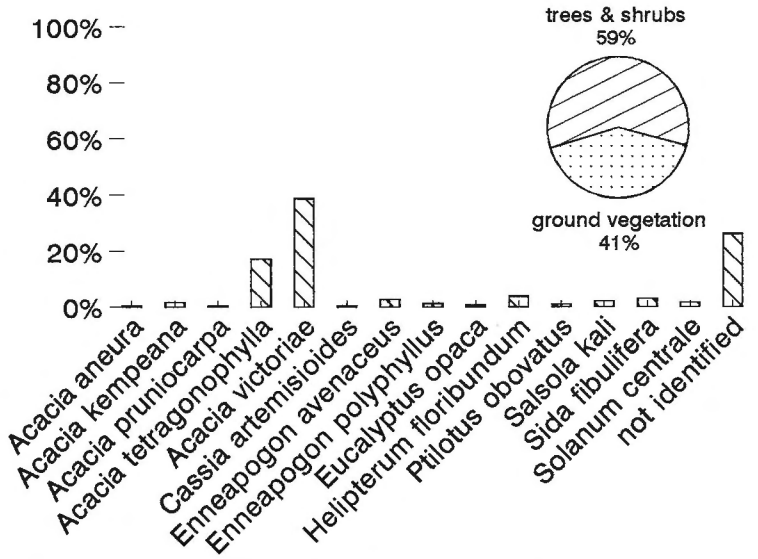


Fig. A3.5: bushland, 08.04.87, BF2, BF5, n=587

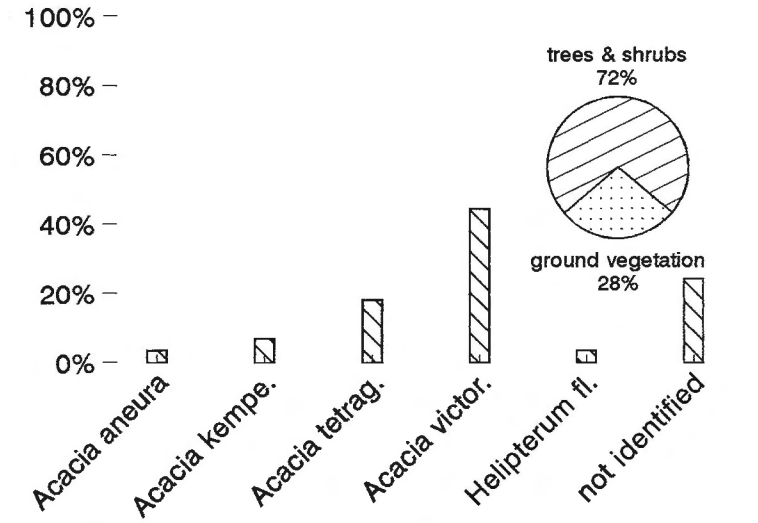


Fig. A3.6: bushland, 04.06.87, BB9, BB8, BC6, n=472
Fig. A3.4-6: quantitative food selection from continuous observation

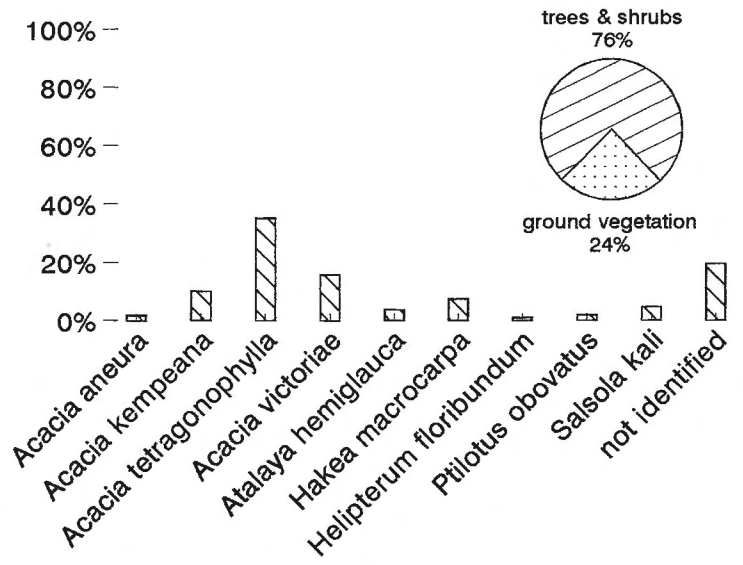


Fig. A3.7: bushland, 05.06.87, BD9, BG7, n=119

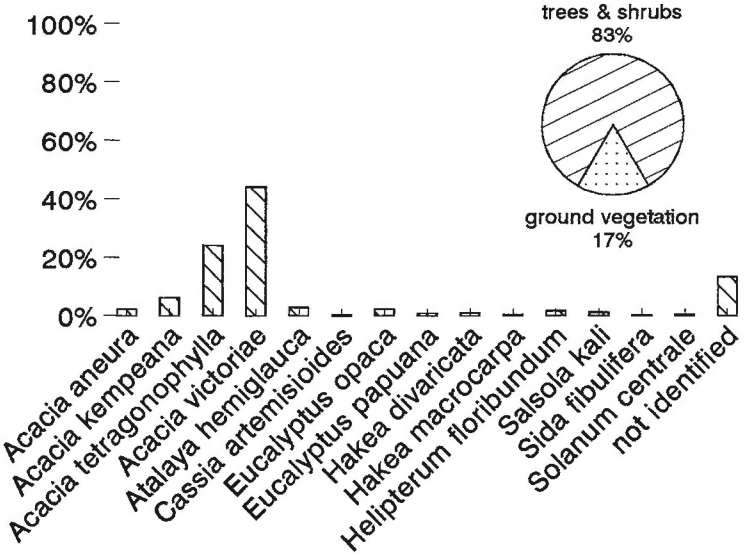


Fig. A3.8: bushland, 08.06.87, BD4, BF2, n=508

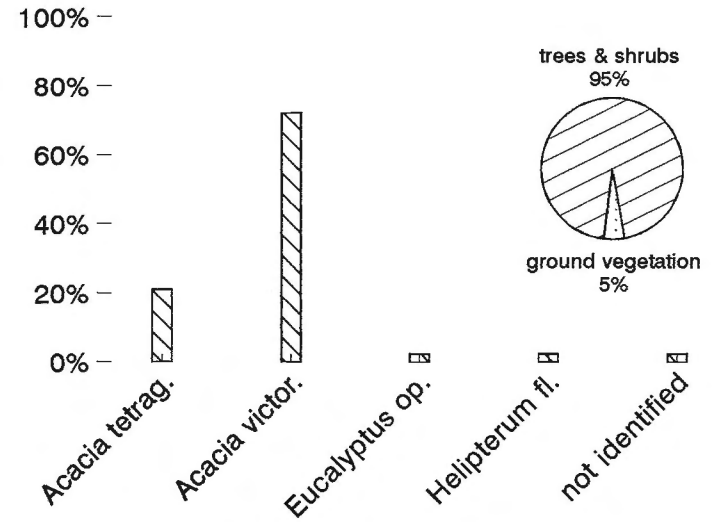


Fig. A3.9: bushland, 09.06.87, BA9, n=43
Fig. A3.7-9: quantitative food selection from continuous observation

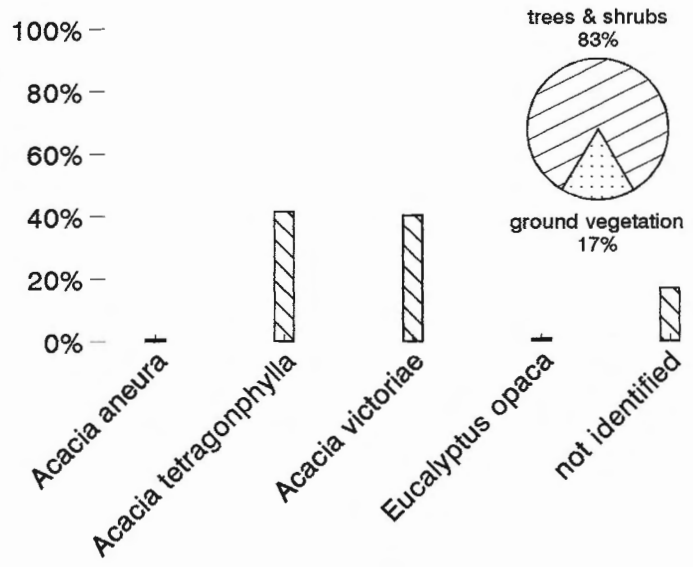


Fig. A3.10: bushland, 31.08.87, BF9, BE5, n=154

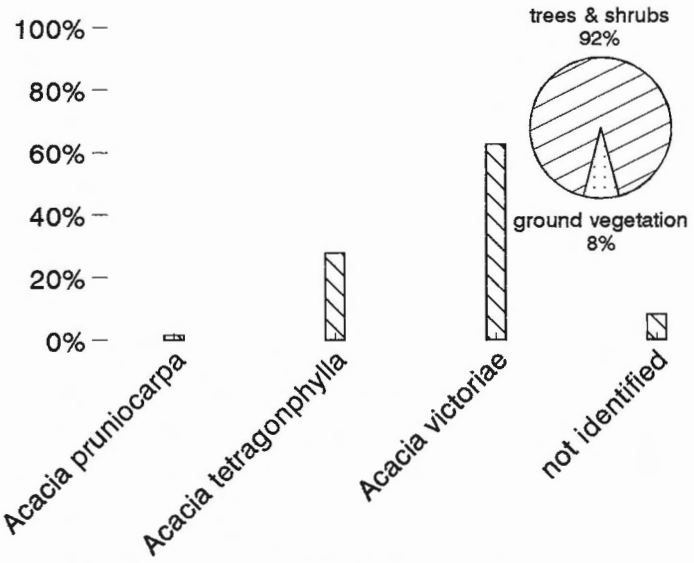


Fig. A3.11: bushland, 03.09.87, BG4, n=197

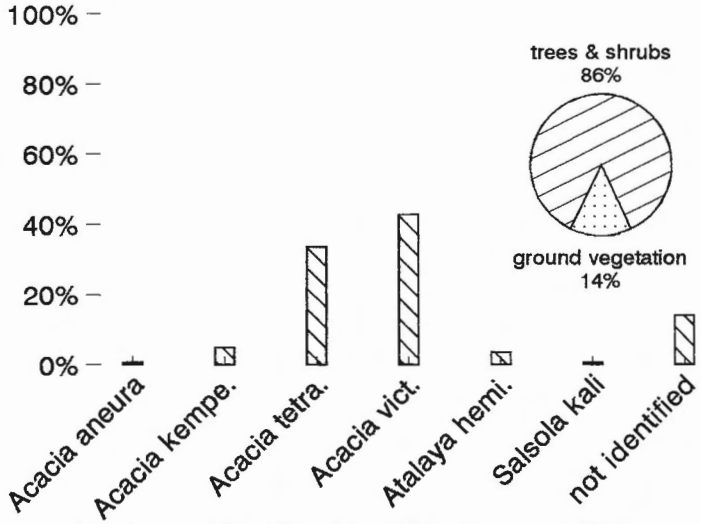


Fig. A3.12: bushland, 03.09.87, H15, H14, G14, n=142
Fig. A3.10-12: quantitative food selection from continuous observation

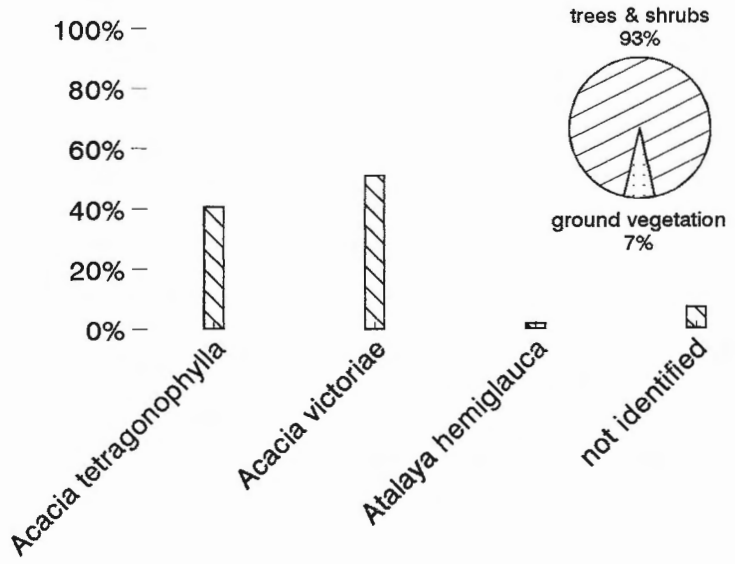


Fig. A3.13: bushland, 04.09.87, G17, G18, n=57

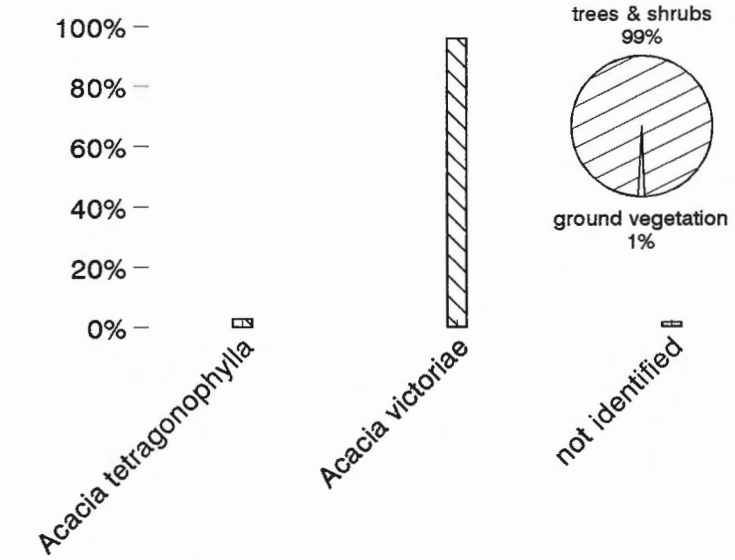


Fig. A3.14: bushland, 07.09.87, BC9, n=142

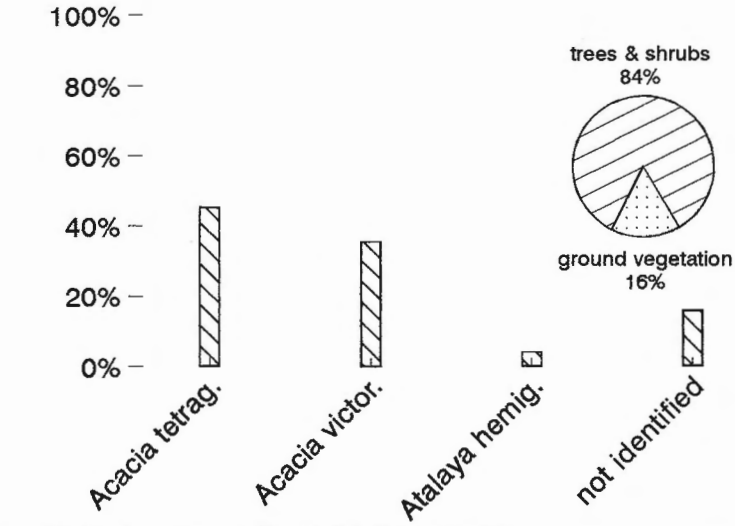


Fig. A3.15: bushland, 08.09.87, G16, n=51
Fig. A3.13-15: quantitative food selection from continuous observation

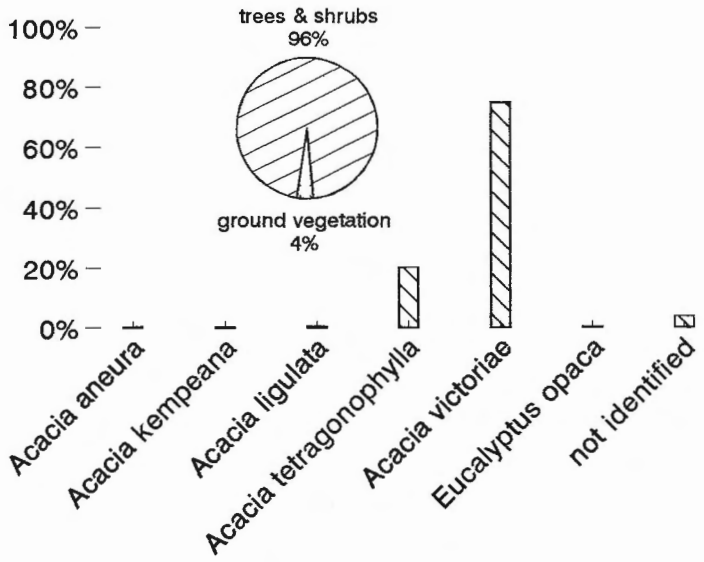


Fig. A3.16: bushland, 08.08.87, BF2, BD3, BE6, BE7, n=349

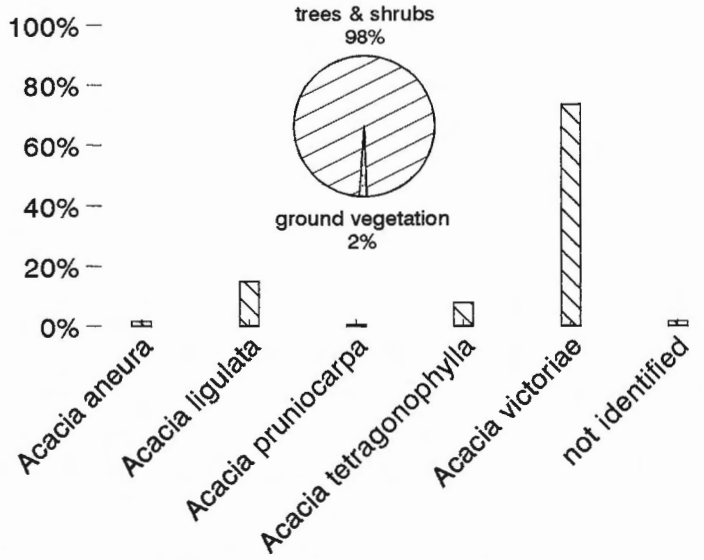


Fig. A3.17: bushland, 30.09.87, BG5, BE2, n=181

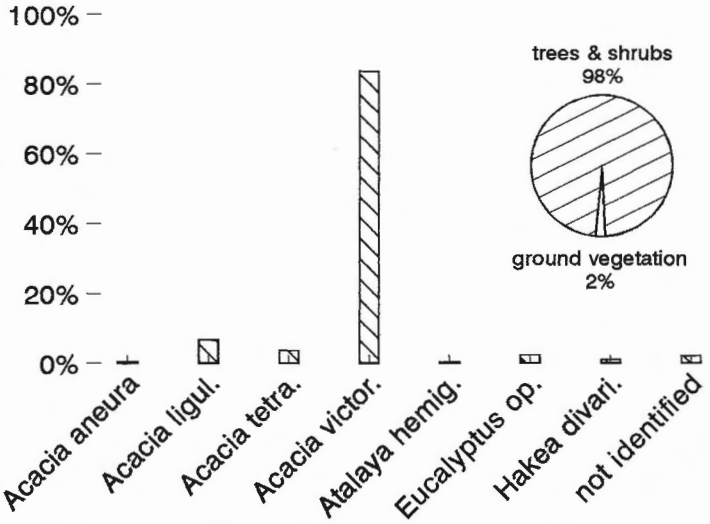


Fig. A3.18: bushland, 02.10.87, BG6, BF5, BE5, BD6, n=453
Fig. A3.16-18: quantitative food selection from continuous observation

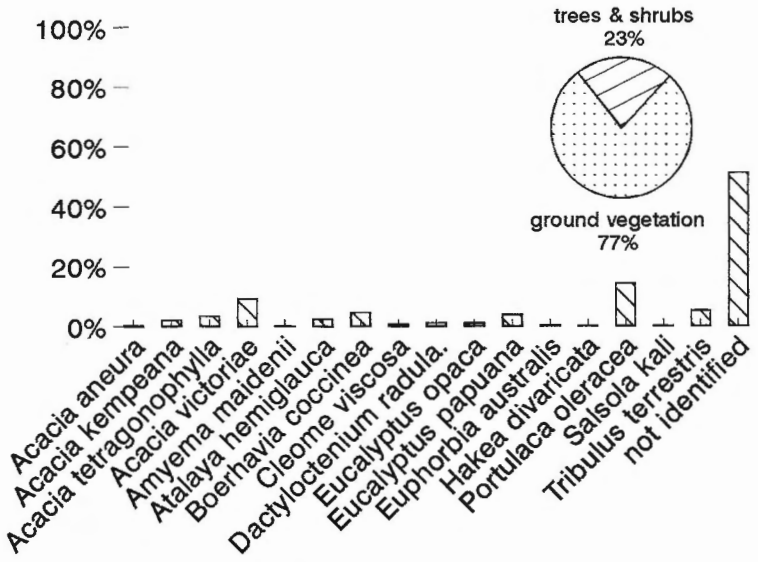


Fig. A3.19: bushland, 02.-04.03.88, I2-4, J2, K2, H2, n=918

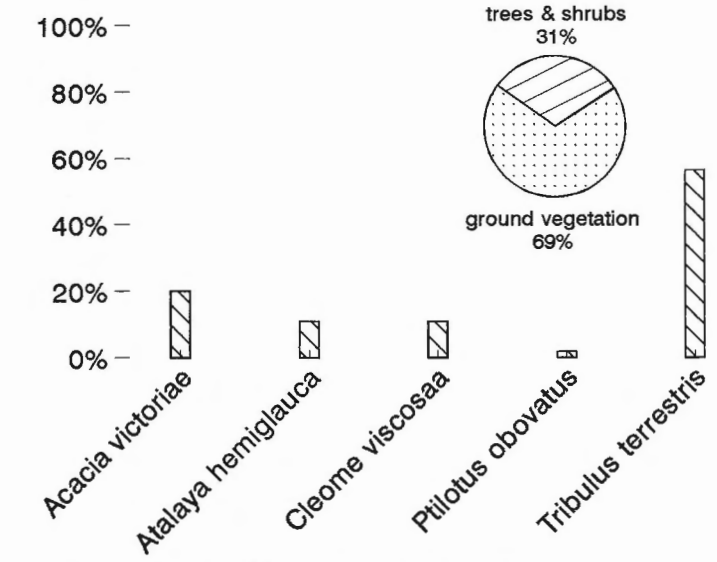


Fig. A3.20: bushland, 28.03.88, G19, n=55

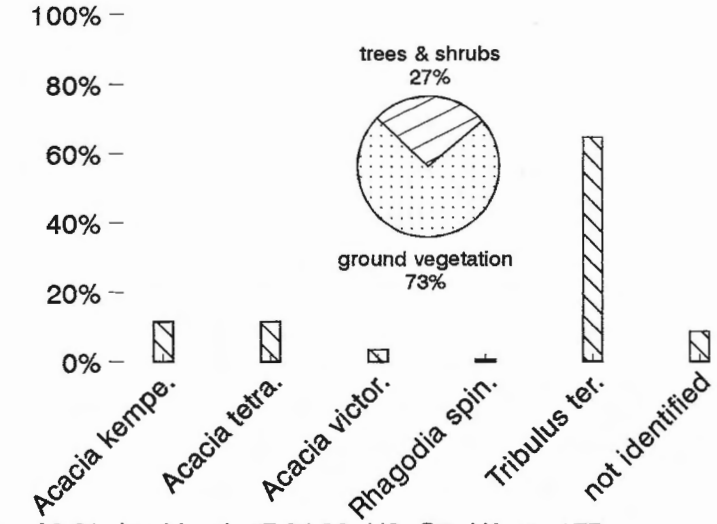


Fig. A3.21: bushland, 27.04.88, H3, G3, H2, n=175
Fig. A3.19-21: quantitative food selection from continuous observation

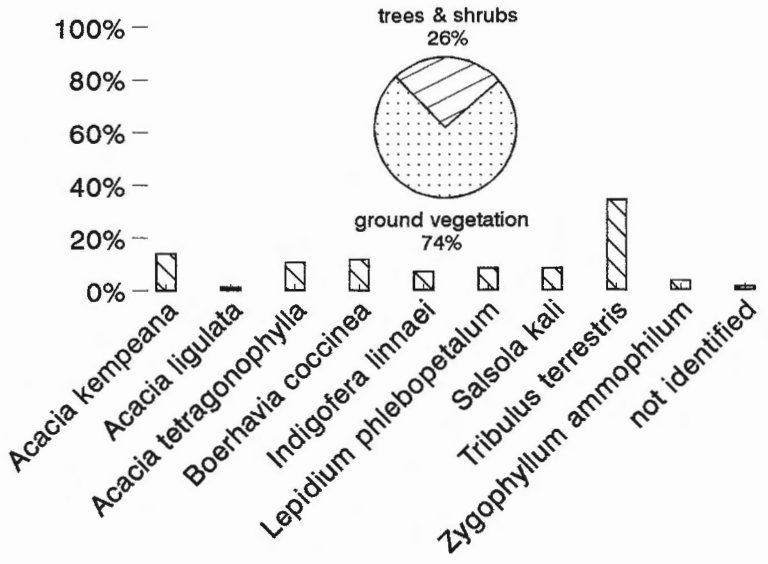


Fig. A3.22: bushland, 21.05.88, BC5, n=85

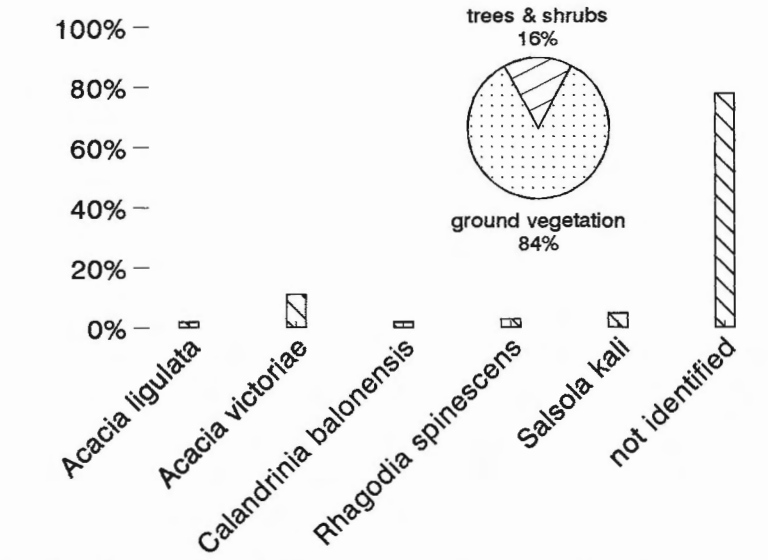


Fig. A3.23: bushland, 23.05.88, F1, G1, G2, n=108

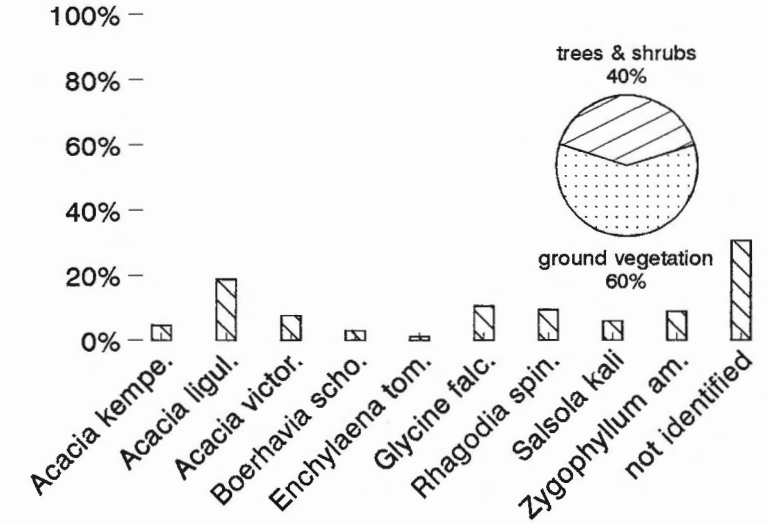


Fig. A3.24: bushland, 23.05.88, F2, F1, G2, n=171
Fig. A3.22-24: quantitative food selection from continuous observation

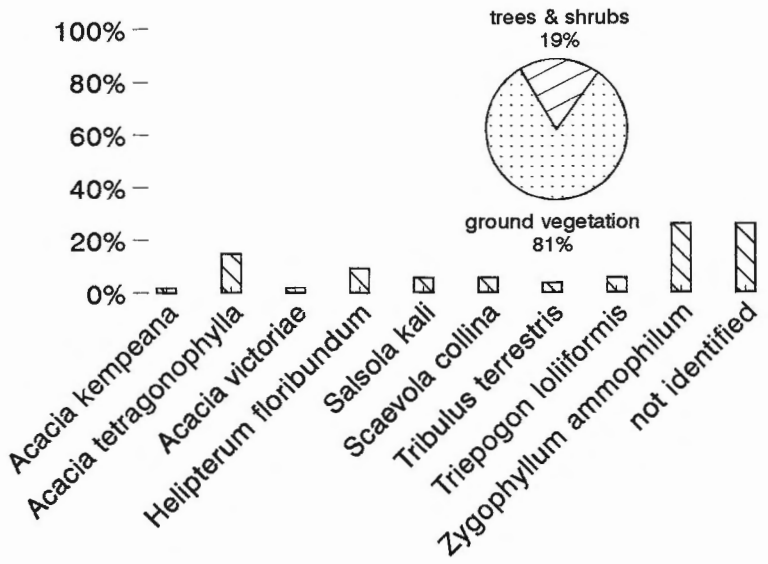


Fig: A3.25: bushland, 29.05.88, BB8, n=54

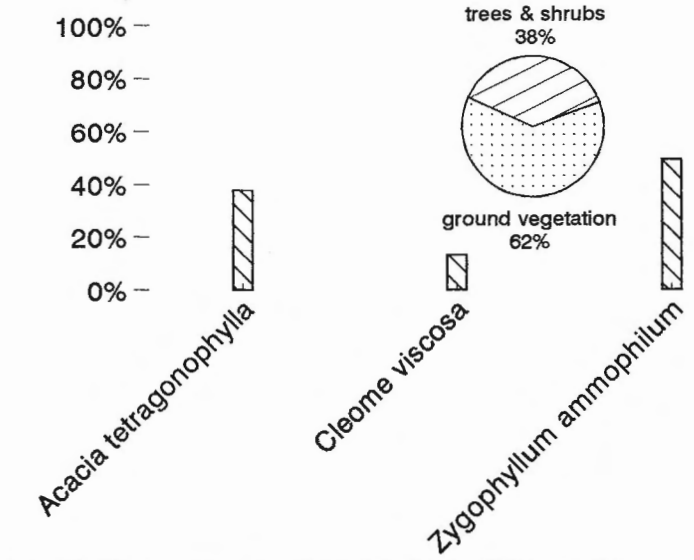


Fig. A3.26: bushland, 19.06.88, BB8, BC8, n=61

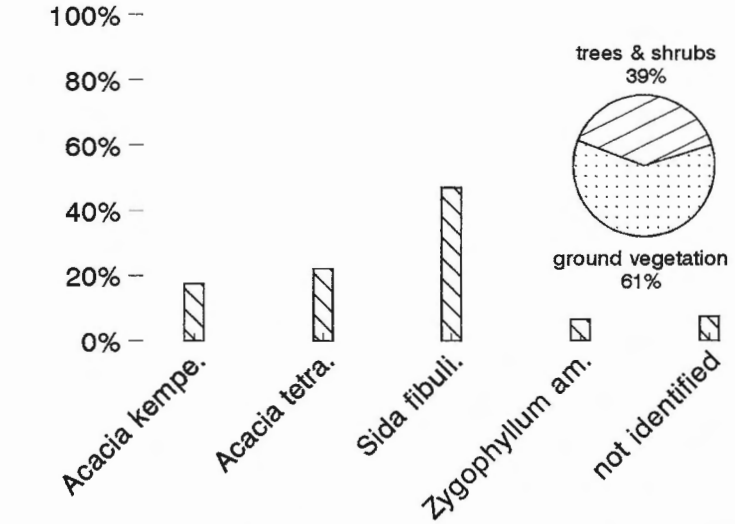


Fig. A3.27: bushland, 22.06.88, BB9, BB8, n=109
Fig. A3.25-27: quantitative food selection from continuous observation

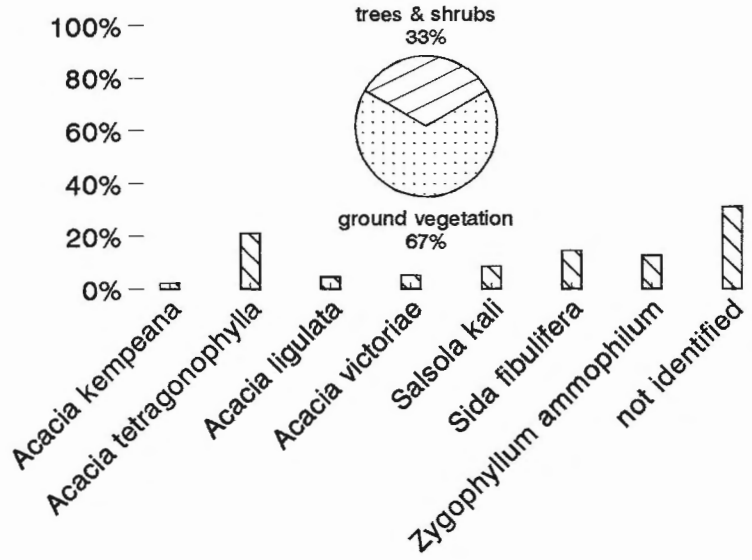


Fig. A3.28: bushland, 25.06.88, BC9, BB9, BA9, BA10, n=174

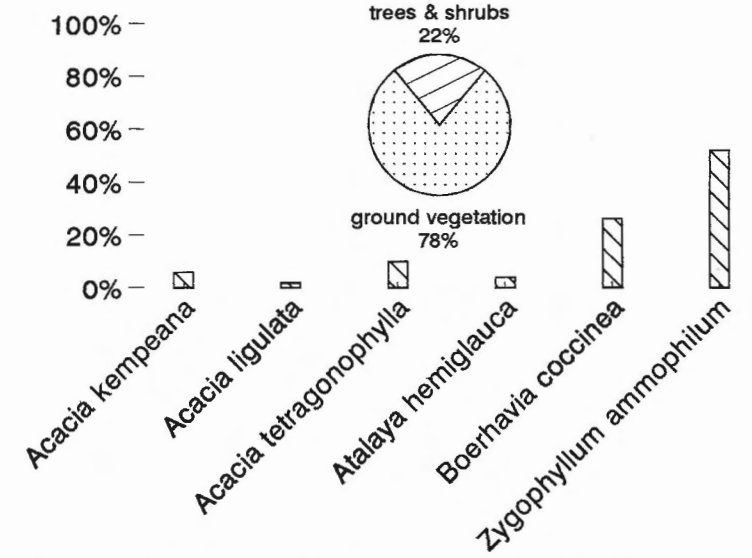


Fig. A3.29: bushland, 09.07.88, BF6-8, BE5-6, n=50

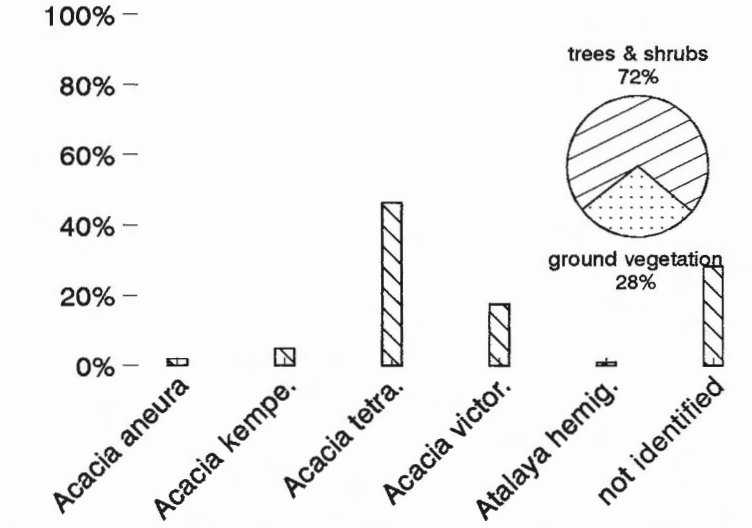


Fig. A3.30: bushland, 14.07.88, BB9, BC9, BD9, BE10, n=205
Fig. A3.28-30: quantitative food selection from continuous observation

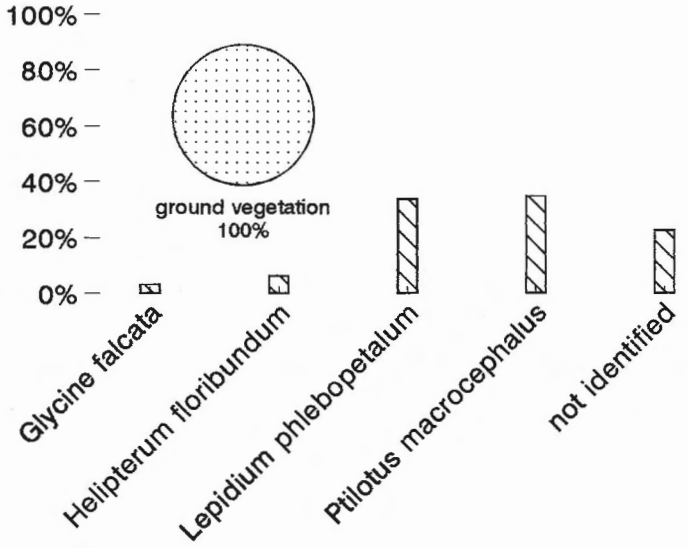


Fig. A3.31: bushland, 23.07.88, F2, G2, n=98

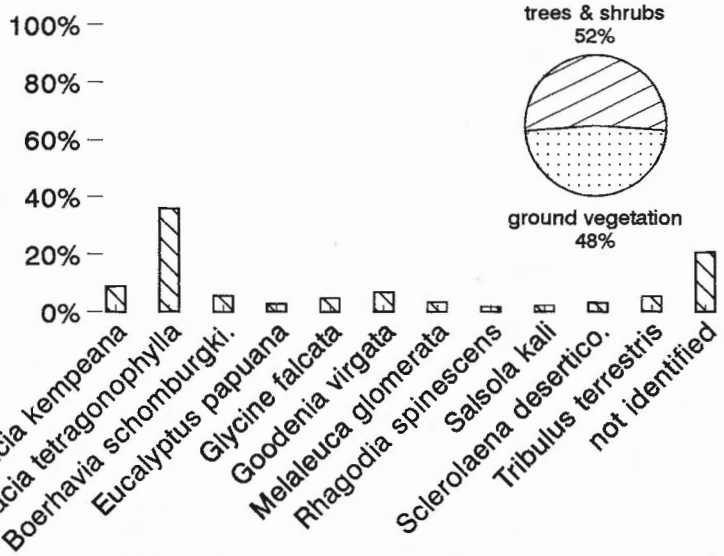


Fig. A3.32: bushland, 25.-26.07.88, G6-12, H6-11, I9, n=485

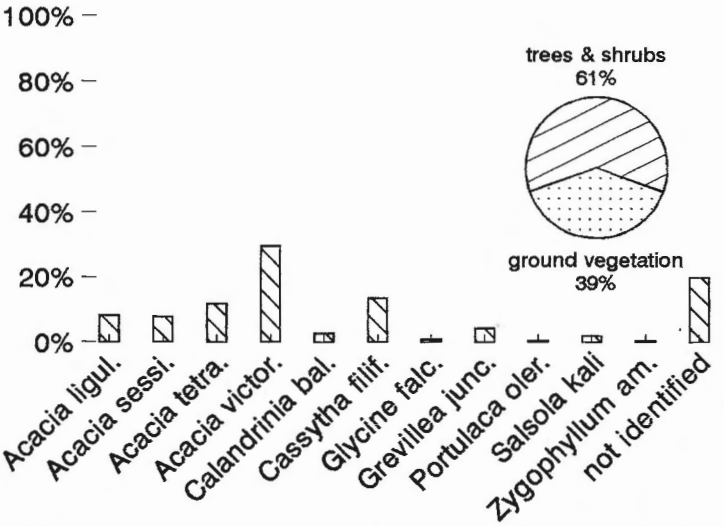


Fig. A3.33: bushland, 24.-25.09.88, C13-18, D19-21, n=454
Fig. A3.31-33: quantitative food selection from continuous observation

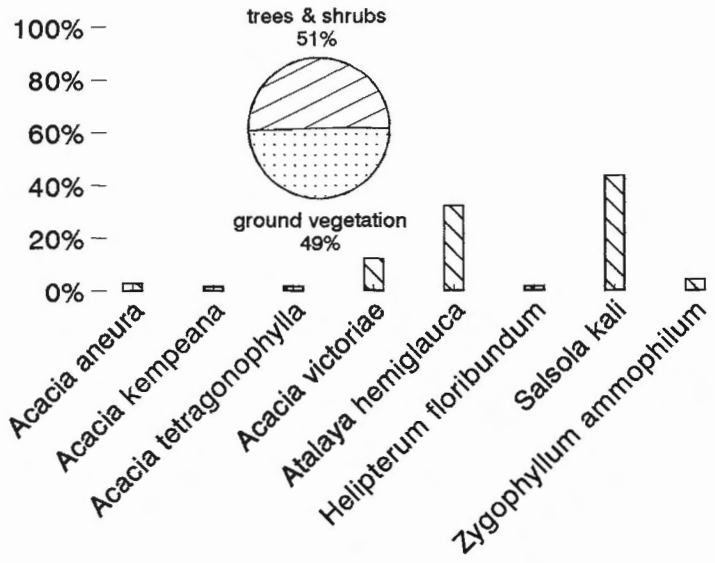


Fig. A3.34: bushland, 06.10.88, H17, n=237

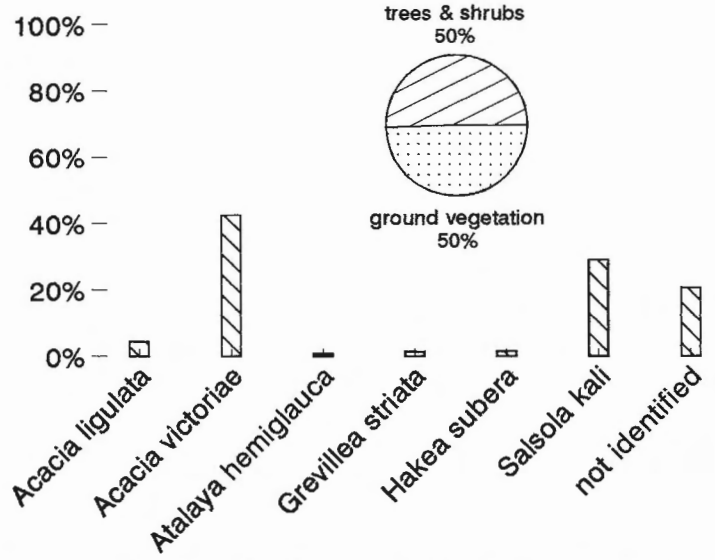


Fig. A3.35: bushland, 14.-15.11.88, H13-19, J17-18, n=525

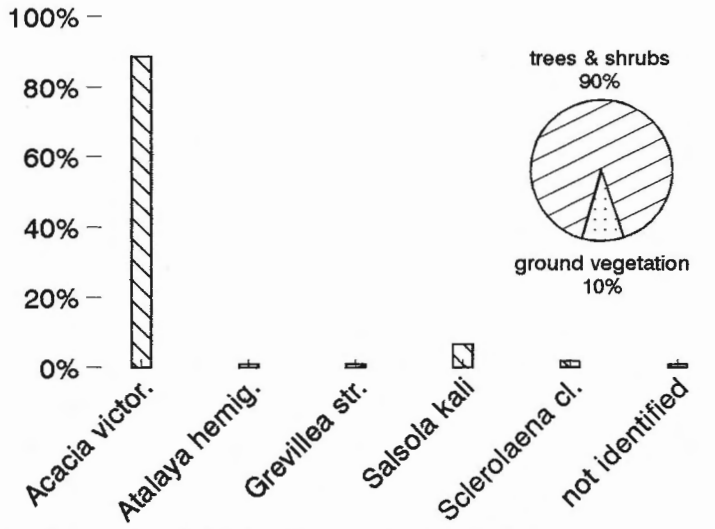


Fig. A3.36: bushland, 16.11.88, J2, J3, I3, H3, n=105
Fig. A3.34-36: quantitative food selection from continuous observation

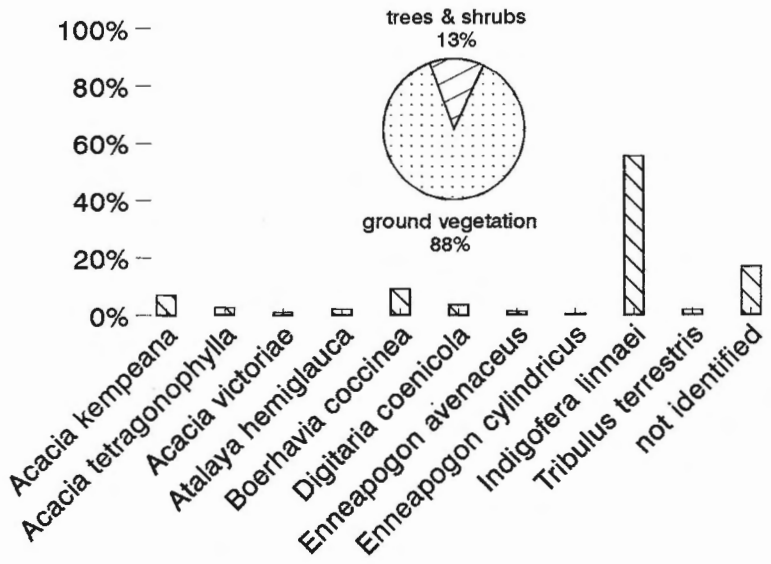


Fig. A3.37: bushland, 18.-19.12.88, J4, J3, J2, n=432

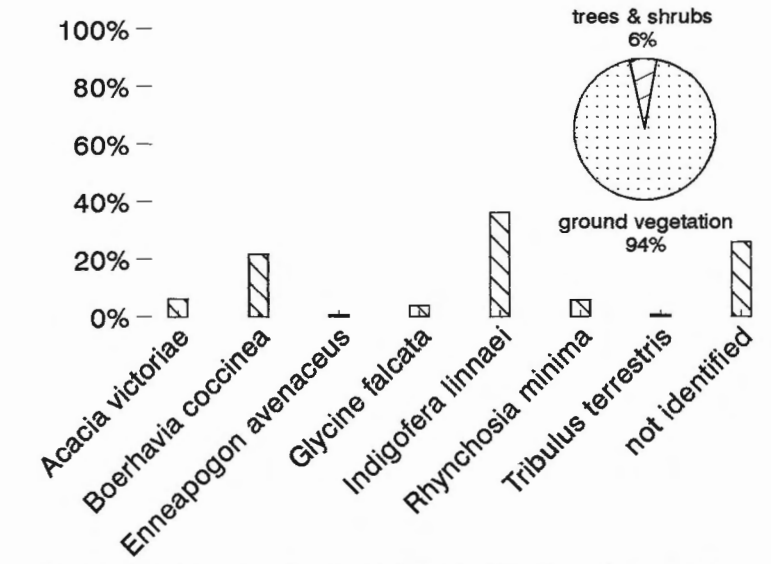


Fig. A3.38: bushland, 11.-12.01.89, I4, H4, H3, G3, n=323

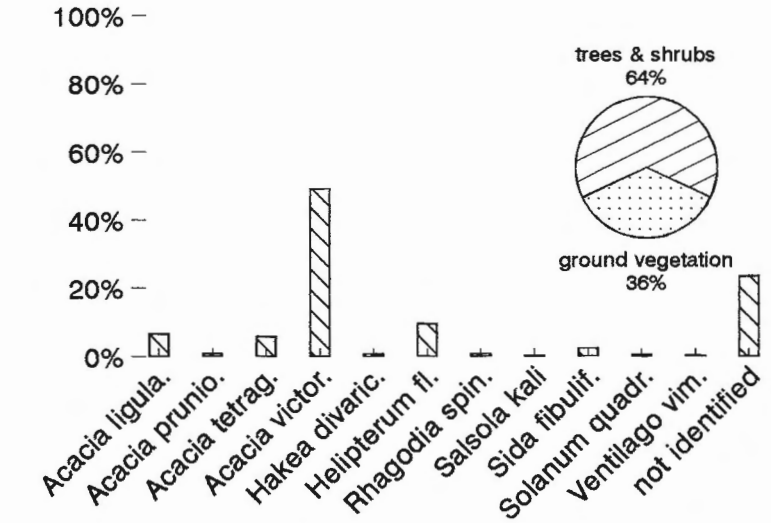


Fig. A3.39: sandplain/dunes, 02.12.86, BE6, BI3, n=397
Fig. A3.37-39: quantitative food selection from continuous observation

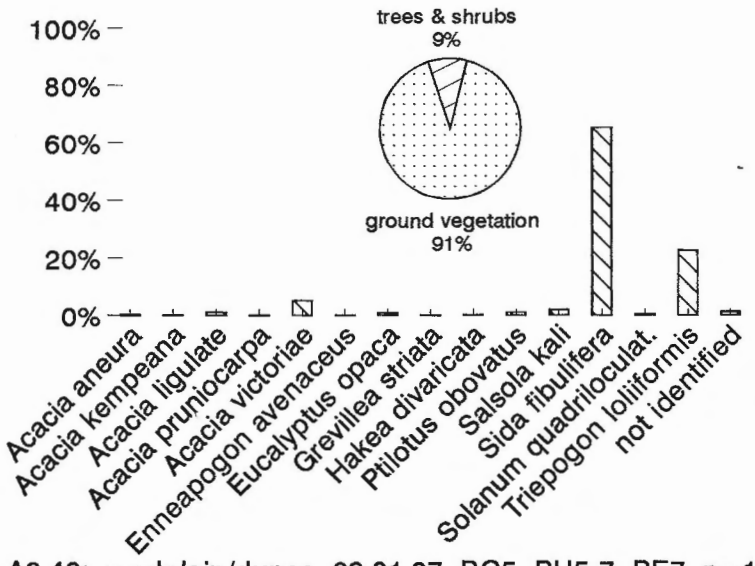


Fig. A3.40: sandplain/dunes, 29.01.87, BG5, BH5-7, BE7, n=1633

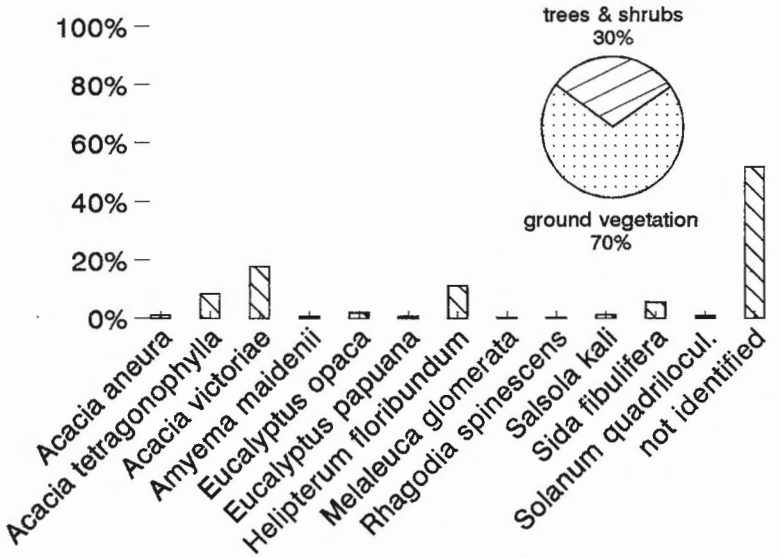


Fig. A3.41: sandplain/dunes, 07.03.87, BF3, BD3, BE5, n=1462

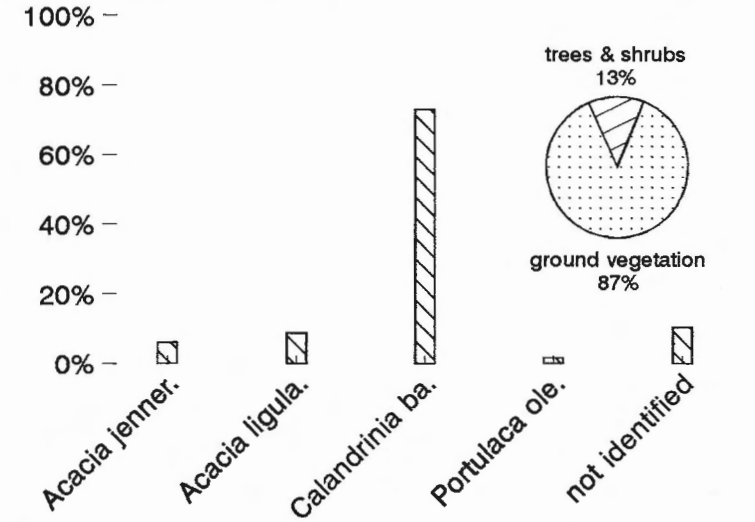


Fig. A3.42: sandplain/dunes, 09.09.87, B13, C13, n=202
Fig. A3.40-42: quantitative food selection from continuous observation

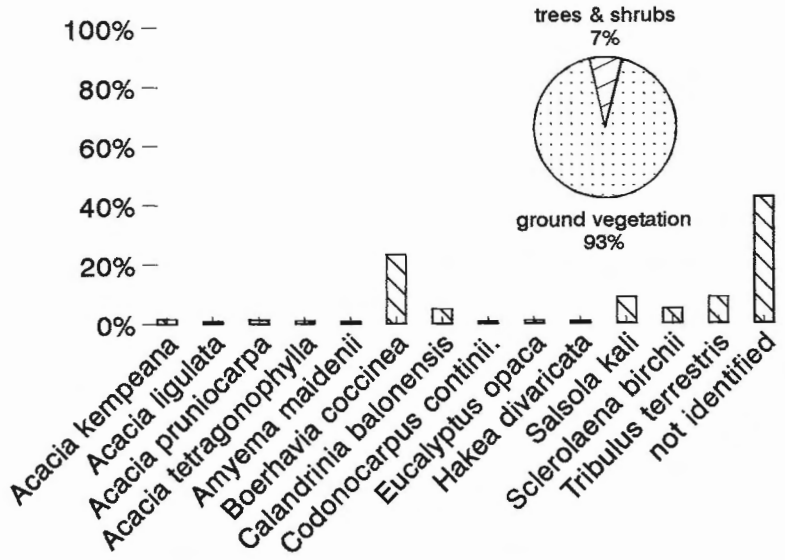


Fig. A3.43: sandplain/dunes, 03.02.88, M7-11, N11, n=311

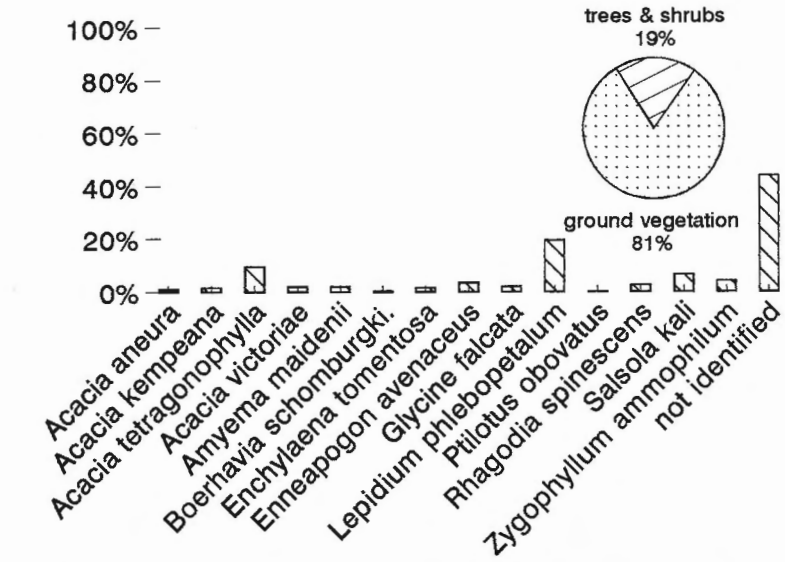


Fig. A3.44: sandplain/dunes, 29.-30.04.88, E4, E5, n=500

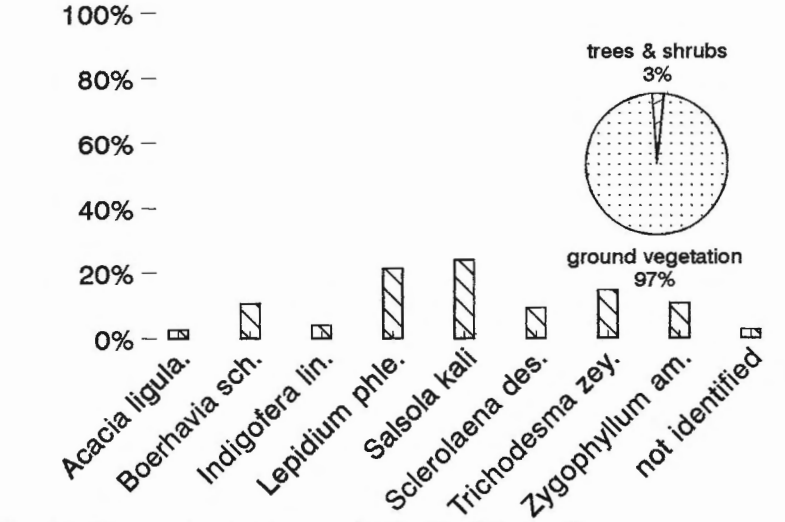


Fig. A3.45: sandplain/dunes, 02.05.88, D3, n=75
Fig. A3.43-45: quantitative food selection from continuous observation

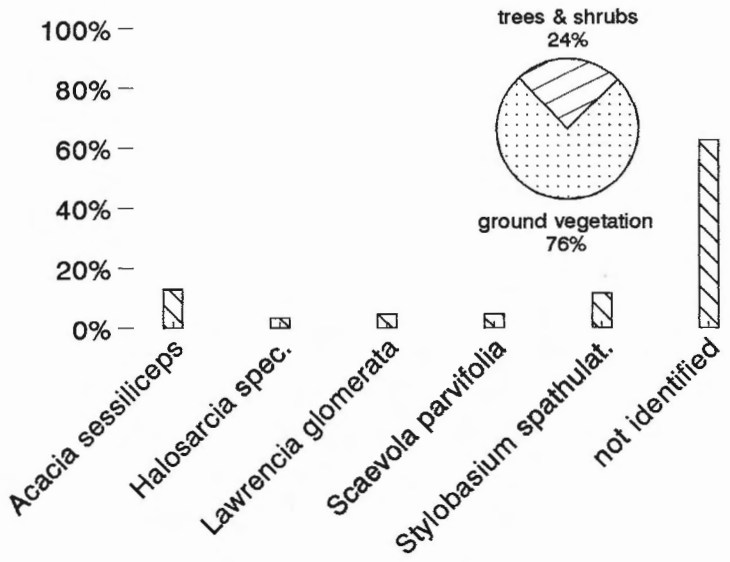


Fig. A3.46: sandplain/dunes, 20.-21.05.88, E4, E5, n=147

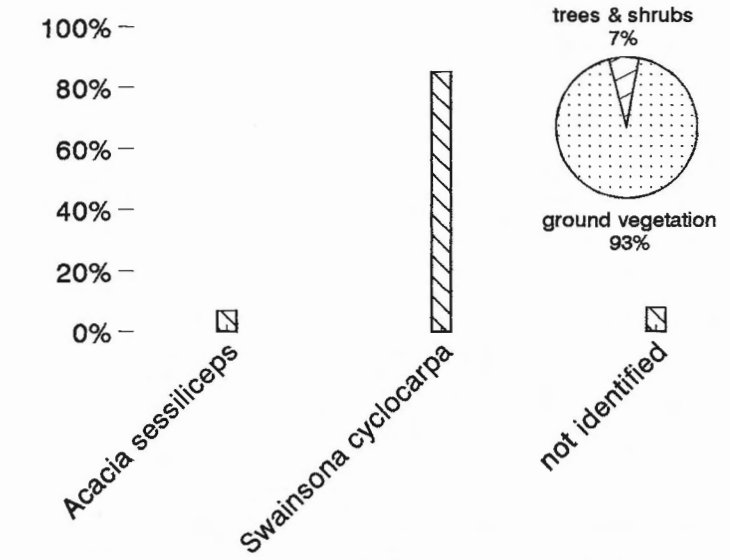


Fig. A3.47: sandplain-saltmarsh, 31.05.88, C20, B20, C16, n=189

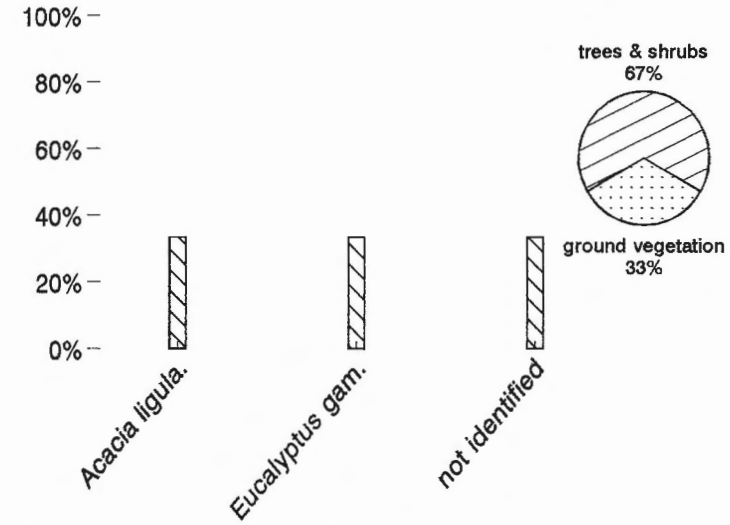


Fig. A3.48: sandplain/dunes, 22.06.88, C2, E3, n=150
Fig. A3.46-48: quantitative food selection from continuous observation

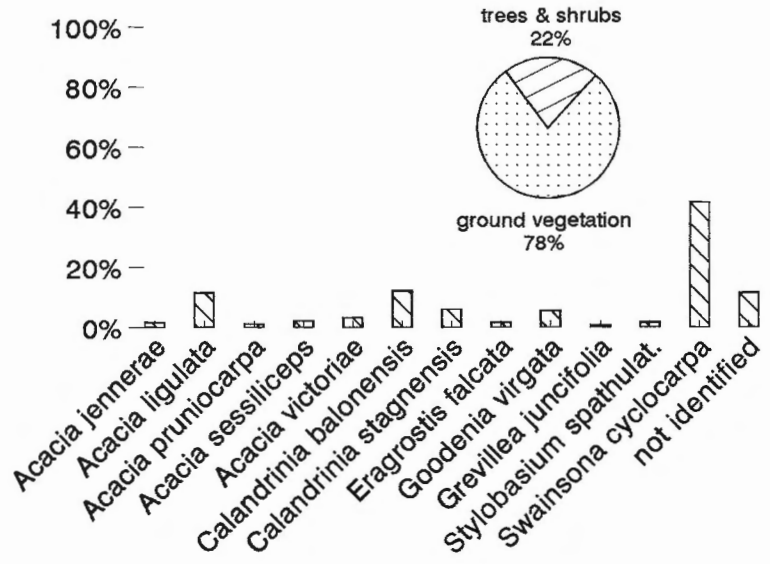


Fig. A3.49: sandplain/dunes, 15.08.88, C21, D21, E21, n=183

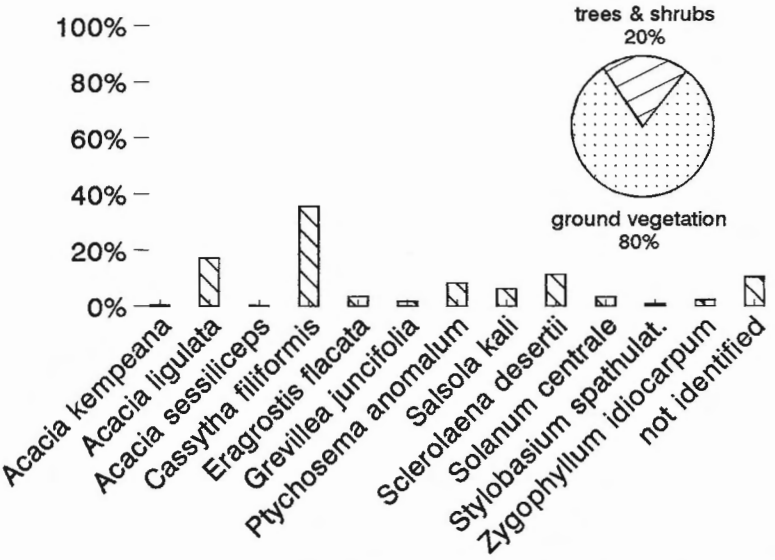


Fig. A3.50: sandplain/dunes, 25.08.88, C12-14, E13-16, n=637

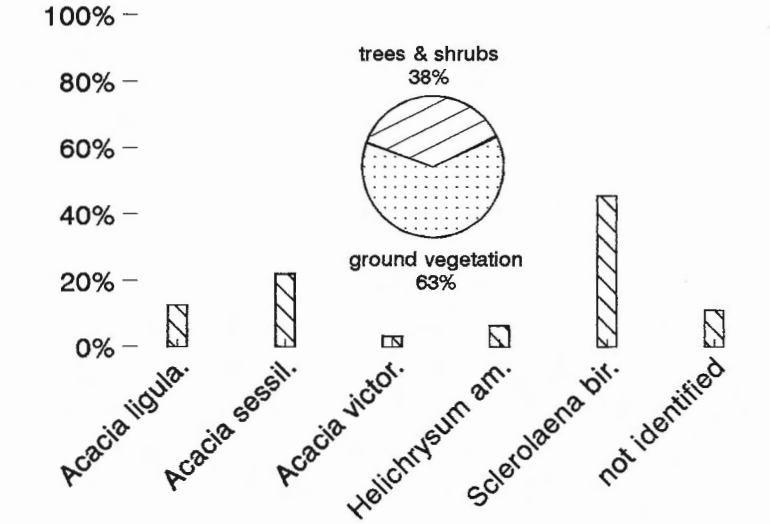


Fig. A3.51: sandplain/dunes, 24.10.88, E9, D8, n=64
Fig. A3.49-51: quantitative food selection from continuous observation

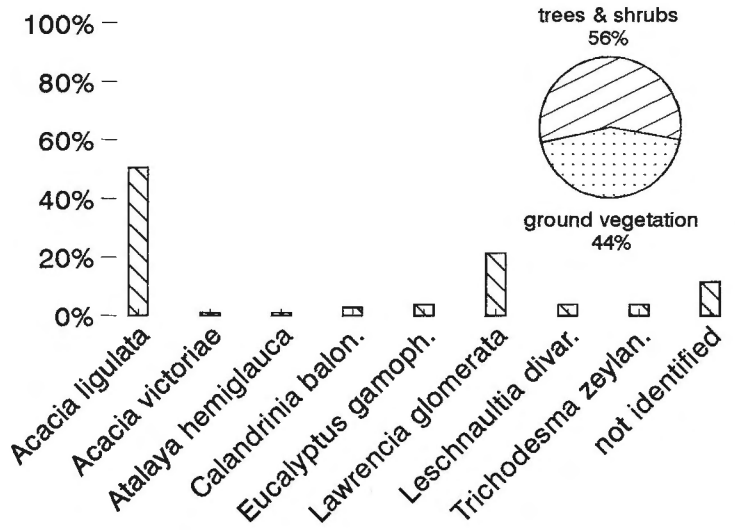


Fig. A3.52: sandplain/dunes, 17.11.88, C2, n=103
Fig. A3.52: quantitative food selection from continuous observation

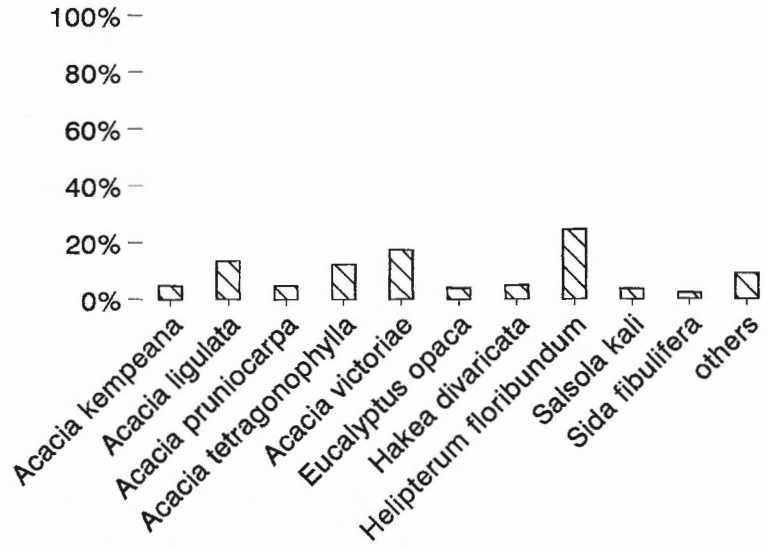


Fig. A4.1: main food plants in November 1986

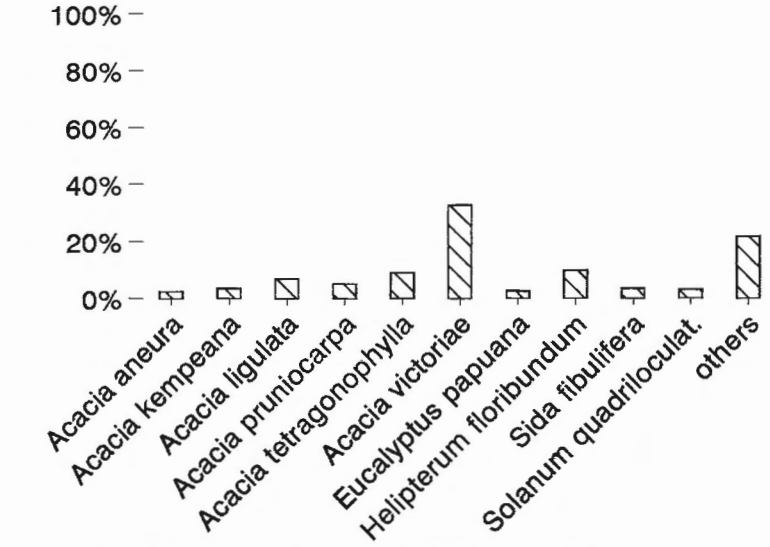


Fig. A4.2: main food plants in December 1986

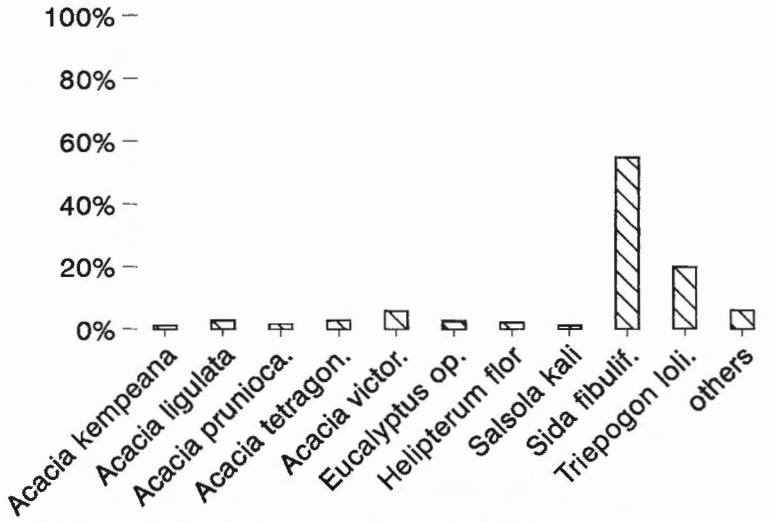


Fig. A4.3: main food plants in January 1987
Fig. A4.1-3: main food plants from Nov. 1986 to Jan. 1987

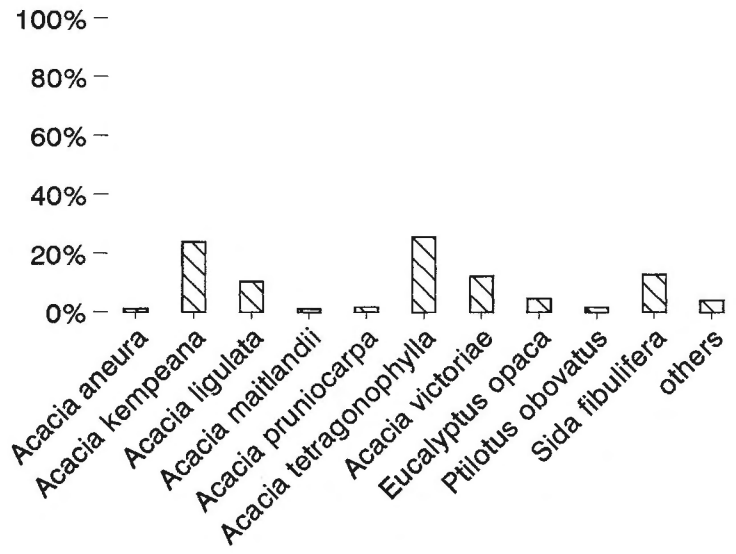


Fig. A4.4: main food plants in February 1987

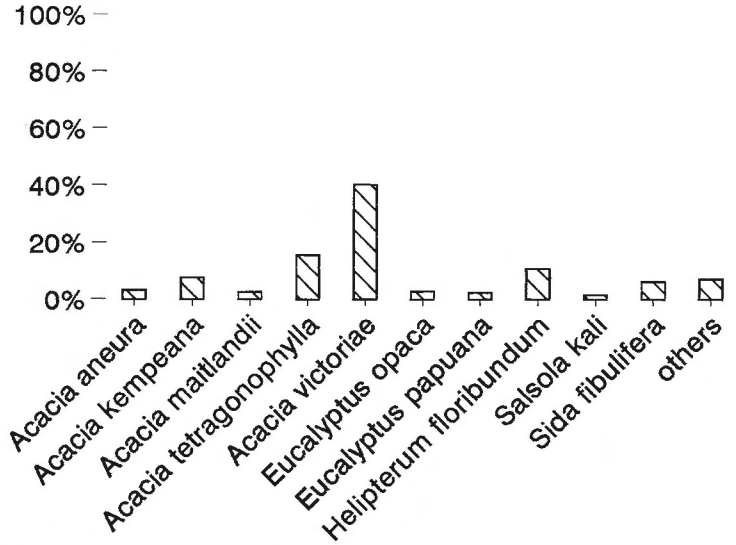


Fig. A4.5: main food plants in March 1987

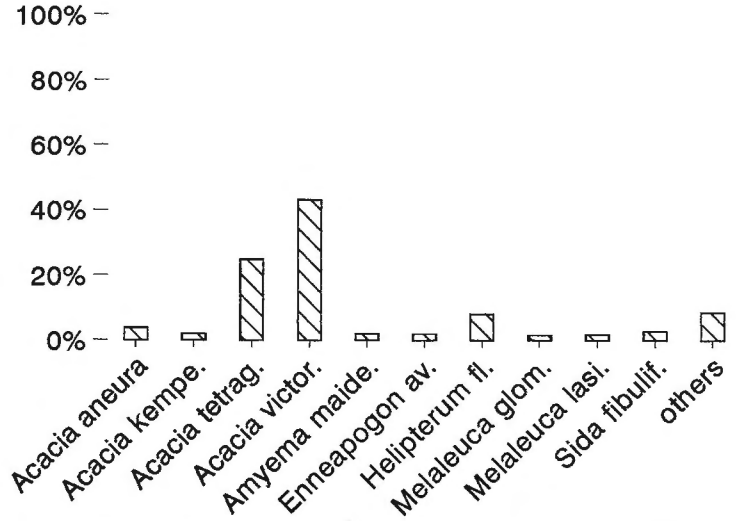


Fig. A4.6: main food plants in April 1987
Fig. A4.4-6: main food plants from February to April 1987

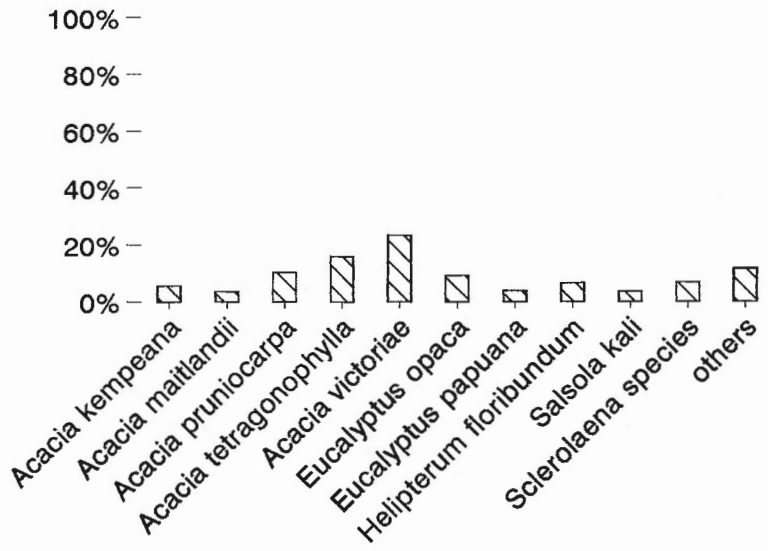


Fig. A4.7: main food plants in May 1987

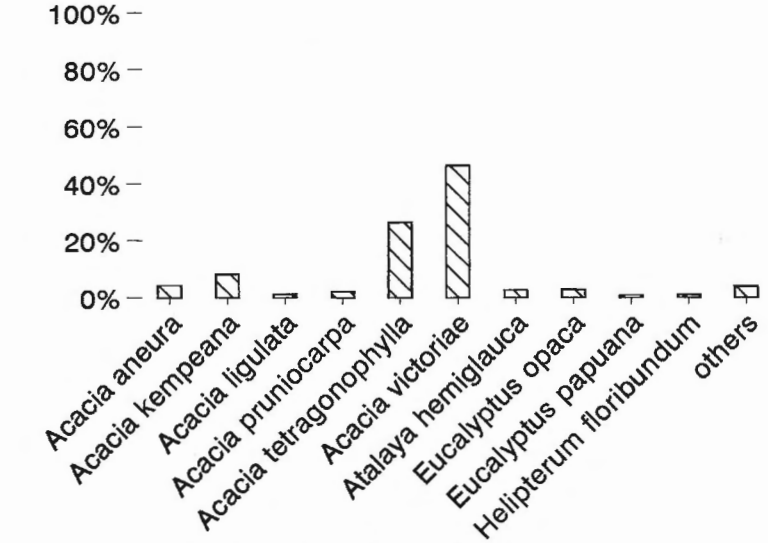


Fig. A4.8: main food plants in June 1987

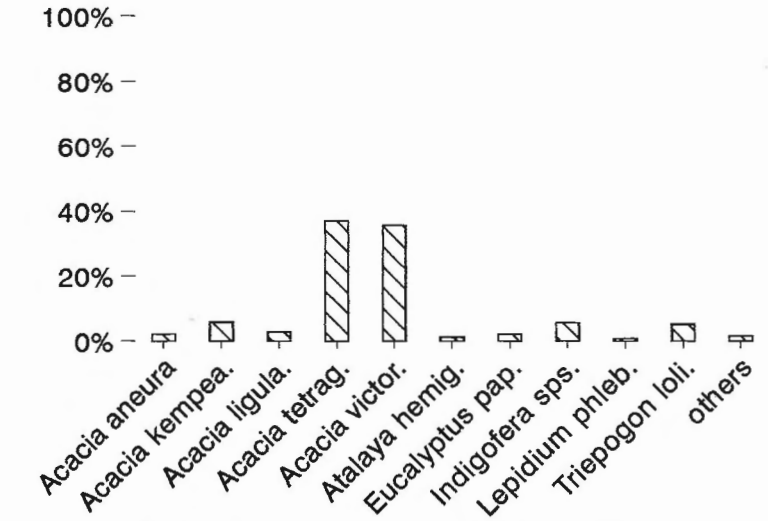


Fig. A4.9: main food plants in July 1987
Fig. A4.7-9: main food plants from May to July 1987

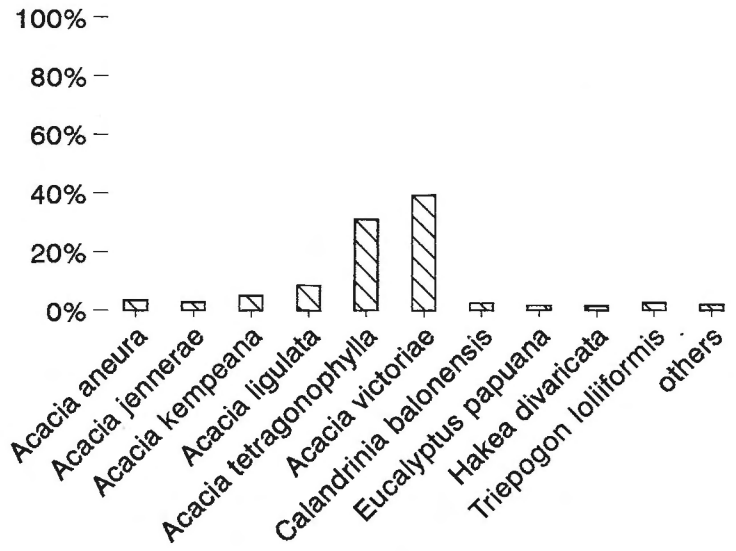


Fig. A4.10: main food plants in August 1987

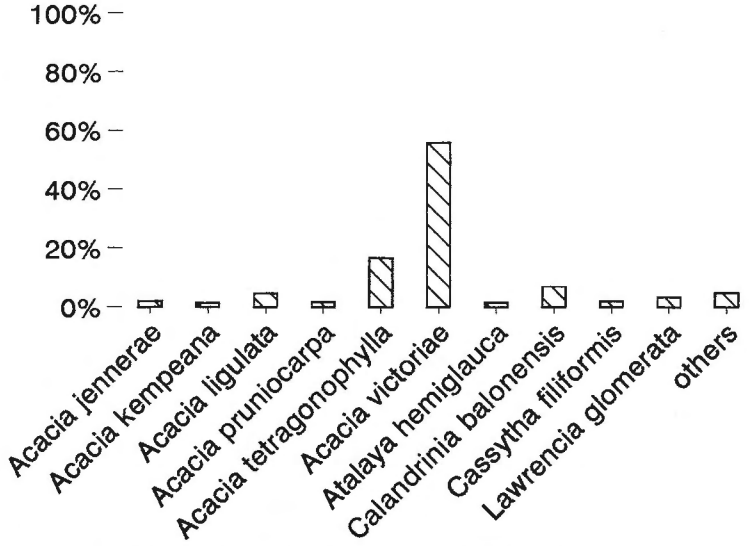


Fig. A4.11: main food plants in September 1987

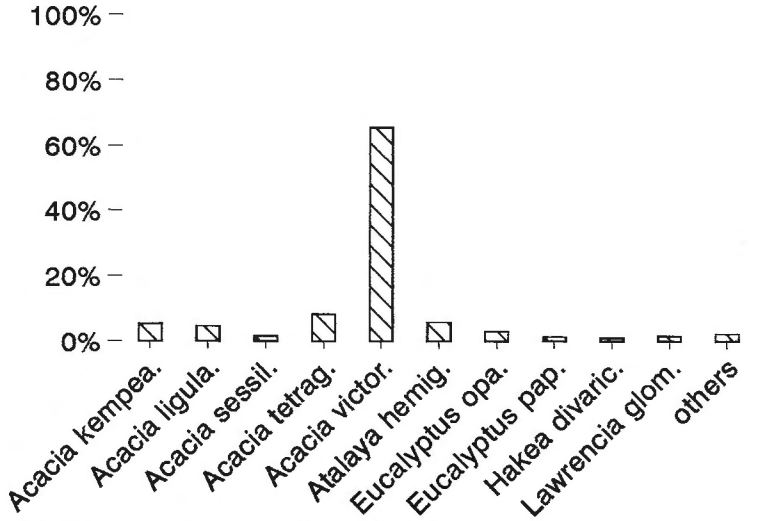


Fig. A4.12: main food plants in October 1987

Fig. A4.10-12: main food plants from August to October 1987

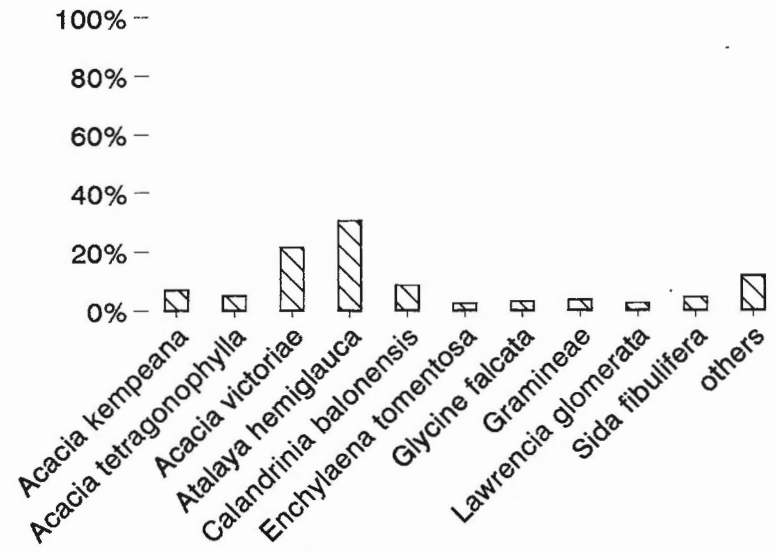


Fig. A4.13: main food plants in November 1987

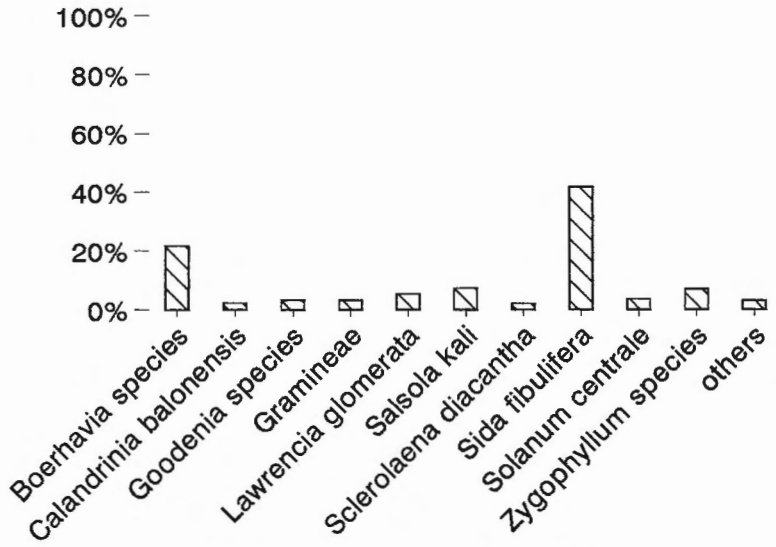


Fig. A4.14: main food plants in December 1987

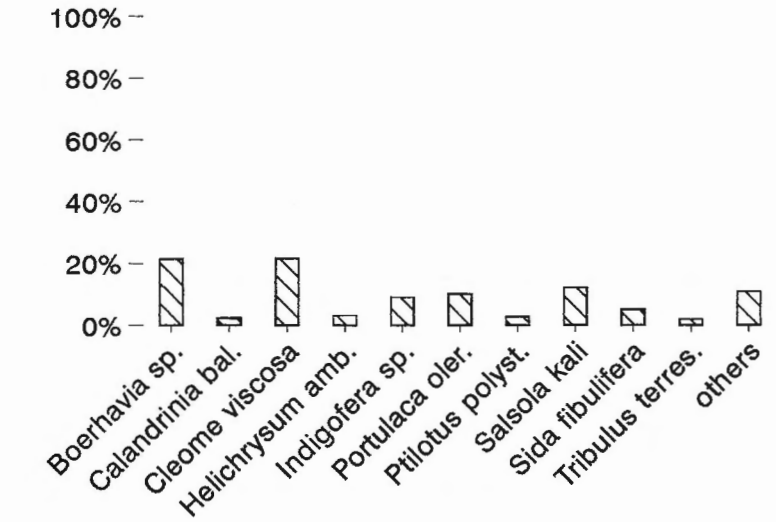


Fig. A4.15: main food plants in January 1988
Fig. A4.13-15: main food plants from Nov. 1987 to Jan. 1988

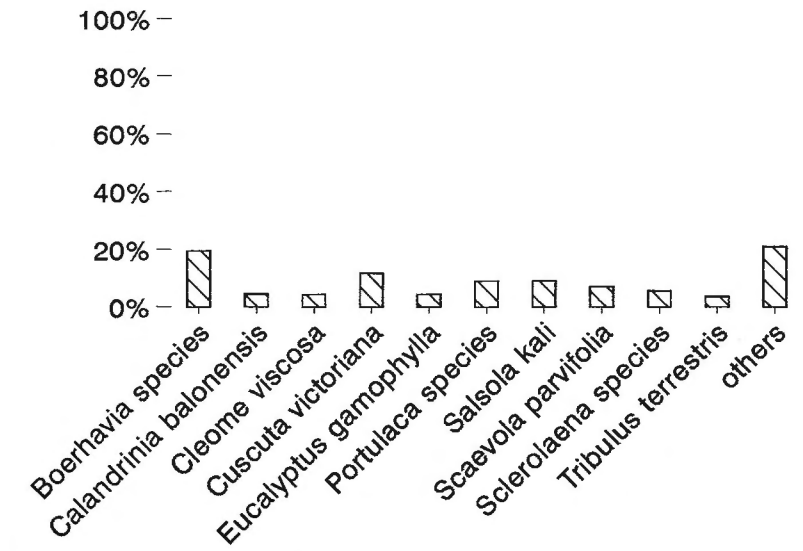


Fig. A4.16: main food plants in February 1988

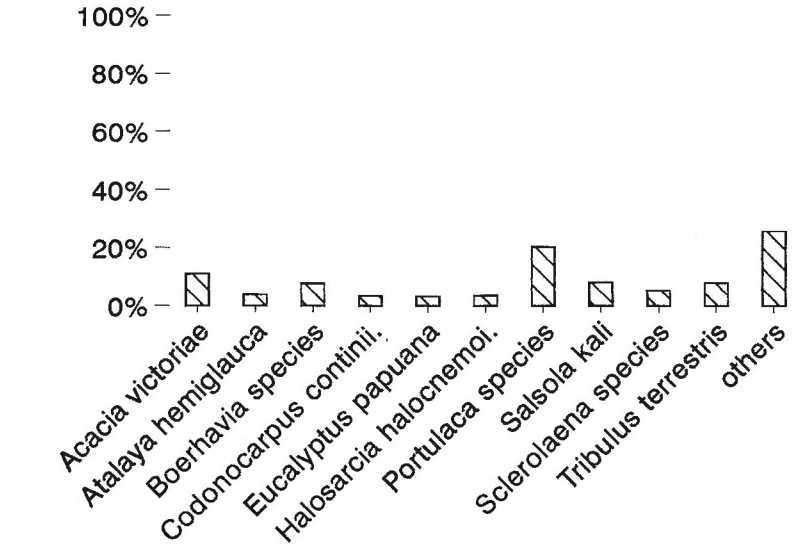


Fig. A4.17: main food plants in March 1988

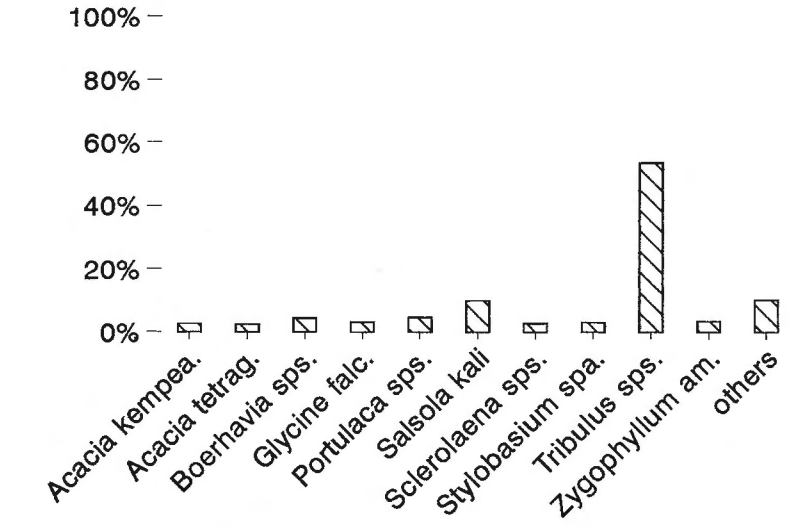


Fig. A4.18: main food plants in April 1988
Fig. A4.16-18: main food plants from February to April 1988

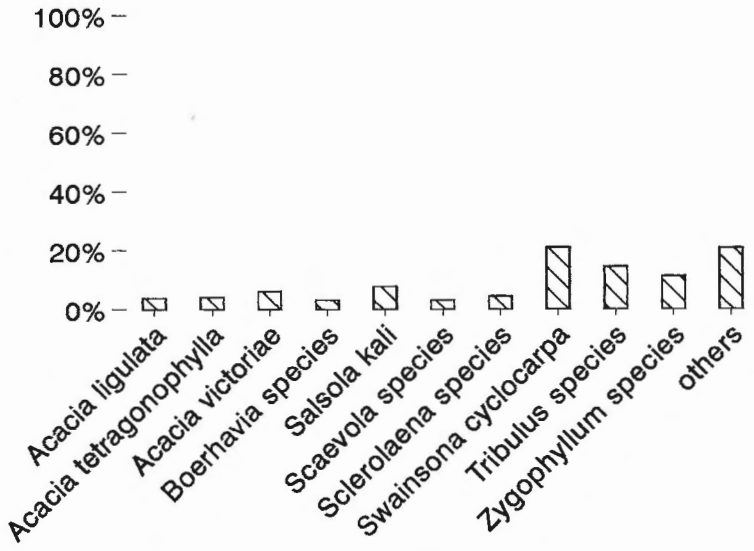


Fig. A4.19: main food plants in May 1988

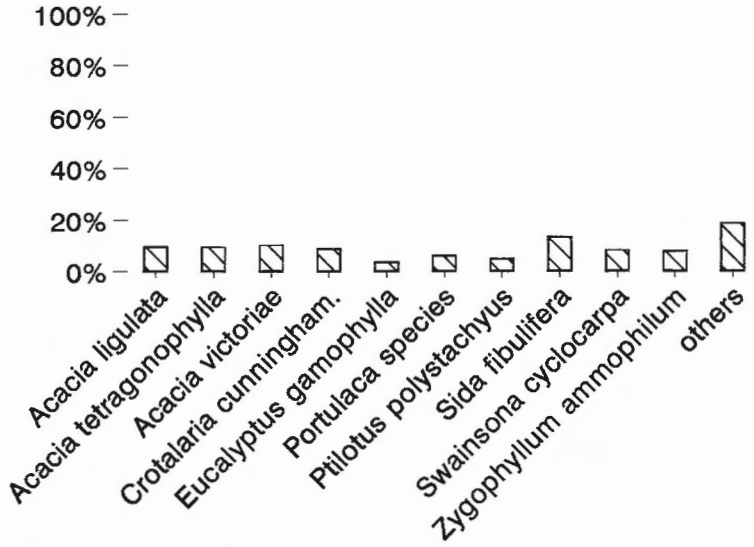


Fig. A4.20: main food plants in June 1988

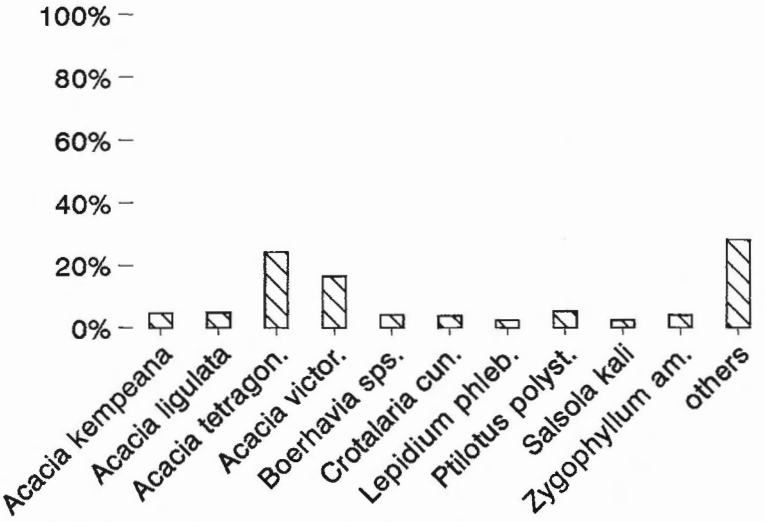


Fig. A4.21: main food plants in July 1988
Fig. A4.19-21: main food plants from May to July 1988

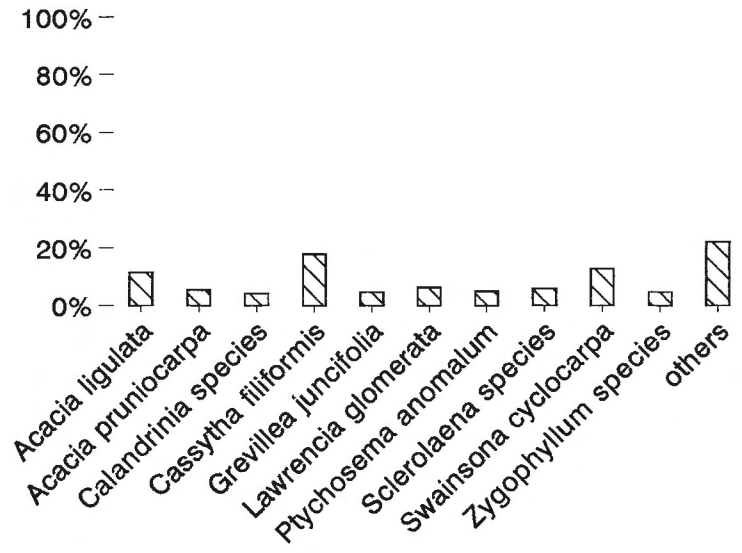


Fig. A4.22: main food plants in August 1988

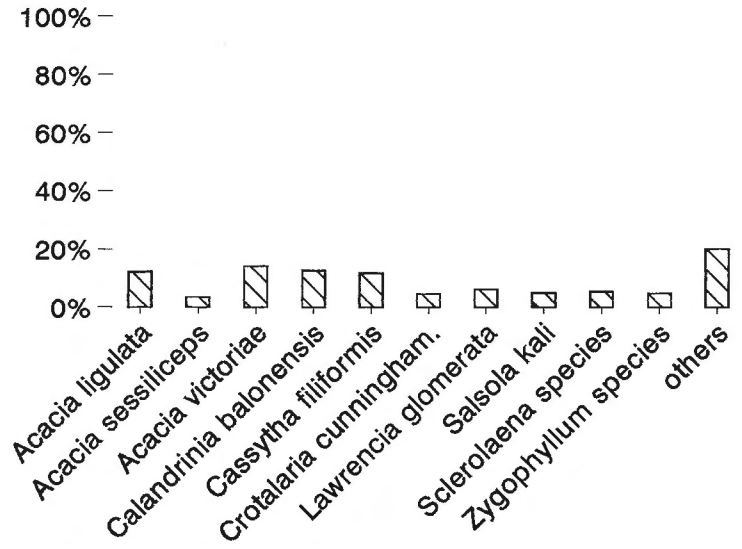


Fig. A4.23: main food plants in September 1988

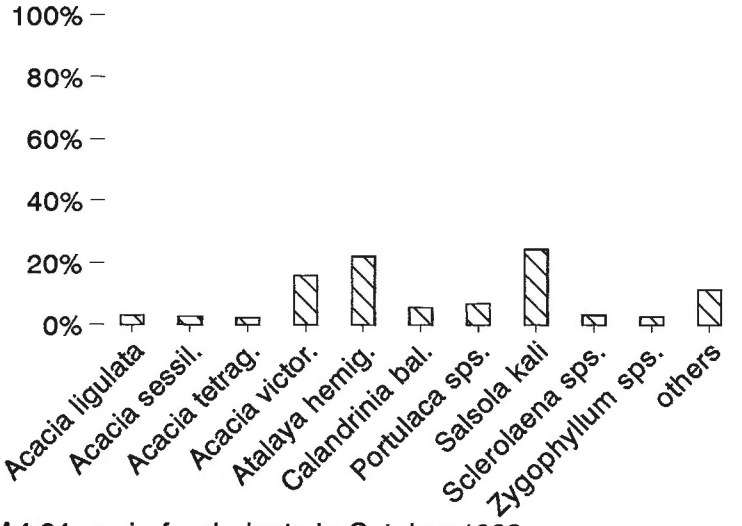


Fig. A4.24: main food plants in October 1988
Fig. A4.22-24: main food plants from August to October 1988

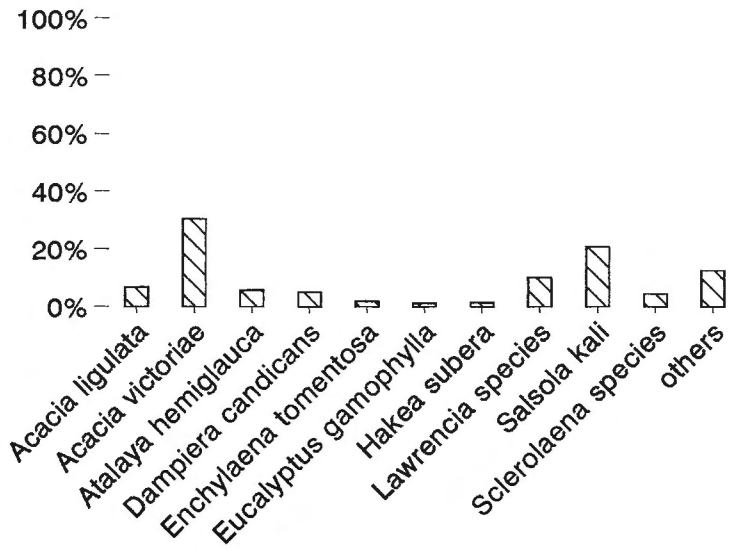


Fig. A4.25: main food plants in November 1988

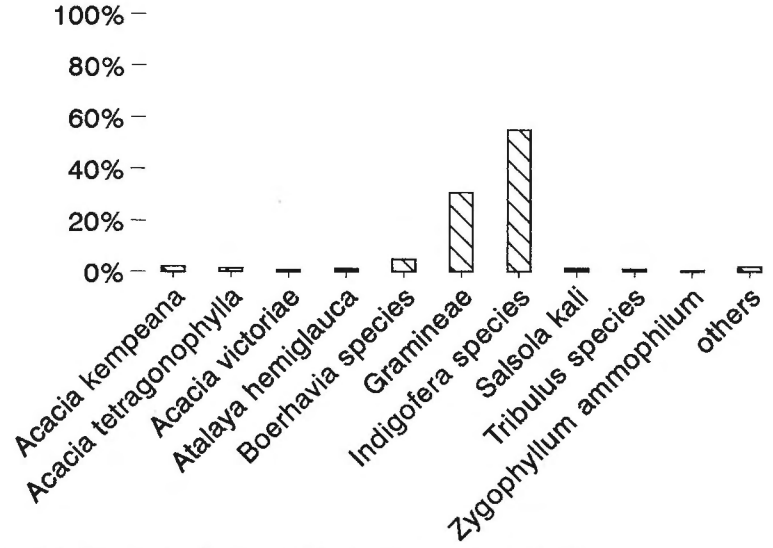


Fig. A4.26: main food plants in December 1988

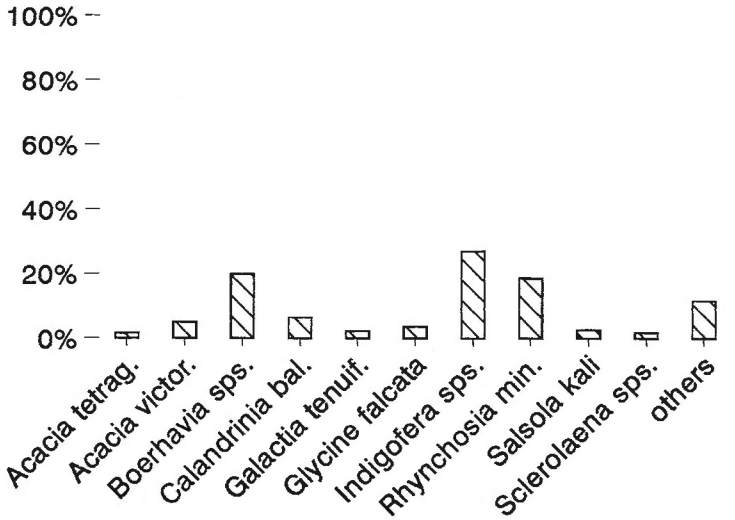


Fig. A4.27: main food plants in January 1989
Fig. A4.25-27: main food plants from Nov. 1988 to Jan. 1989

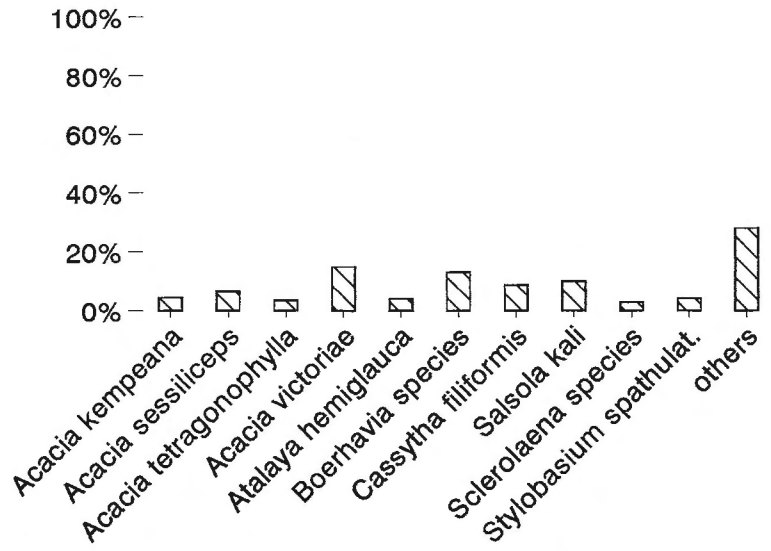


Fig. A4.28: main food plants in February 1989

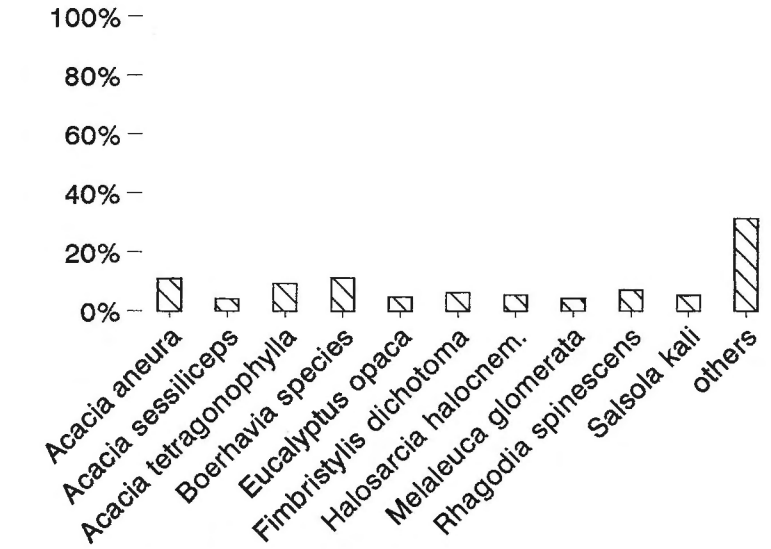


Fig. A4.29: main food plants in March 1989

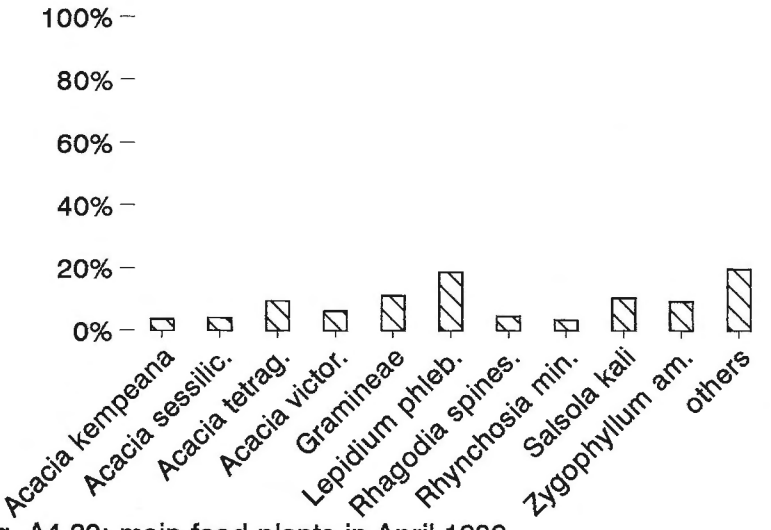


Fig. A4.30: main food plants in April 1989
Fig. A4.28-30: main food plants from February to April 1989

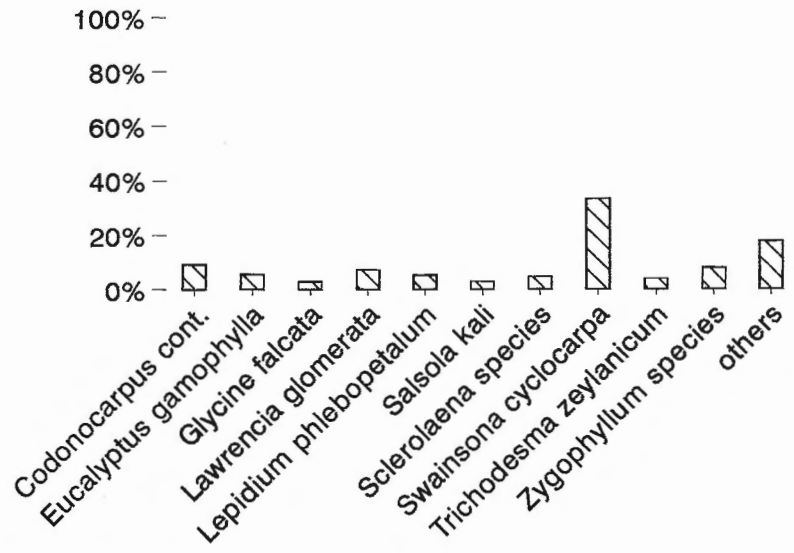


Fig. A4.31: main food plants in May 1989

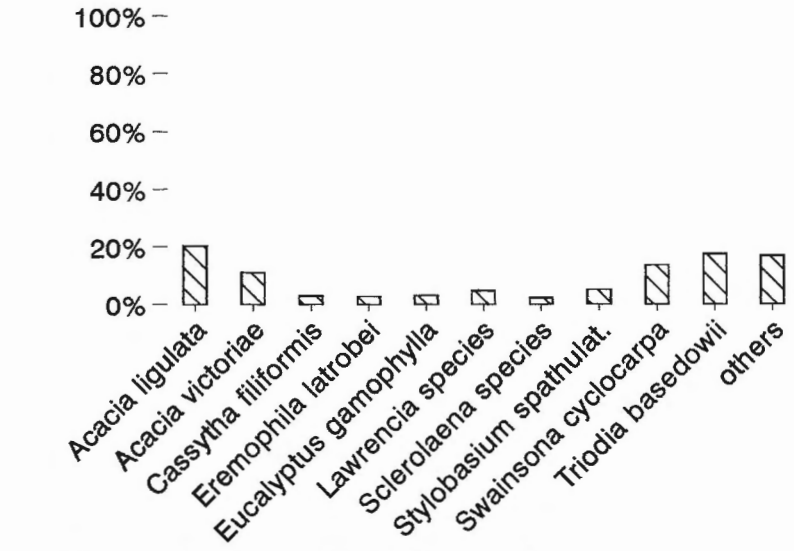


Fig. A4.32: main food plants in June 1989

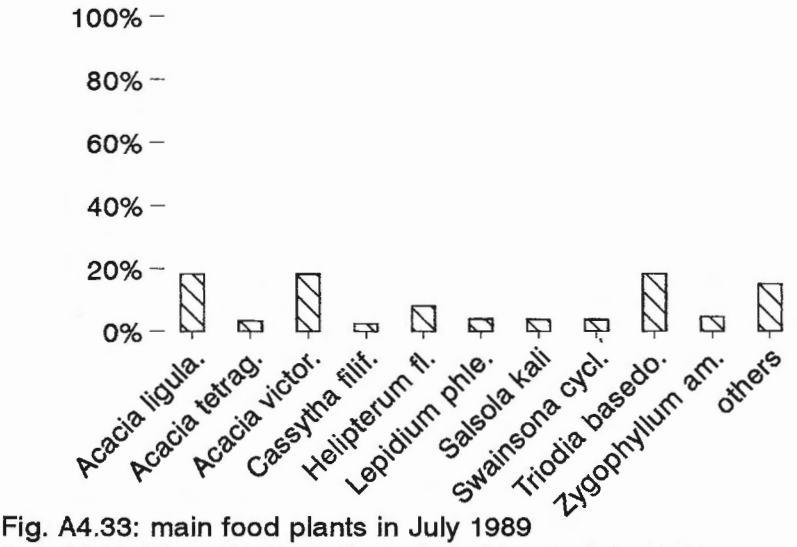


Fig. A4.33: main food plants in July 1989
Fig. A4.31-33: main food plants from May to July 1989

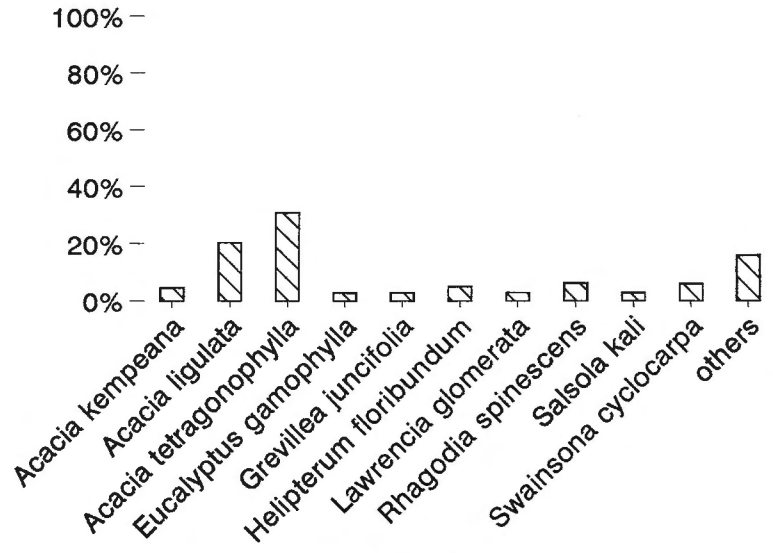


Fig. A4.34: main food plants in August 1989

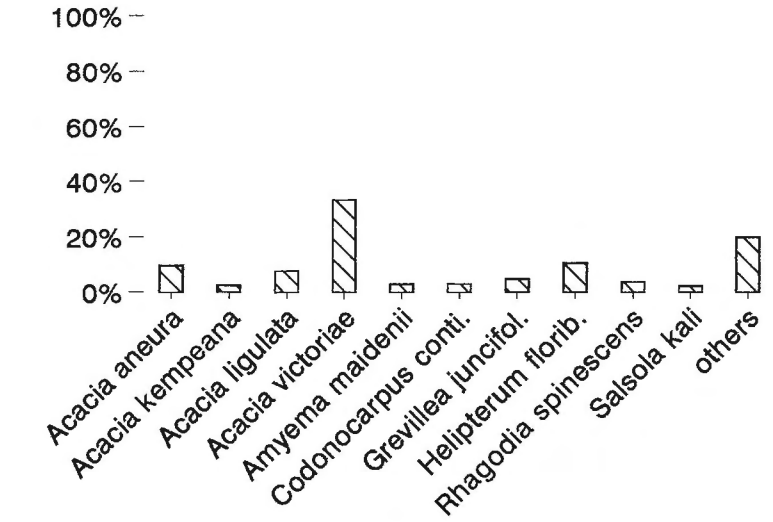


Fig. A4.35: main food plants in September 1989
Fig. A4.34-35: main food plants from Aug. to Sept. 1989

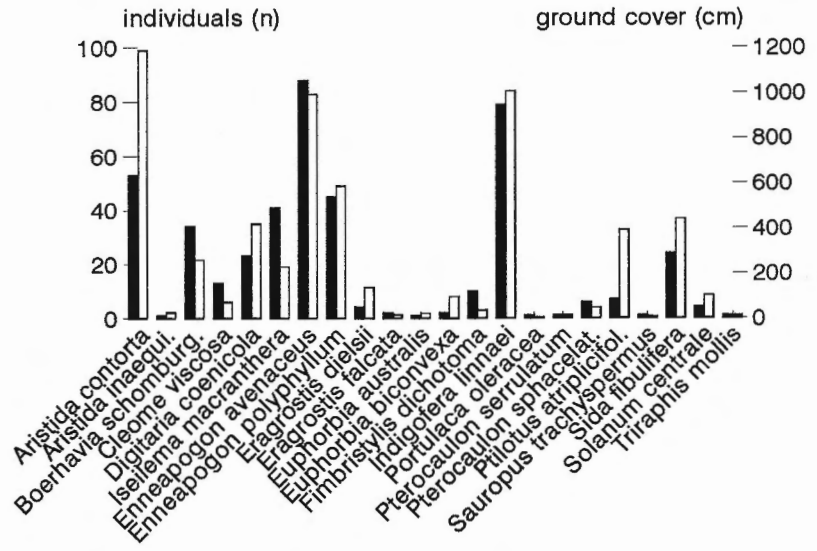


Fig. A5.1a: 11.01.89, total ground cover: 61%

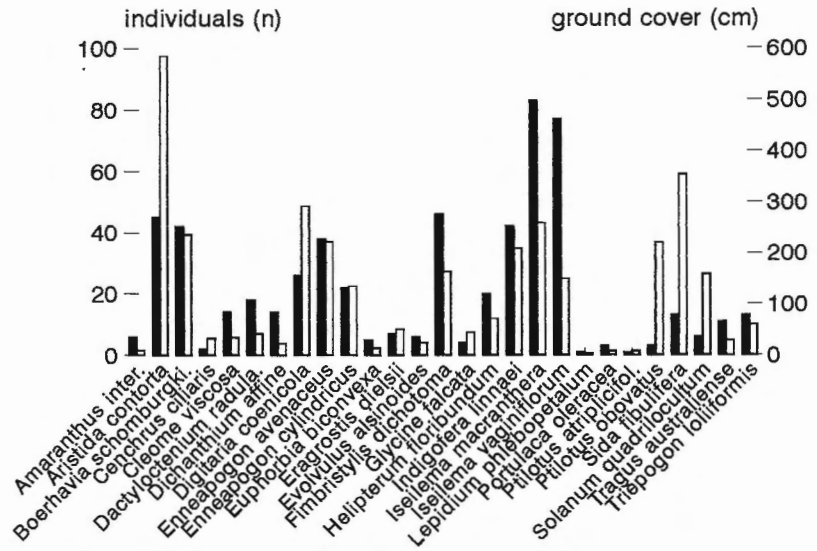


Fig. A5.1b: 01.05.89, total ground cover: 34,4%

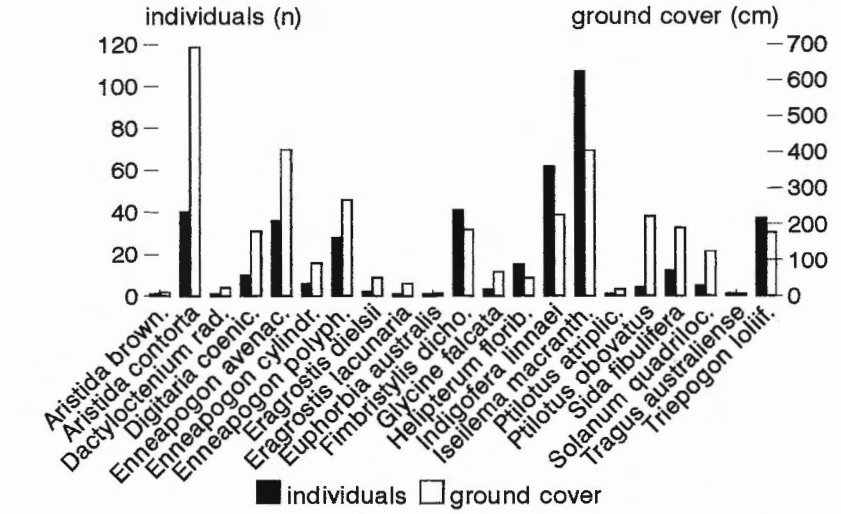


Fig. A5.1c: bushland, H12, 01.09.89, total ground cover: 34,3%
Fig. A5.1a-c: analysis of ground-vegetation from permanent transect 1

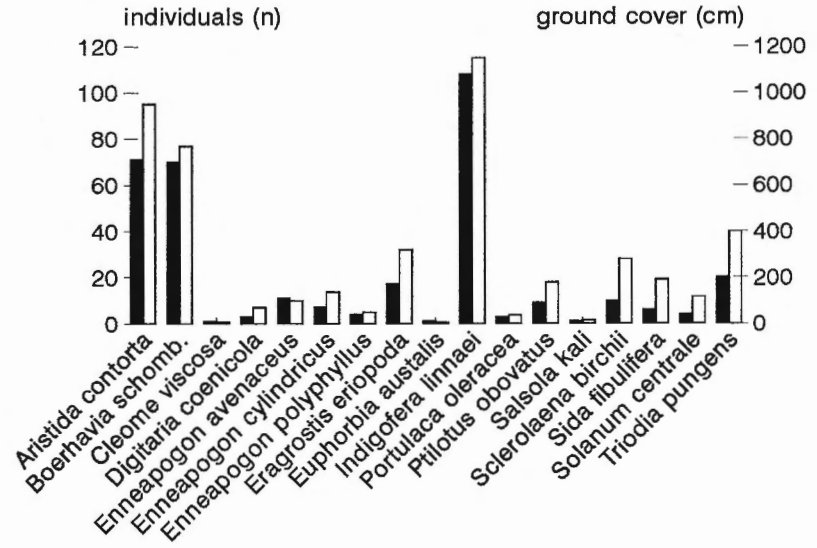


Fig. A5.2a: 12.01.89, total ground cover: 47,7%

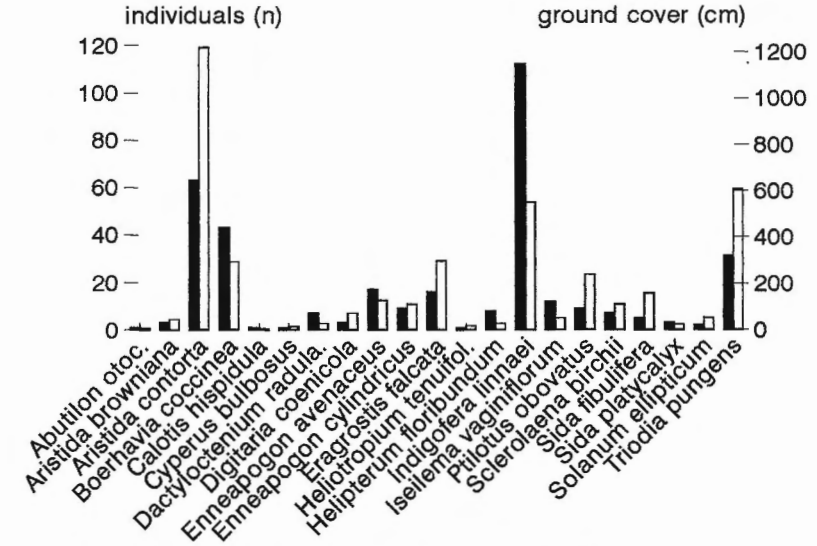


Fig. A5.2b: 28.04.89, total ground cover: 40,6%

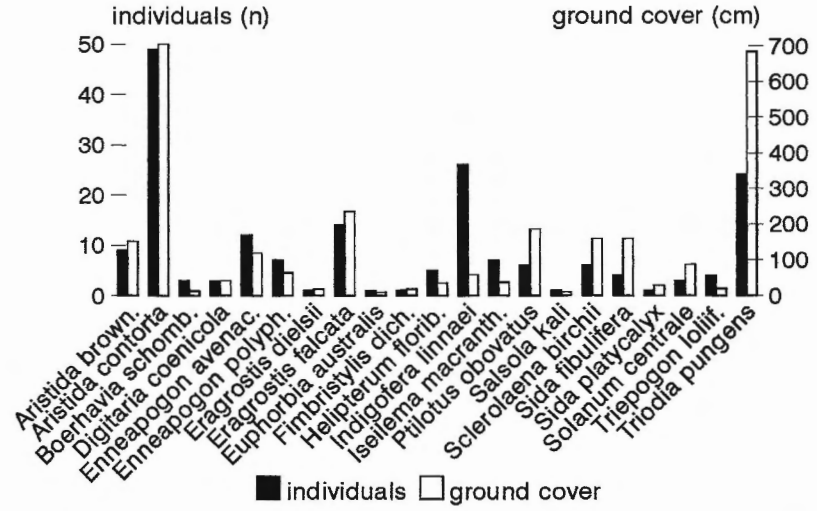


Fig. A5.2c: bushland, G3, 31.08.89, total ground cover: 28,5%
Fig. A5.2a-c: analysis of ground-vegetation from permanent transect 2

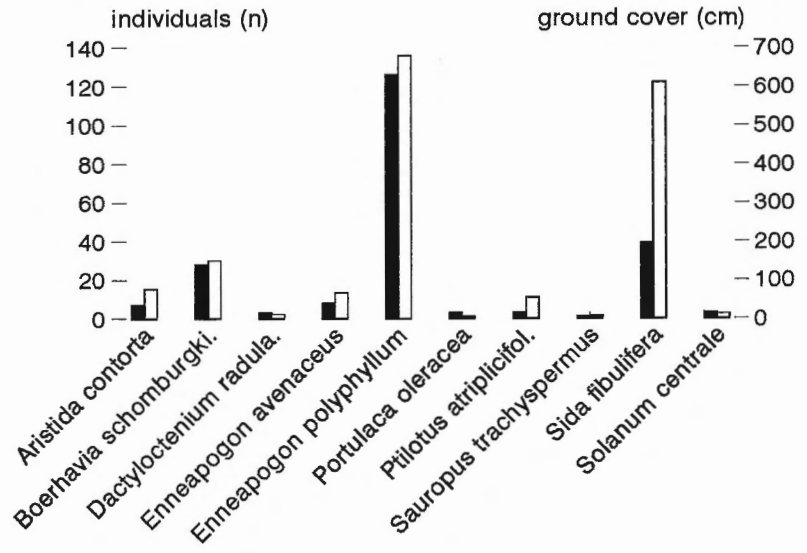


Fig. A5.3a: 13.01.89, total ground cover: 16,7%

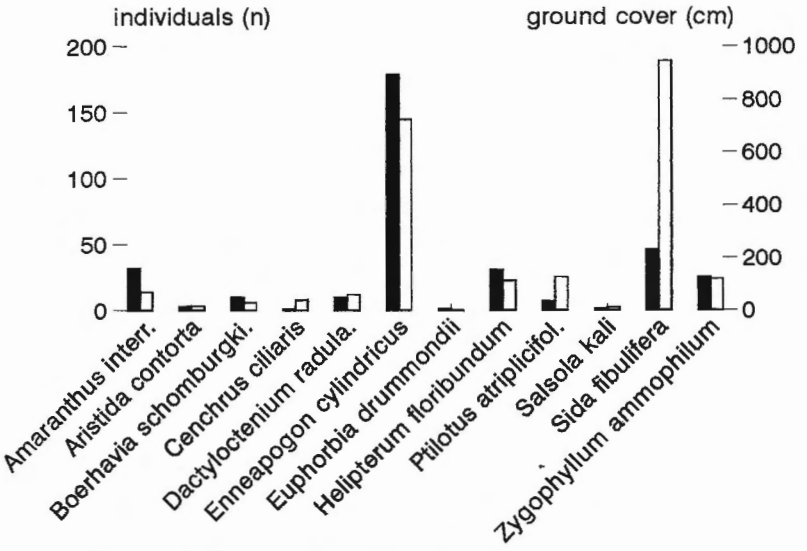


Fig. A5.3b: 28.04.89, total ground cover: 22,5%

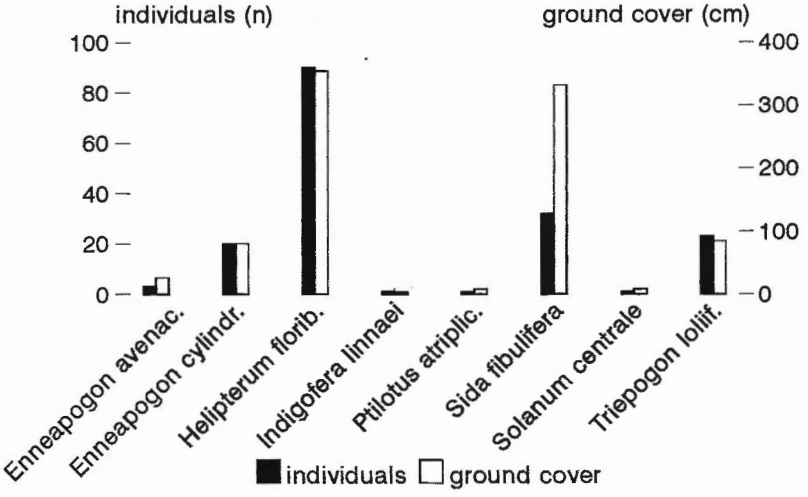


Fig. A5.3c: bushland, G3, 01.09.89, total ground cover: 9%
Fig. A5.3a-c: analysis of ground-vegetation from permanent transect 3

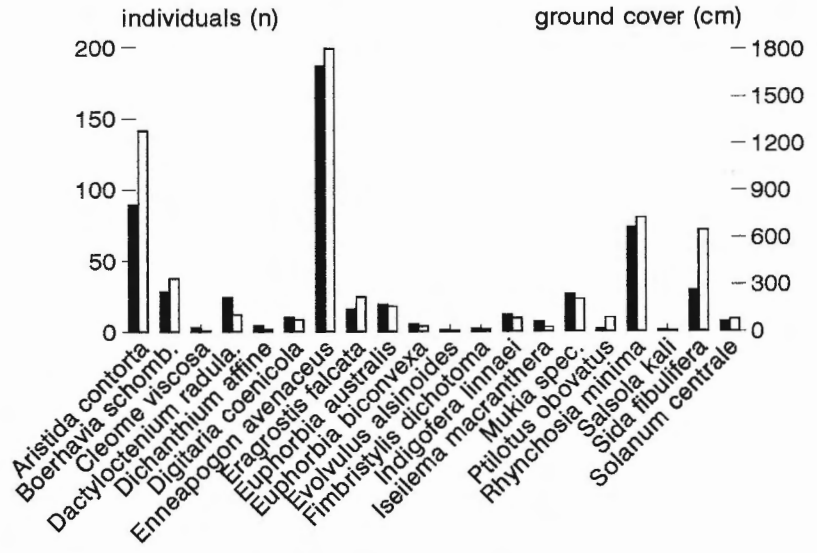


Fig. A5.4a: 10.01.89, total ground cover: 59,4%

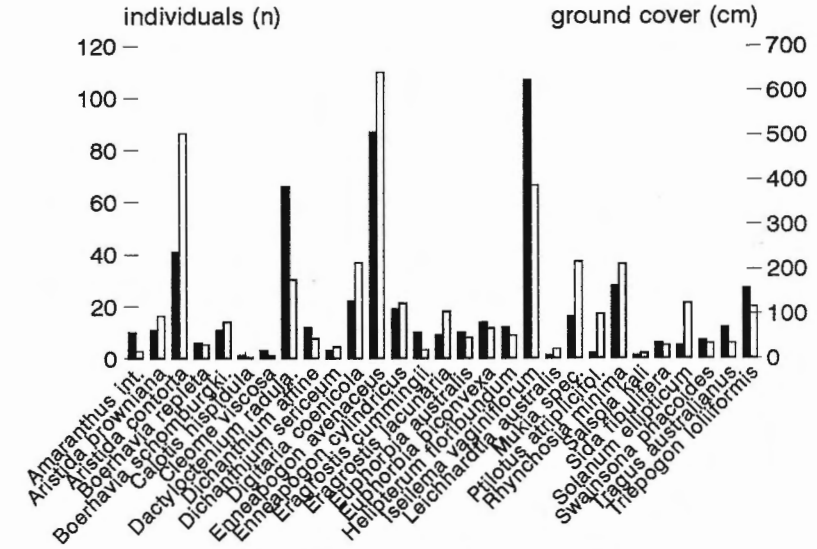


Fig. A5.4b: 01.05.89, total ground cover: 35,4%

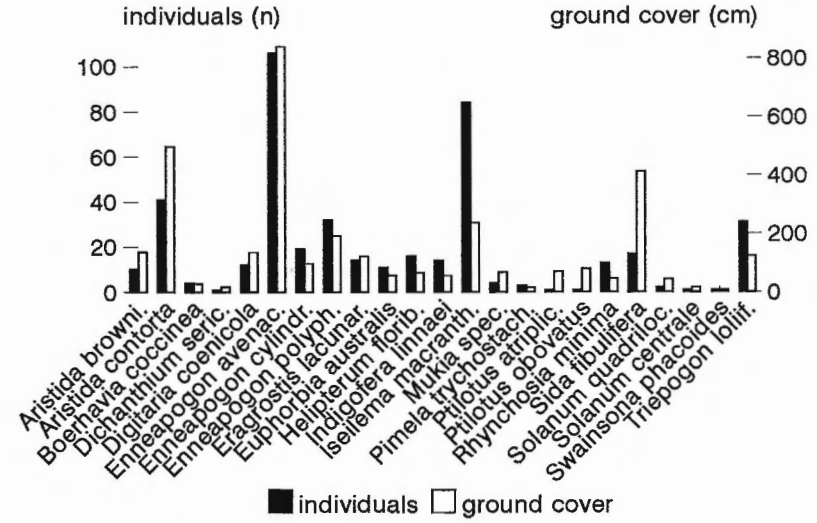


Fig. A5.4c: open plain, G19, 01.09.89, total ground cover: 33,7%
Fig. A5.4a-c: analysis of ground-vegetation from permanent transect 4

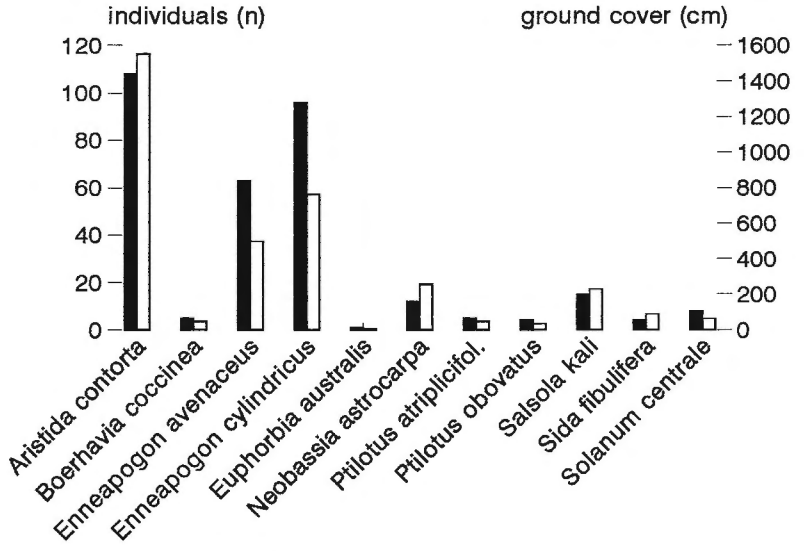


Fig. A5.5a: 11.01.89, total ground cover: 35,8%

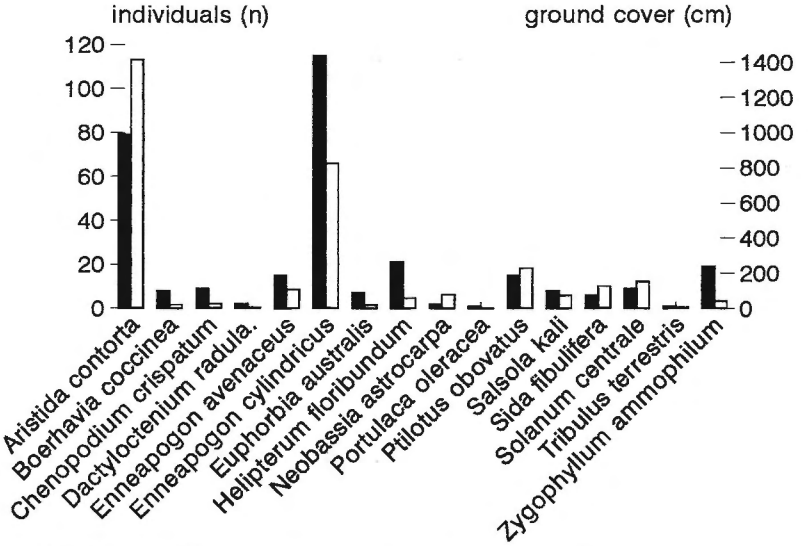


Fig. A5.5b: 29.04.89, total ground cover: 31,8%

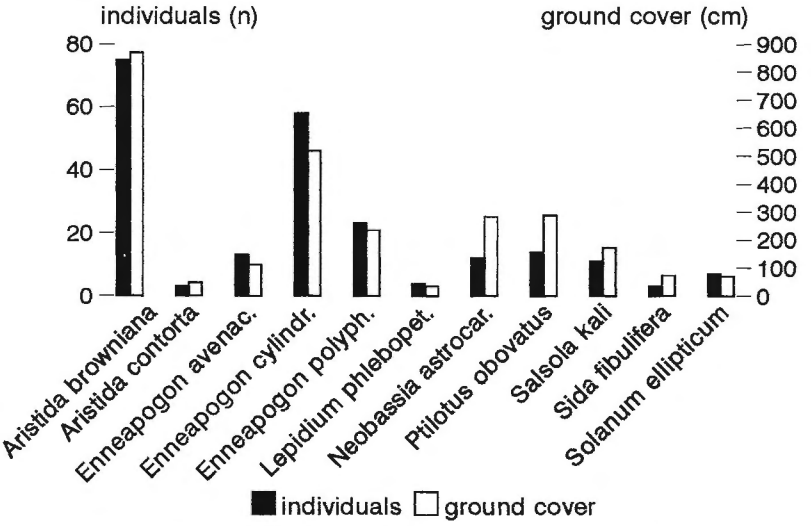


Fig. A5.5c: open plain, F5, 31.08.89, total ground cover: 27%
Fig. A5.5a-c: analysis of ground-vegetation from permanent transect 5

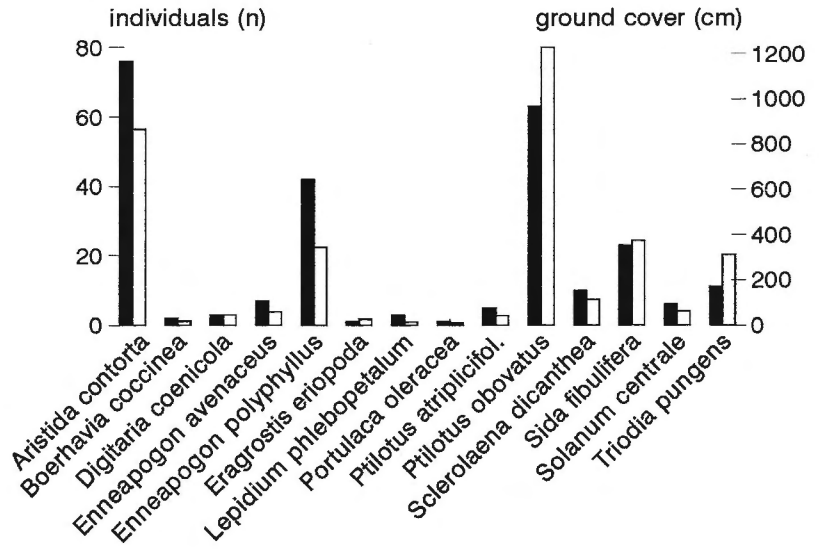


Fig. A5.6a: 12.01.89, total ground cover: 35,1%

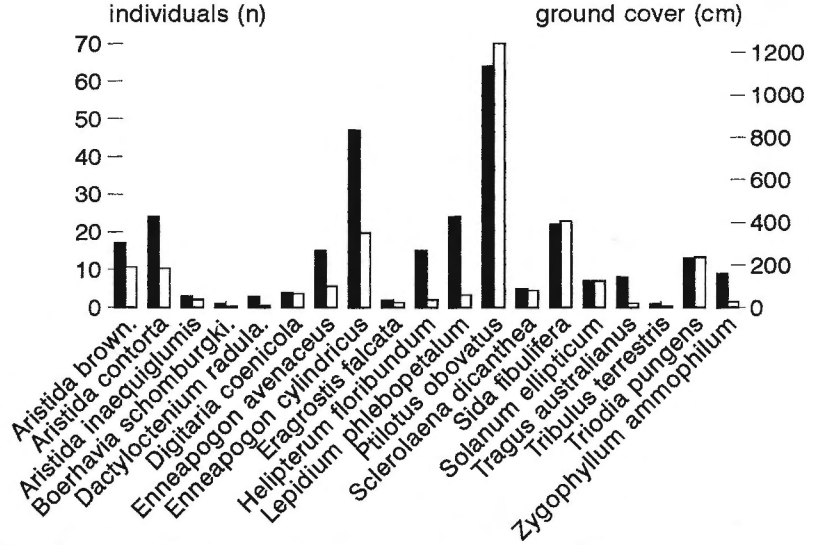


Fig. A5.6b: 29.04.89, total ground cover: 32,1%

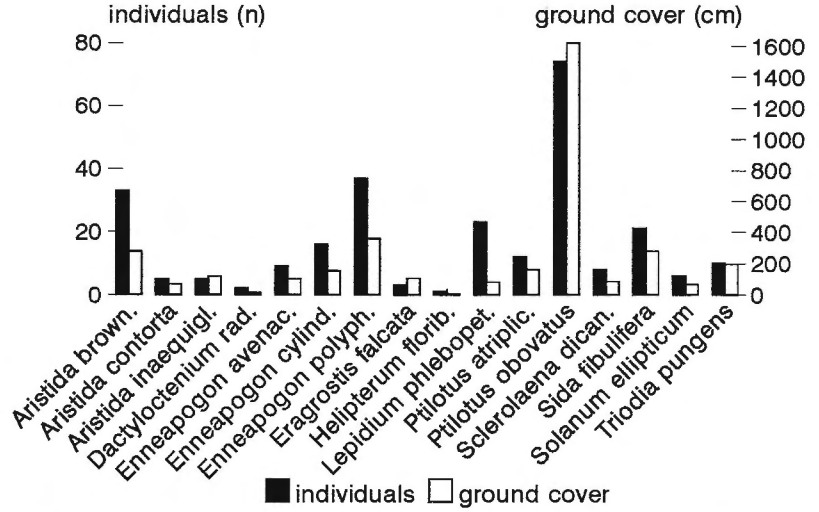


Fig. A5.6c: open plain, G7, 31.08.89, total ground cover: 36,9%
Fig. A5.6a-c: analysis of ground-vegetation from permanent transect 6

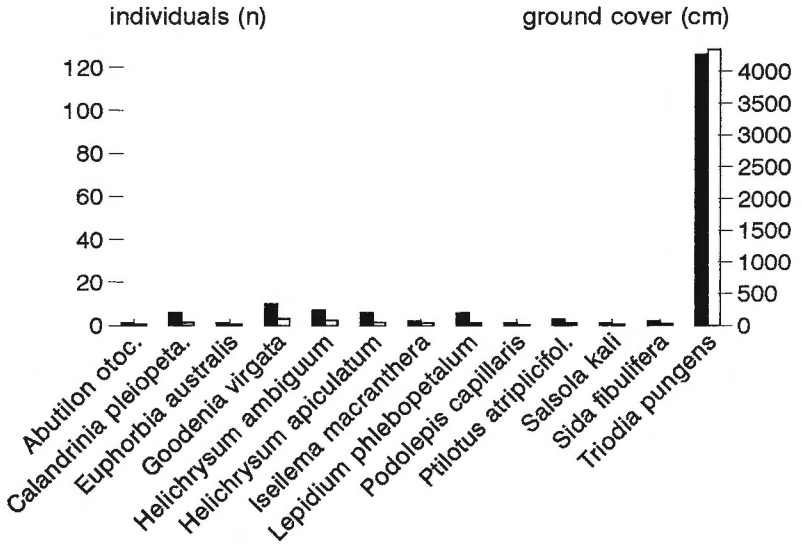


Fig. A5.7a: 10.01.89, total ground cover: 48,4%

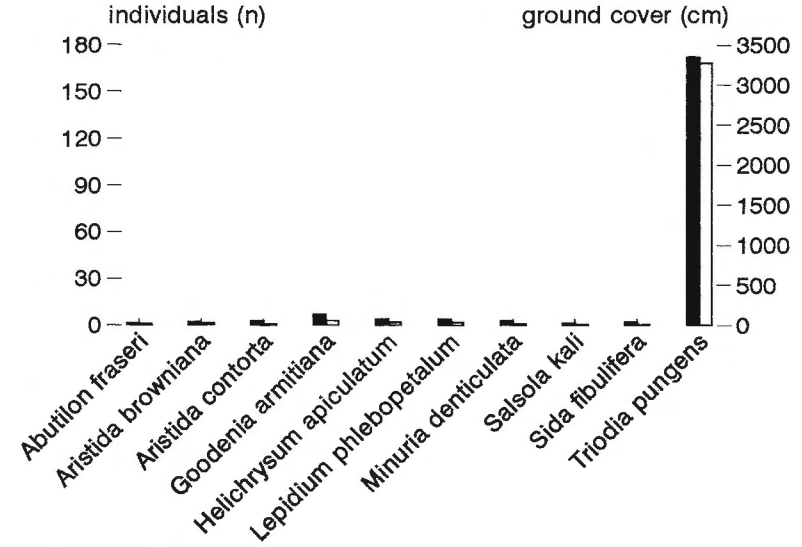


Fig. A5.7b: 28.04.89, total ground cover: 34,9%

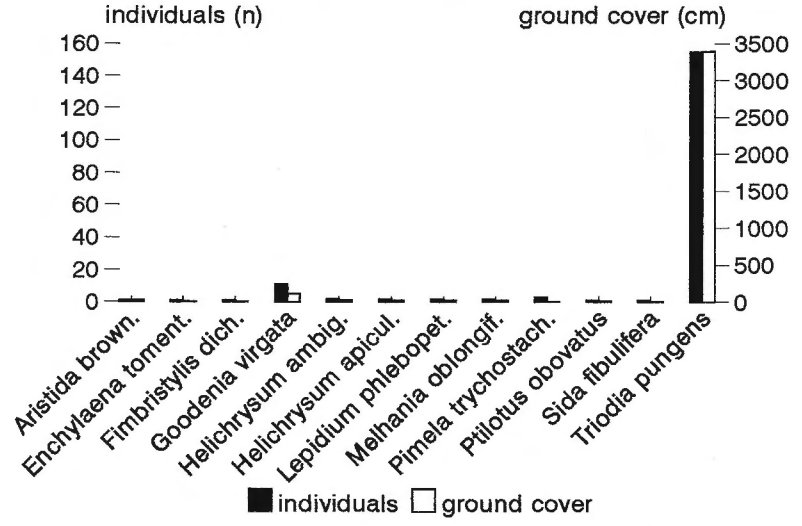


Fig. A5.7c: sandplain/dunes, E3, 31.08.89, total ground cover: 36,3%
Fig. A5.7a-c: analysis of ground-vegetation from permanent transect 7

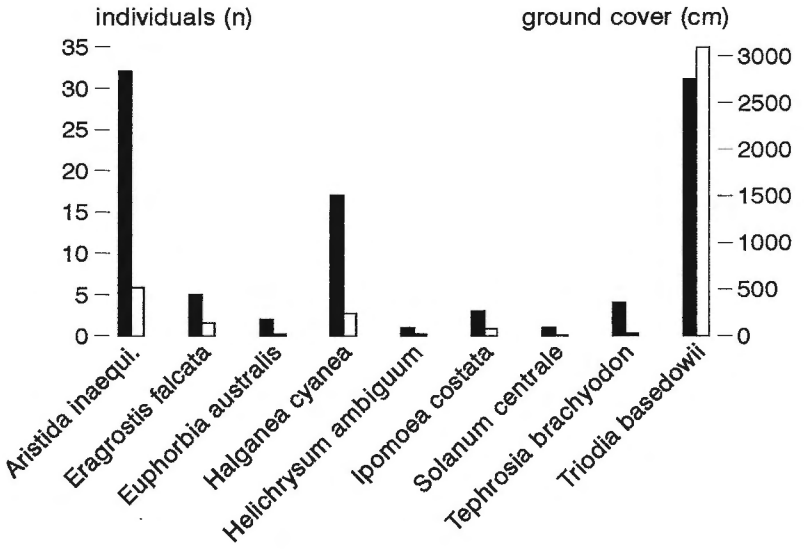


Fig. A5.8a: 12.01.89, total ground cover: 41,2%

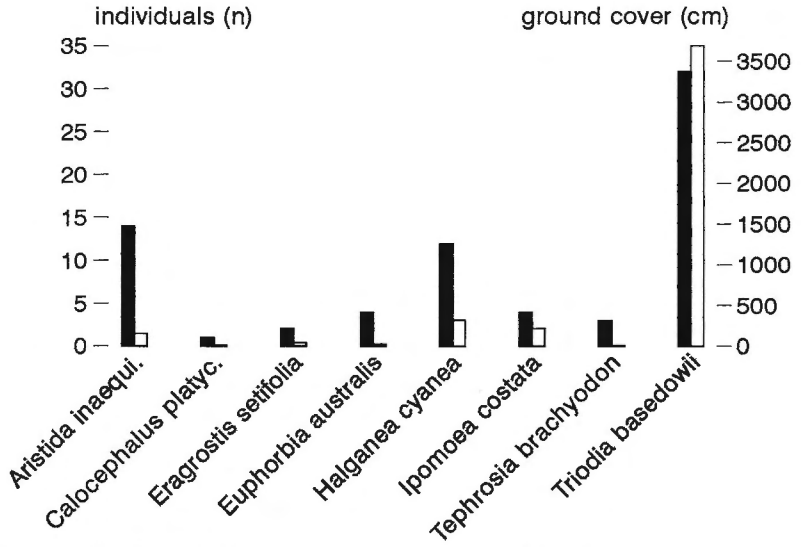


Fig. A5.8b: 28.04.89, total ground cover: 44,6%

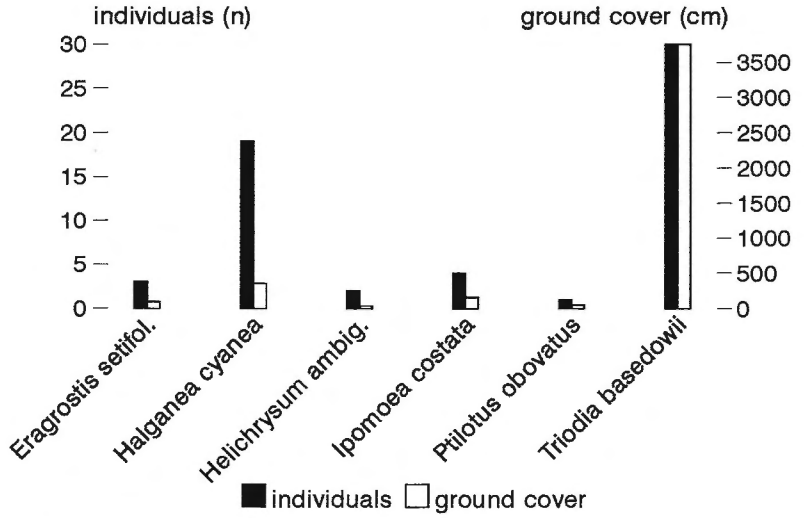


Fig. A5.8c: sandplain/dunes, M7, 01.09.89, total ground cover: 44,4%
Fig. A5.8a-c: analysis of ground-vegetation from permanent transect 8

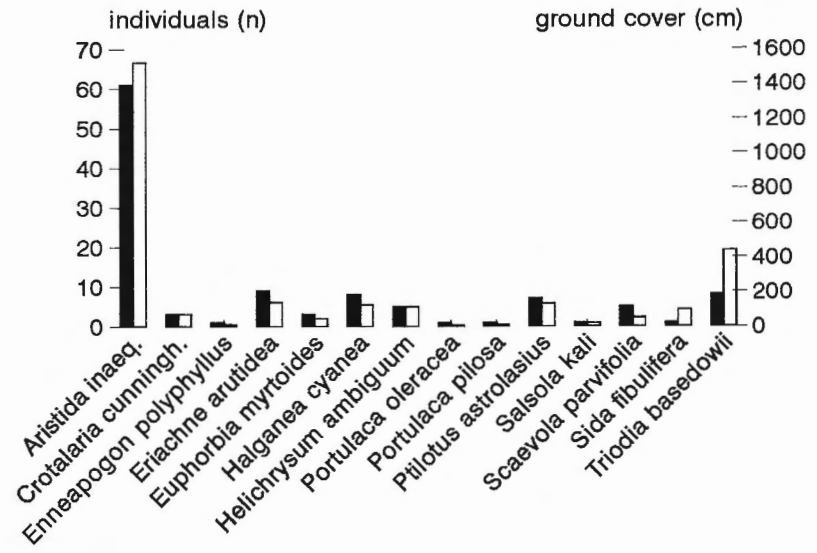


Fig. A5.9a: 12.01.89, total ground cover: 27,7%

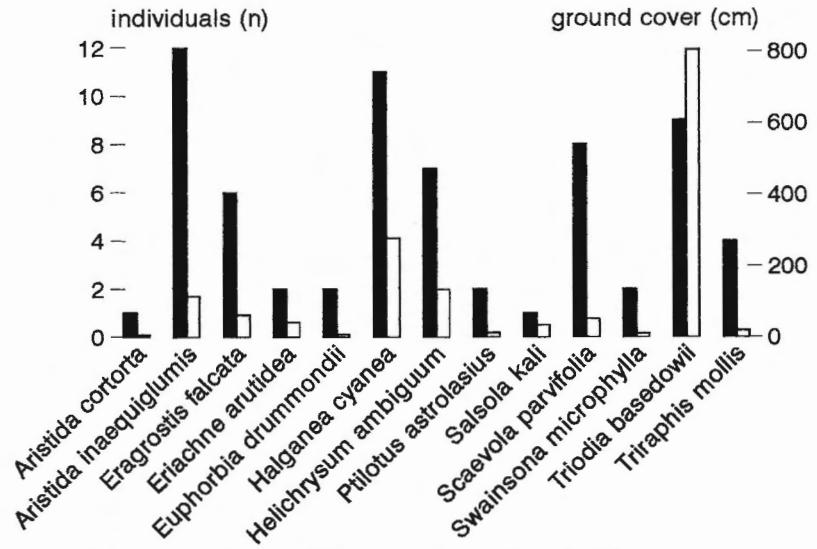


Fig. A5.9b: 01.05.89, total ground cover: 15,8%

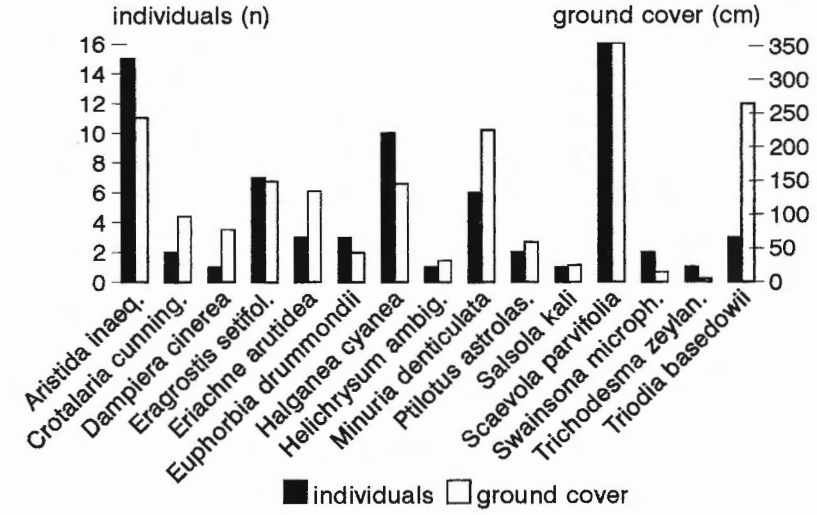


Fig. A5.9c: sandplain/dunes, N8, 01.09.89, total ground cover: 18,7%
Fig. A5.9a-c: analysis of ground-vegetation from permanent transect 9

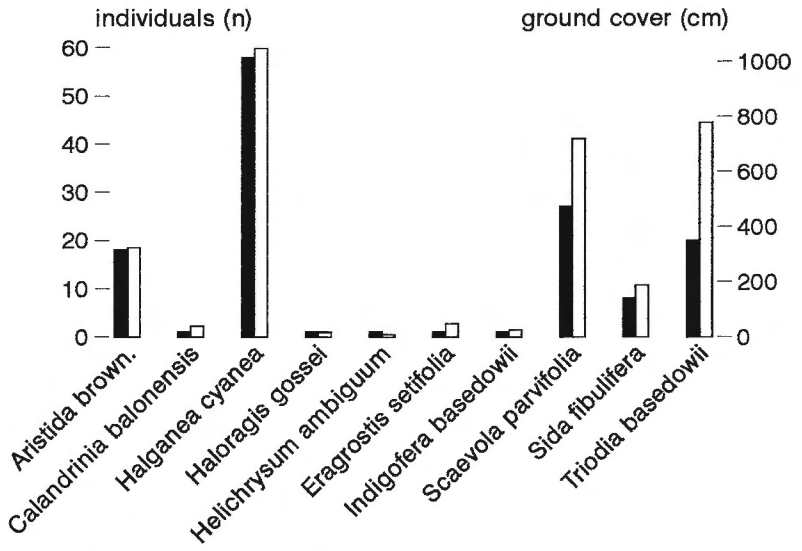


Fig. A5.10a: 12.01.89, total ground cover: 32%

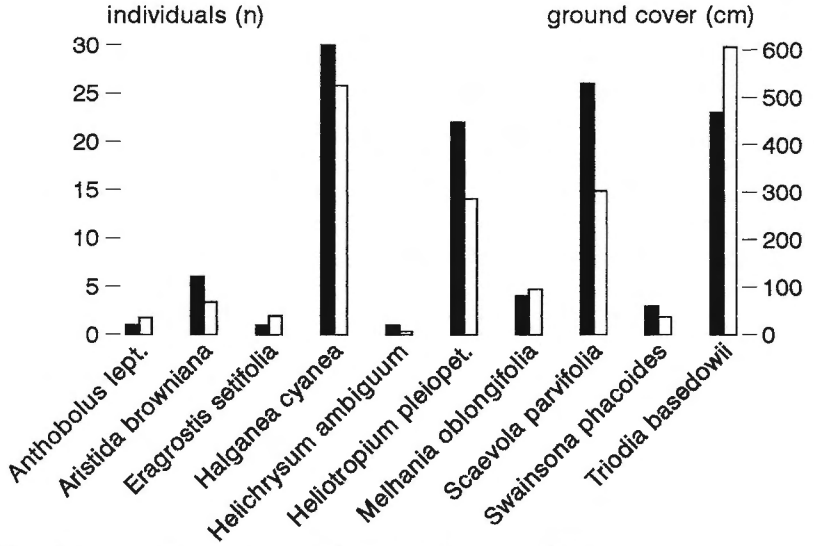


Fig. A5.10b: 01.05.89, total ground cover: 20%

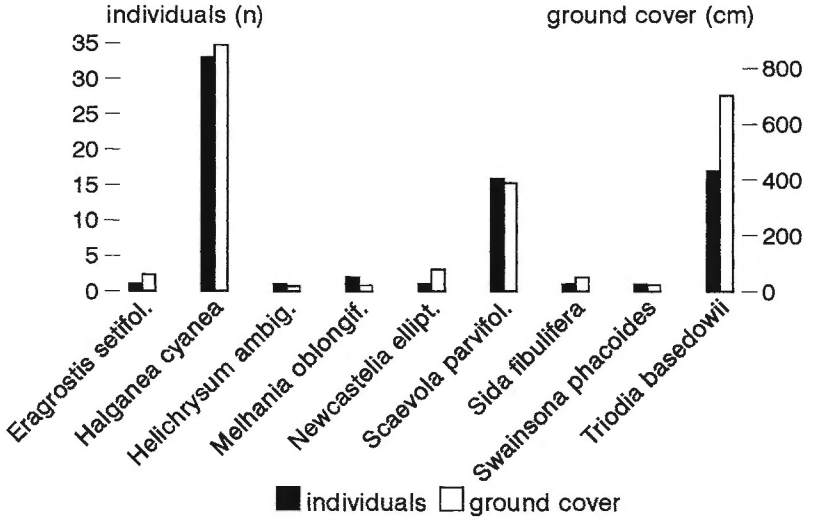


Fig. A5.10c: sandplain/dunes, N11, 01.09.89, total ground cover: 22,3%
Fig. A5.10a-c: analysis of ground-vegetation from permanent transect 10

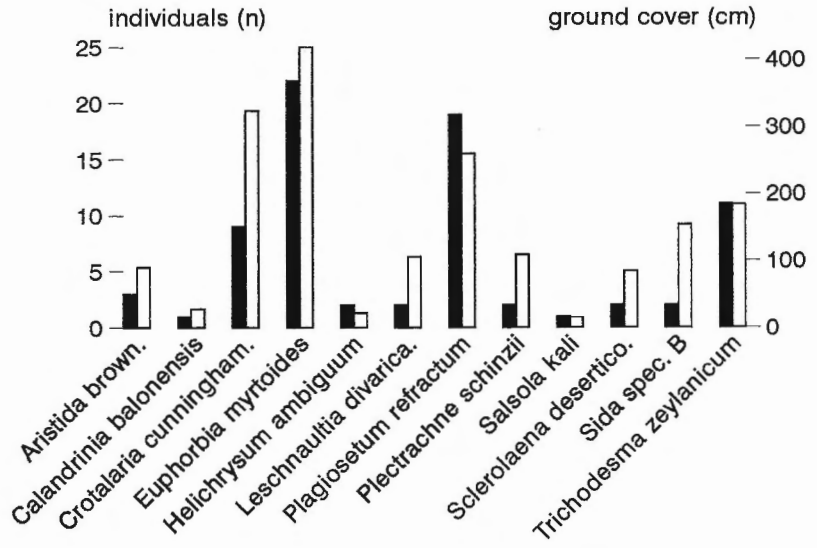


Fig. A5.11a: 13.01.89, total ground cover: 18%

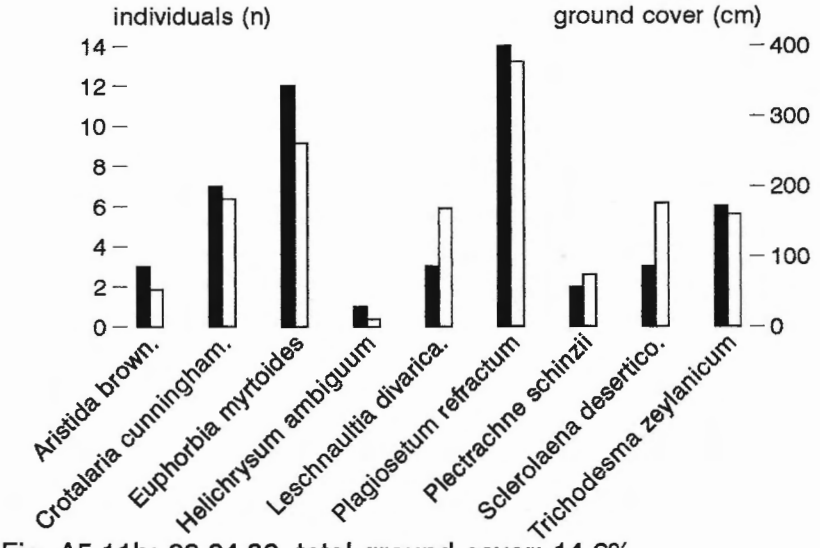


Fig. A5.11b: 29.04.89, total ground cover: 14,6%

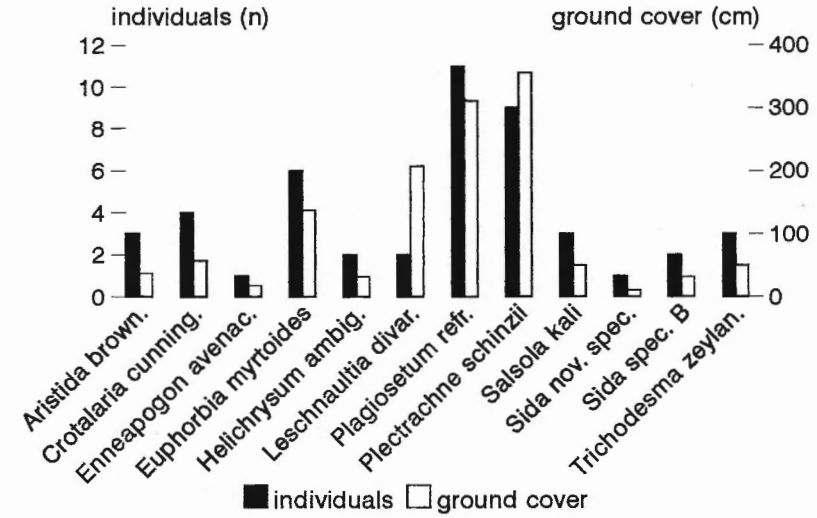


Fig. A5.11c: sandplain/dunes, D7, 31.08.89, total ground cover: 13%
Fig. A5.11a-c: analysis of ground-vegetation from permanent transect 11

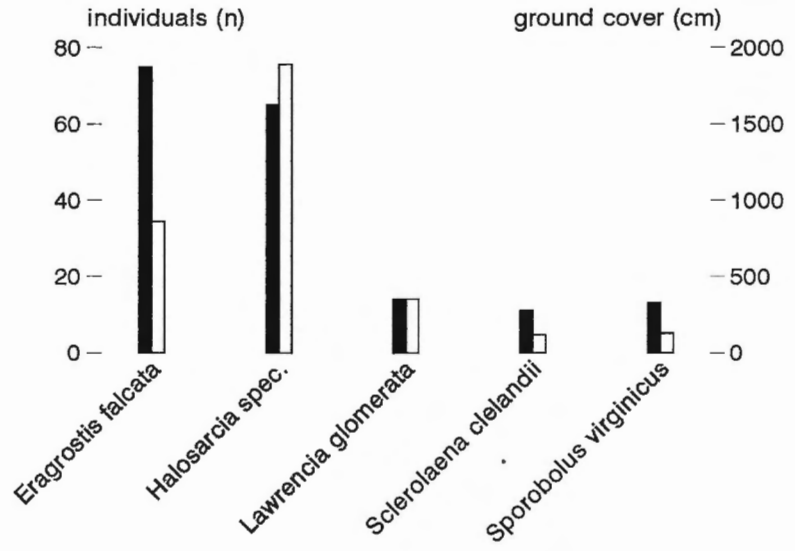


Fig. A5.12a: 12.01.89, total ground cover: 33,5%

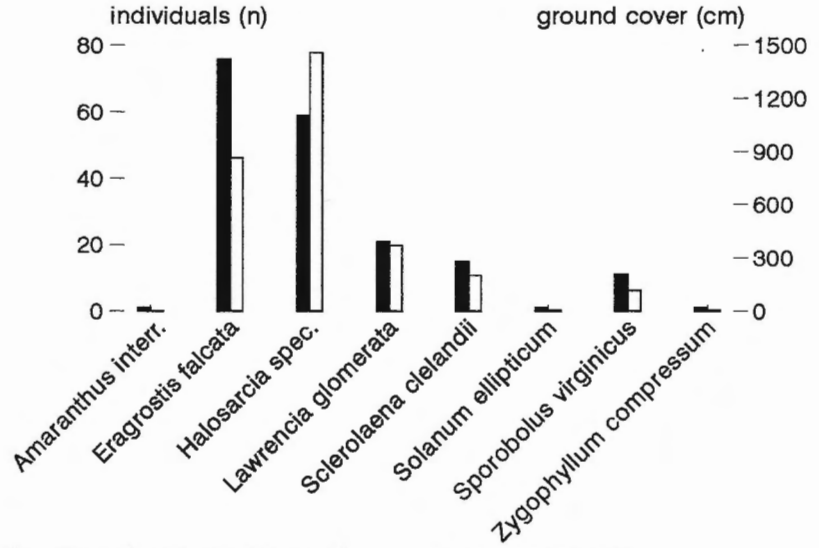


Fig. A5.12b: 29.04.89, total ground cover: 30,3%

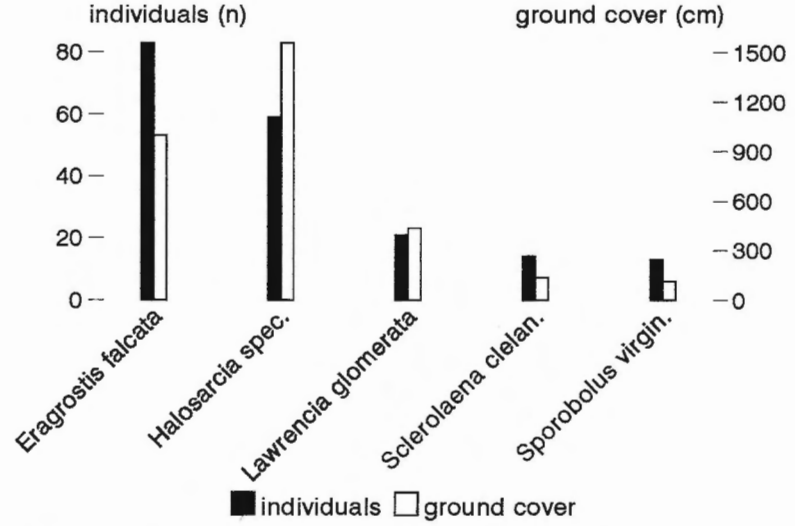


Fig. A5.12c: saltmarsh, D8, 31.08.89, total ground cover: 32,5%
Fig. A5.12a-c: analysis of ground-vegetation from permanent transect 12

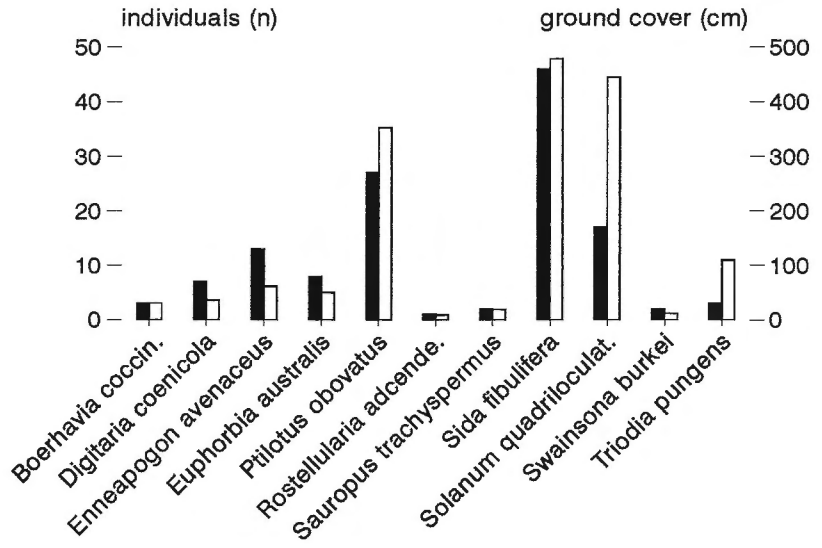


Fig. A6.1: bushland, G20, 27.11.87, total ground cover: 16,1%

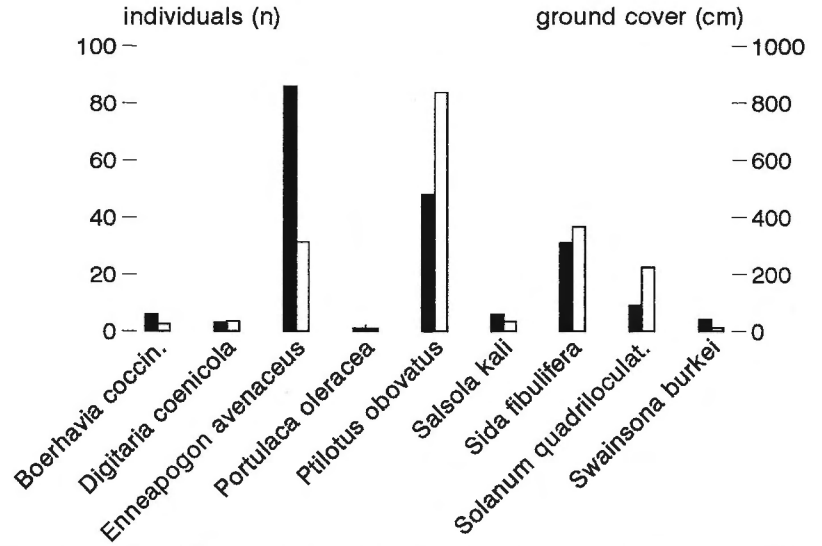


Fig. A6.2: bushland, G20, 27.11.87, total ground cover: 18,6%

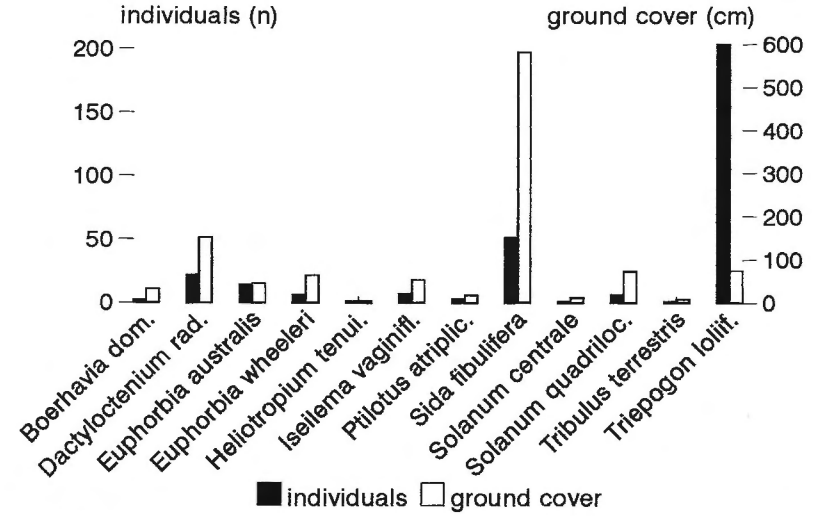


Fig. A6.3: bushland, H15, 30.11.87, total ground cover: 17,4%
Fig. A6.1-3: analysis of ground-vegetation from random samples

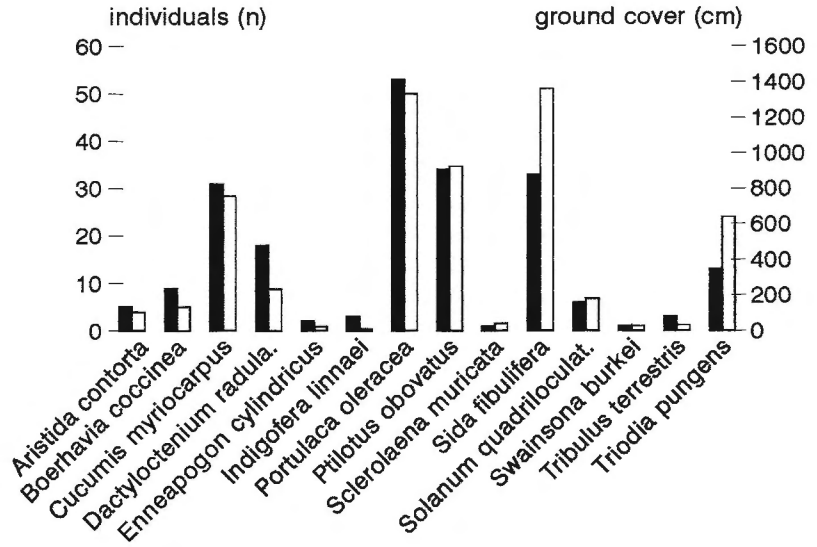


Fig. A6.4: bushland, G1, 27.01.88, total ground cover: 58%

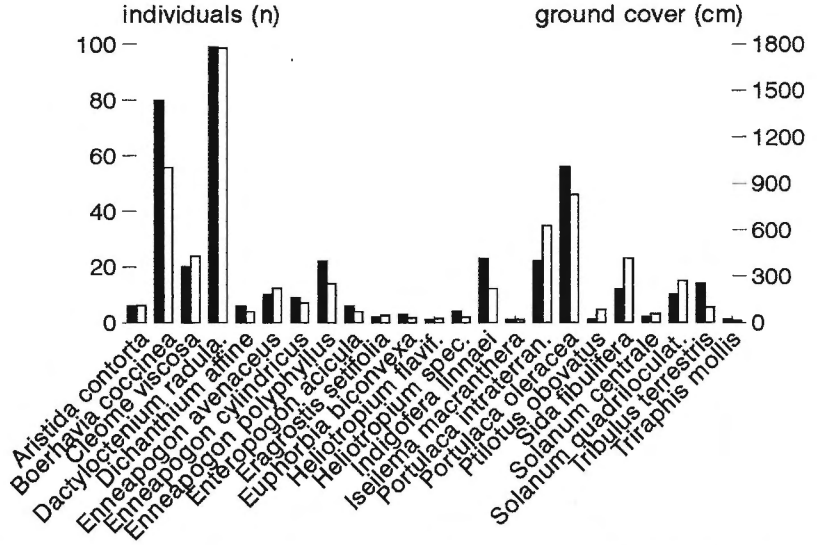


Fig. A6.5: bushland, J2, 27.01.88, total ground cover: 68,3%

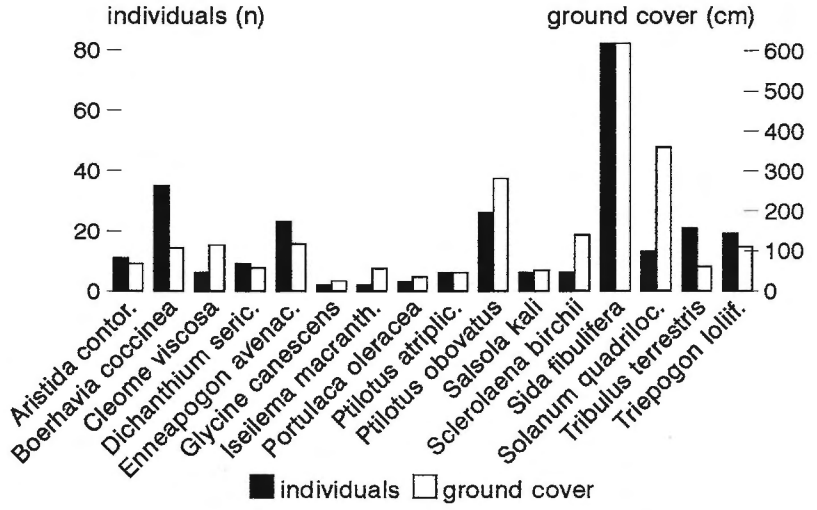


Fig. A6.6: bushland, H11, 07.03.88, total ground cover: 22,5%
Fig. A6.4-6: analysis of ground-vegetation from random samples

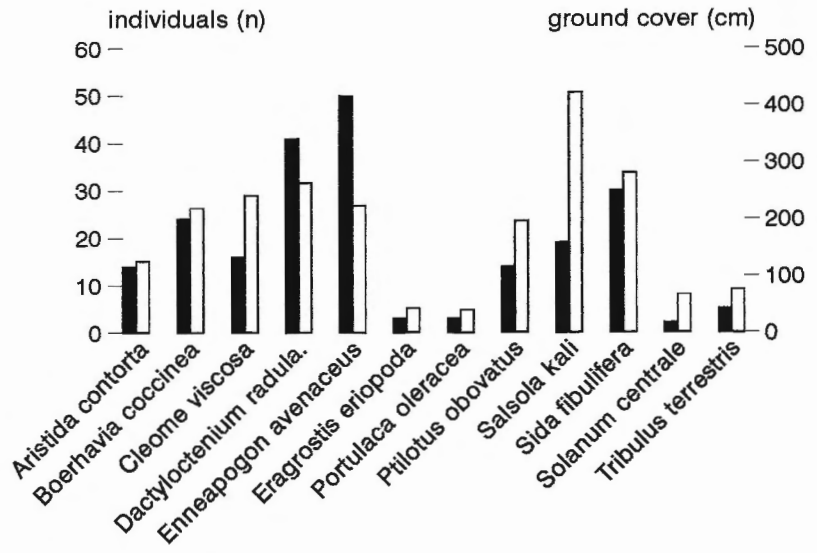


Fig. A6.7: bushland, H15, 08.03.88, total ground cover: 22%

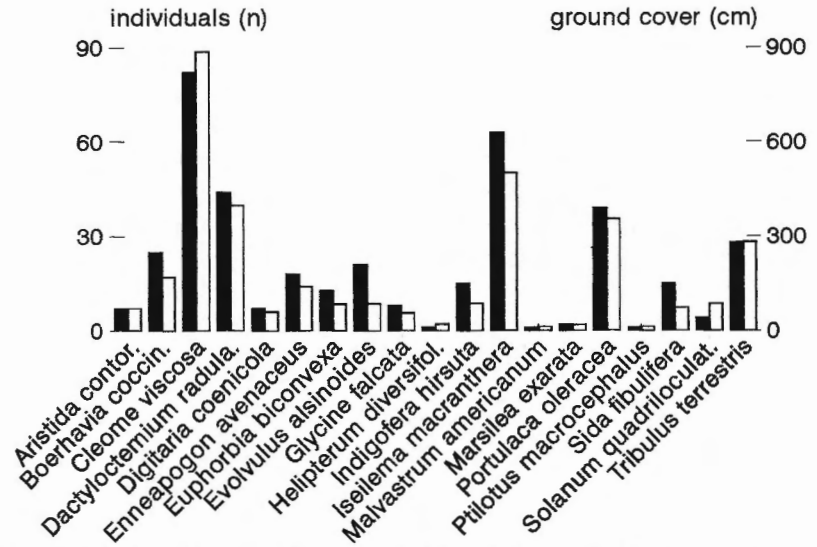


Fig. A6.8: bushland, G14, 08.03.88, total ground cover: 34%

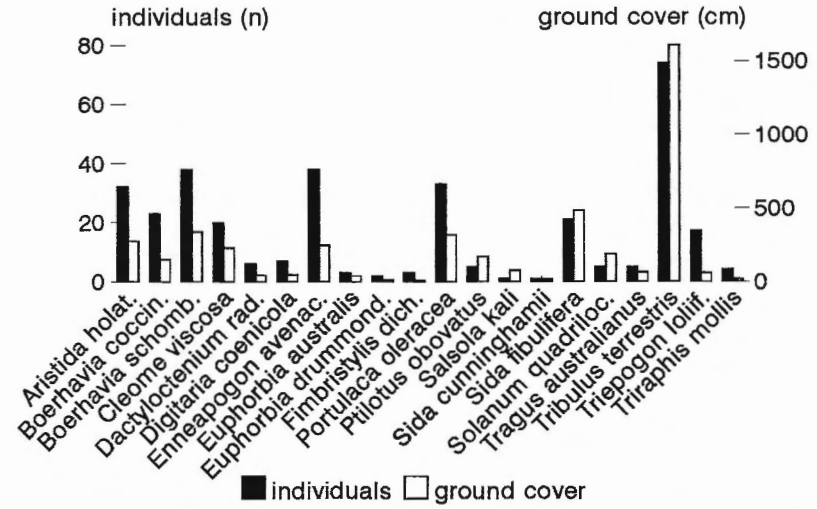


Fig. A6.9: bushland, G1, 20.04.88, total ground cover: 44%
Fig. A6.7-9: analysis of ground-vegetation from random samples

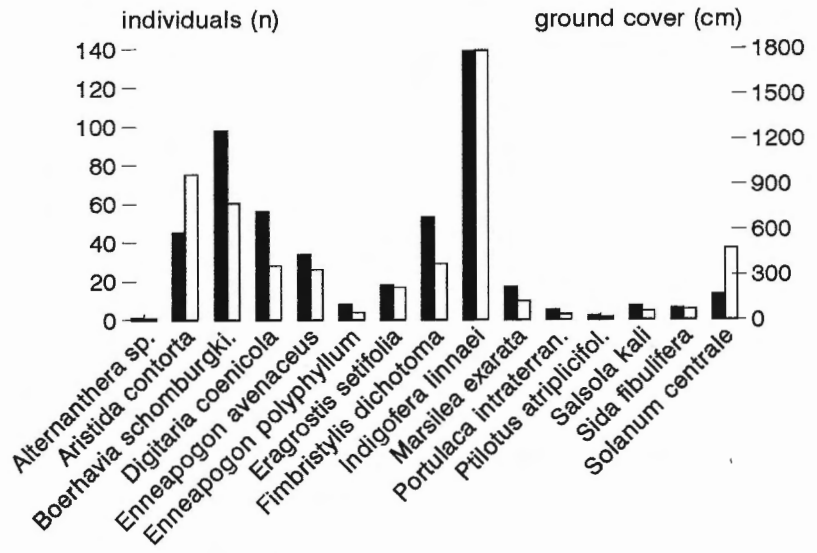


Fig. A6.10: bushland, J13, 16.12.88, total ground cover: 56,5%

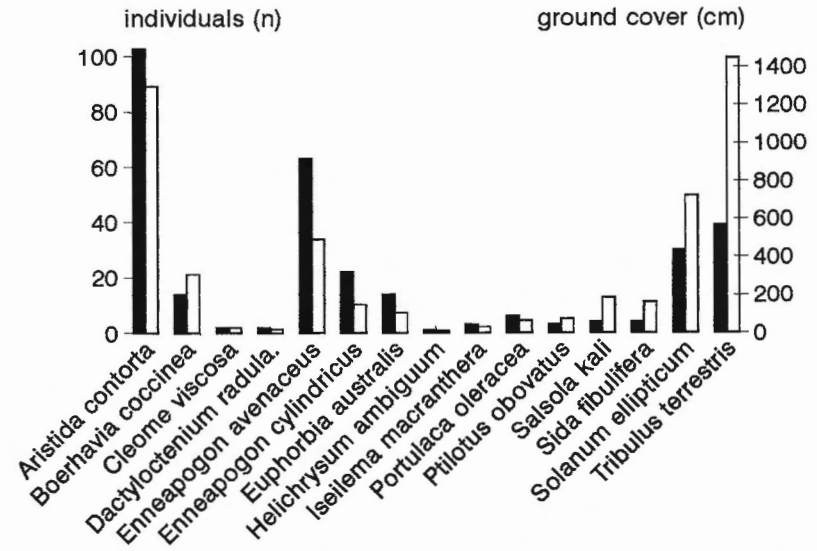


Fig. A6.11: open plain, E6, 19.04.88, total ground cover: 51%

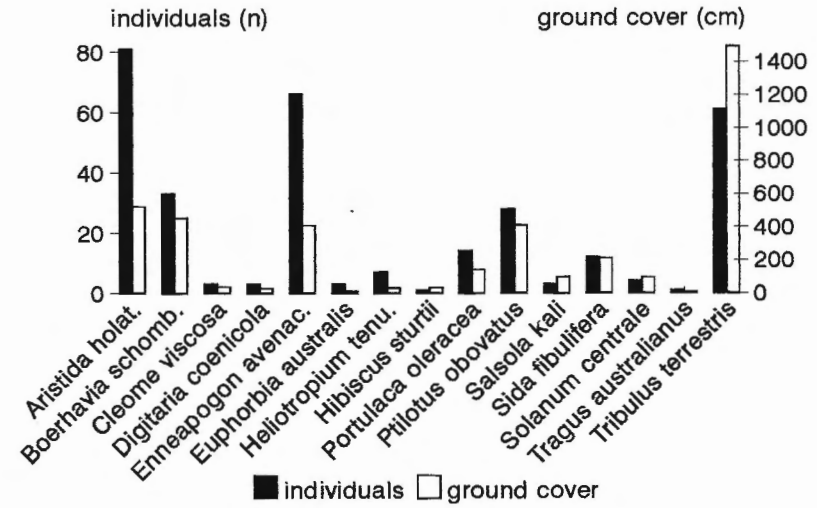


Fig. A6.12: open plain, L20, 19.04.88, total ground cover: 40%
Fig. A6.10-12: analysis of ground-vegetation from random samples

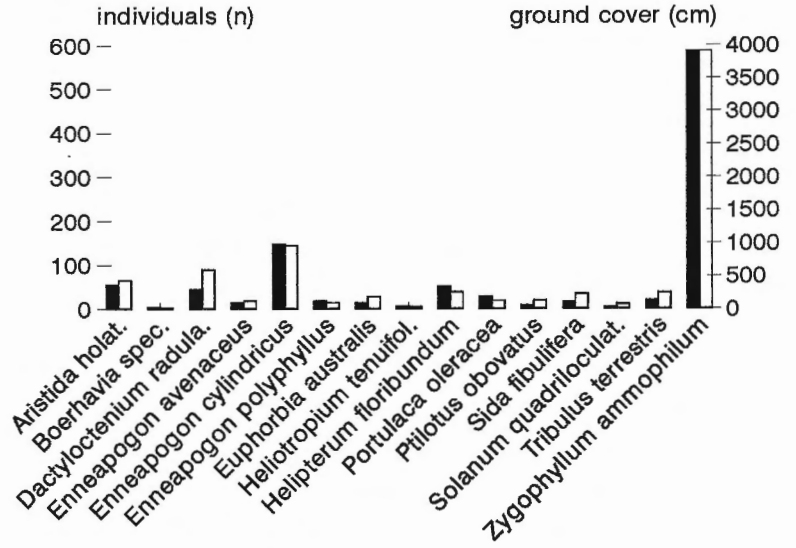


Fig. A6.13: open plain, J20, 25.05.88, total ground cover: 74%

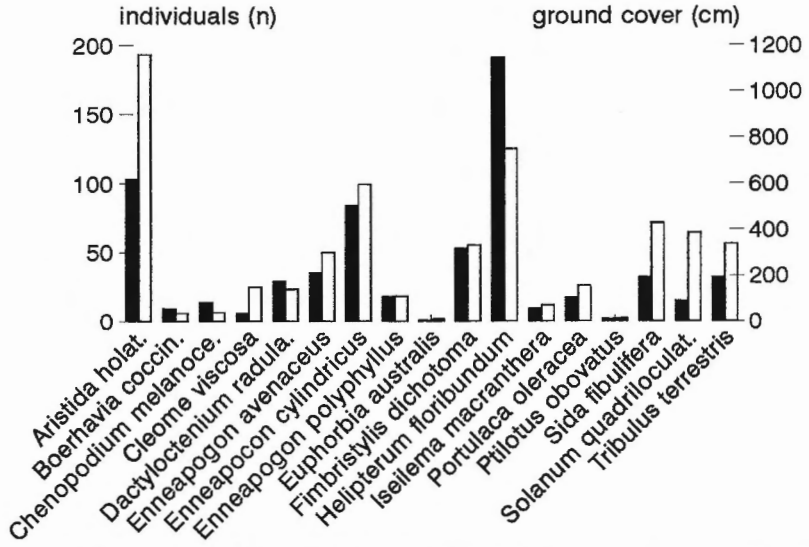


Fig. A6.14: open plain, BE2, 26.05.88, total ground cover: 50,2%

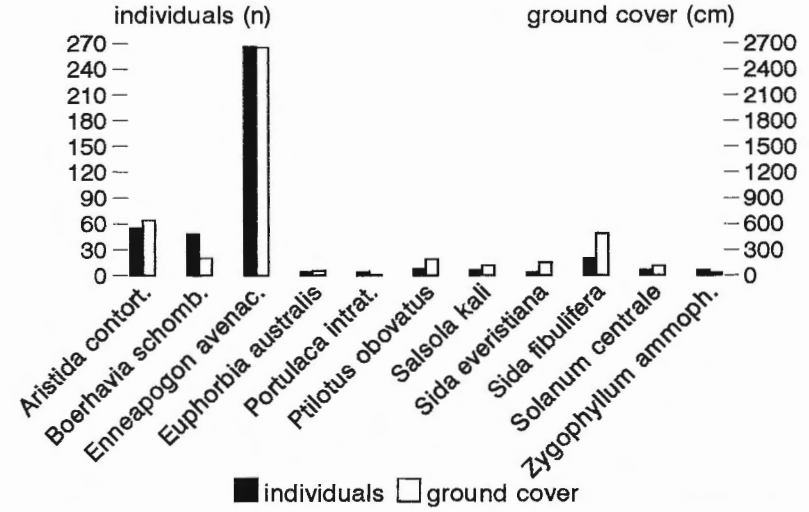


Fig. A6.15: open plain, H18, 16.12.88, total ground cover: 46,4%
Fig. A6.13-15: analysis of ground-vegetation from random samples

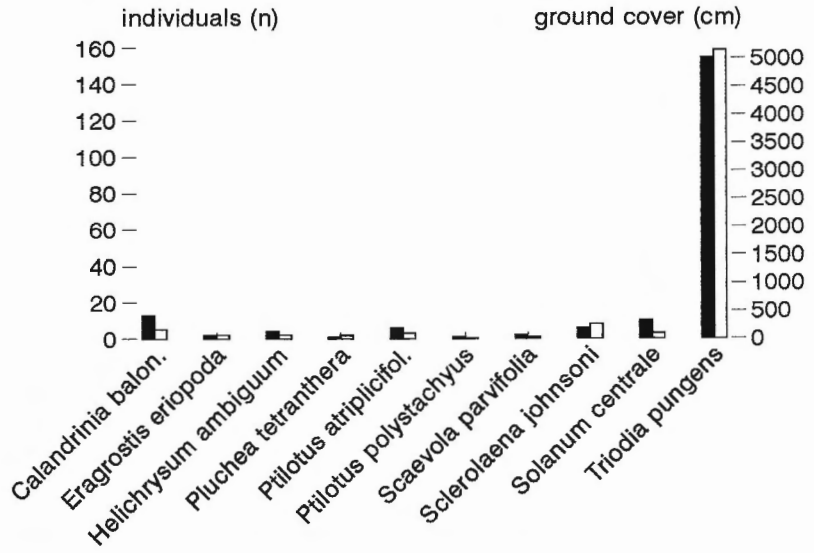


Fig. A6.16: sandplain/dunes, E11, 28.11.87, total ground cover: 60,2%

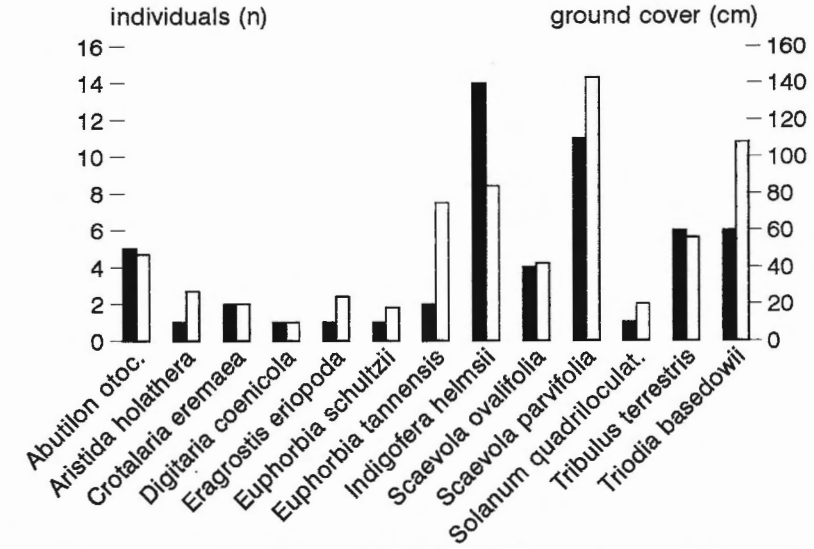


Fig. A6.17: sandplain/dunes, M10, 01.12.87, total ground cover: 6,7%

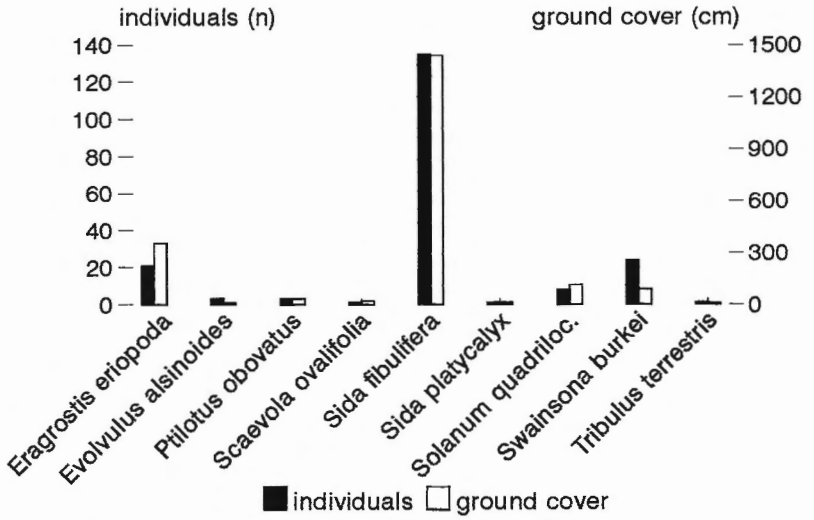


Fig. A6.18: sandplain/dunes, BH6, 02.12.87, total ground cover: 20,8%
Fig. A6.16-18: analysis of ground-vegetation from random samples

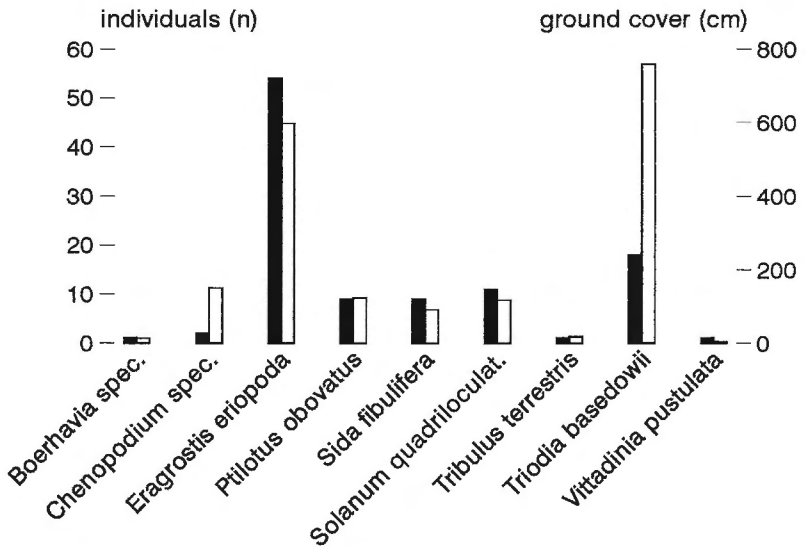


Fig. A6.19: sandplain/dunes, BI6, 02.12.87, total ground cover: 17,4%

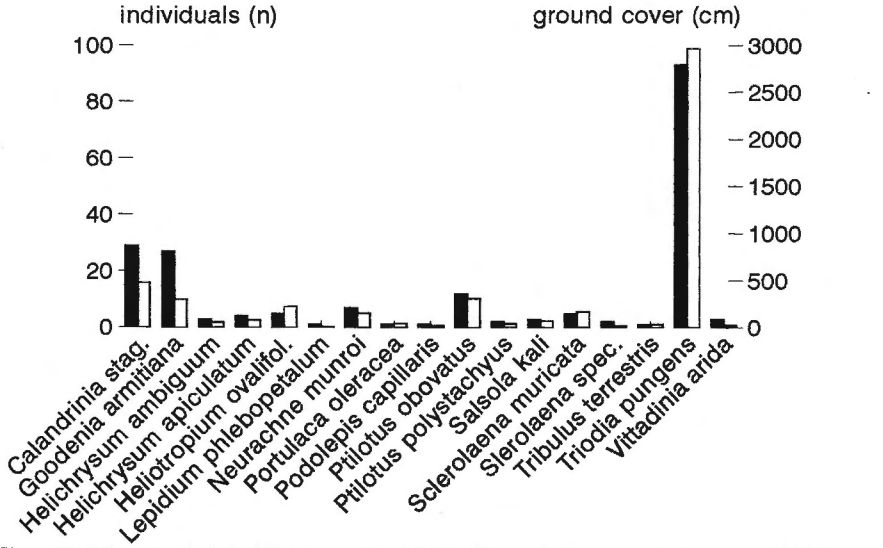


Fig. A6.20: sandplain/dunes, E3, 29.01.88, total ground cover: 49,7%

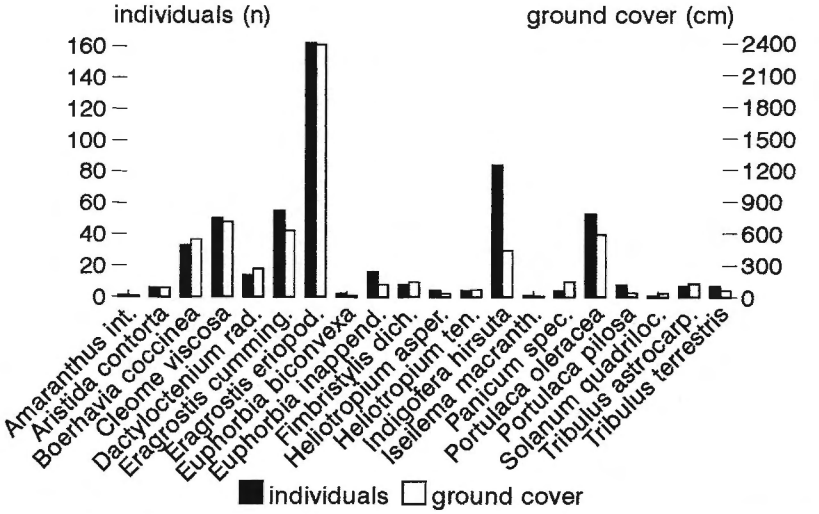


Fig. A6.21: sandplain/dunes, M11, 29.01.88, total ground cover: 64,4%
Fig. A6.19-21: analysis of ground-vegetation from random samples

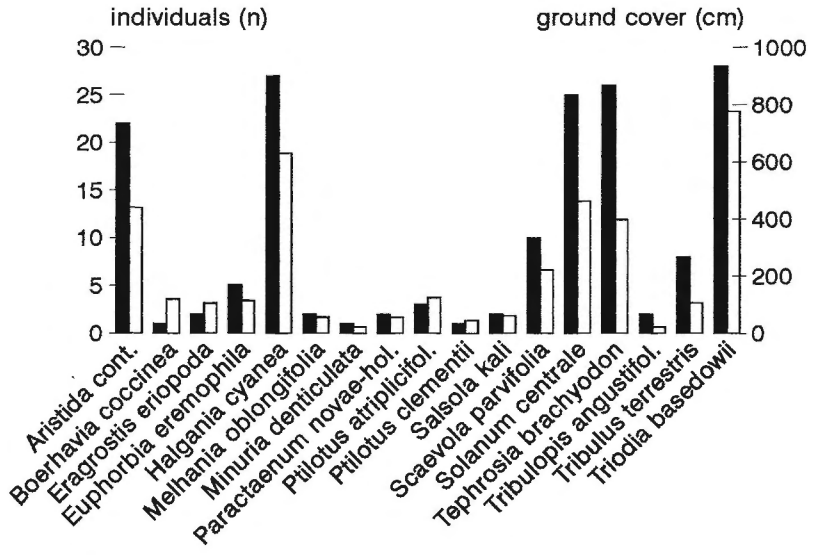


Fig. A6.22: sandplain/dunes, N10, 02.02.88, total ground cover: 37,5%

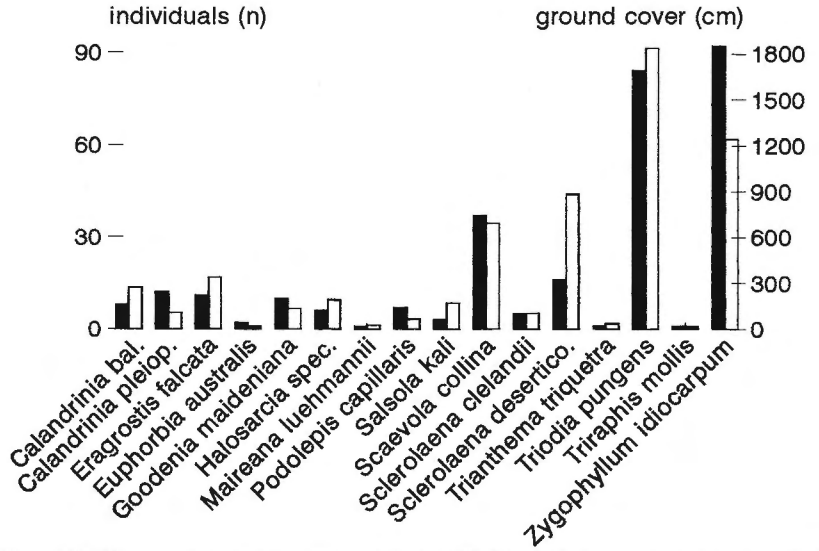


Fig. A6.23: sandplain/dunes, E10, 22.05.88, total ground cover: 61,5%

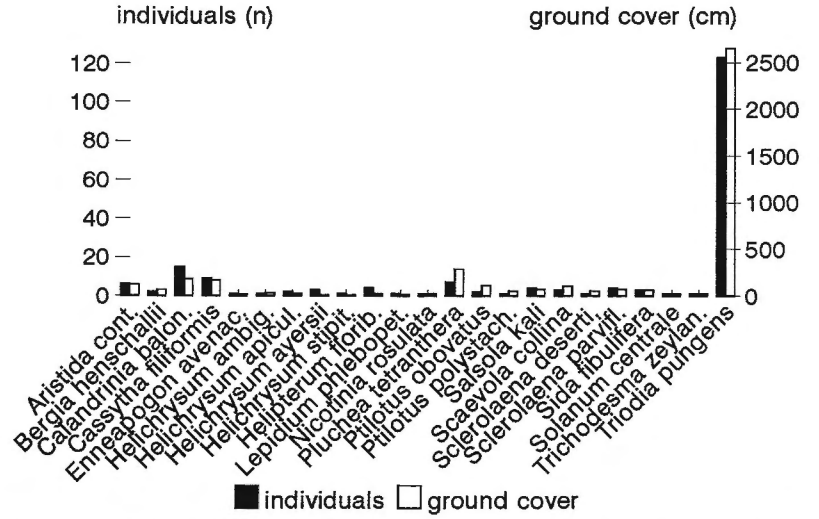


Fig. A6.24: sandplain/dunes, G7, 10.09.88, total ground cover: 46,4%
Fig. A6.22-24: analysis of ground-vegetation from random samples

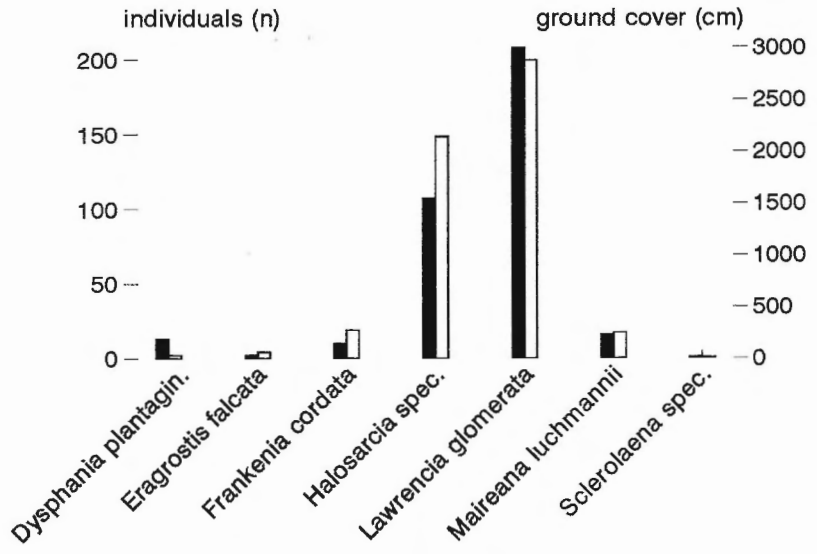


Fig. A6.25: saltmarsh, E5, 22.05.88, total ground cover: 56,4%

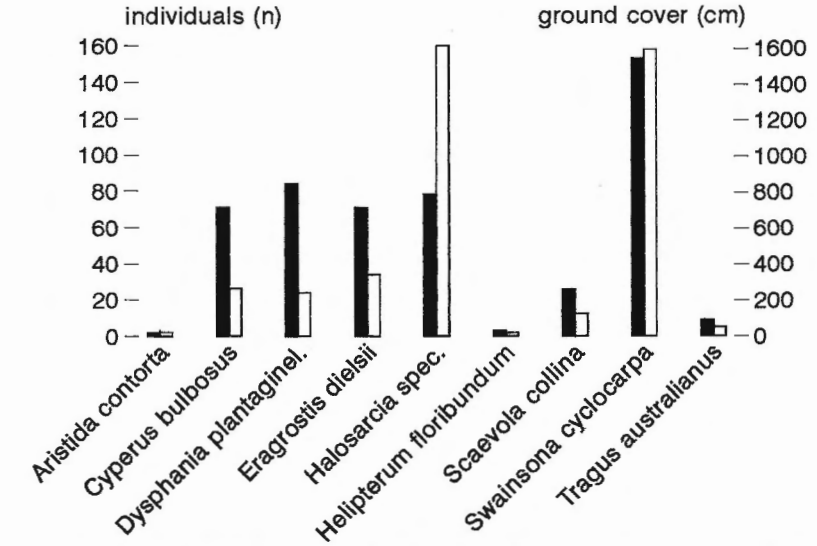


Fig. A6.26: saltmarsh, C20, 27.05.88, total ground cover: 42,8%

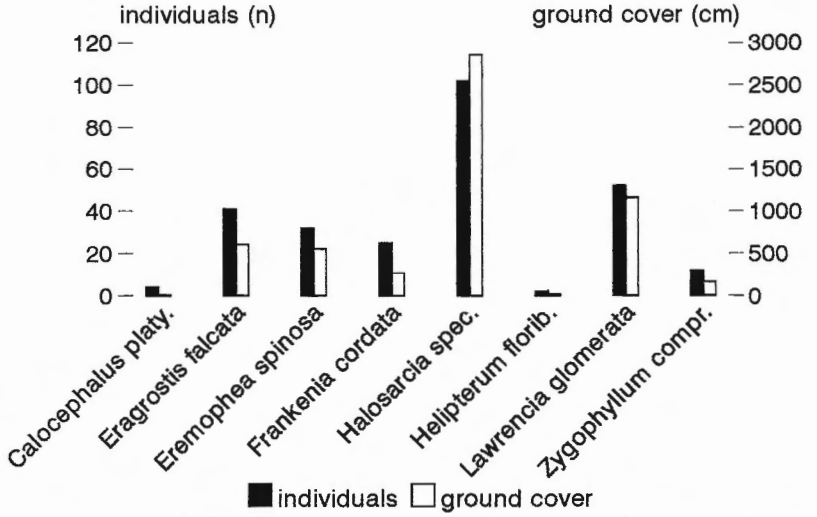


Fig. A6.27: saltmarsh, E8, 10.09.88, total ground cover: 56,5%
Fig. A6.25-27: analysis of ground-vegetation from random samples

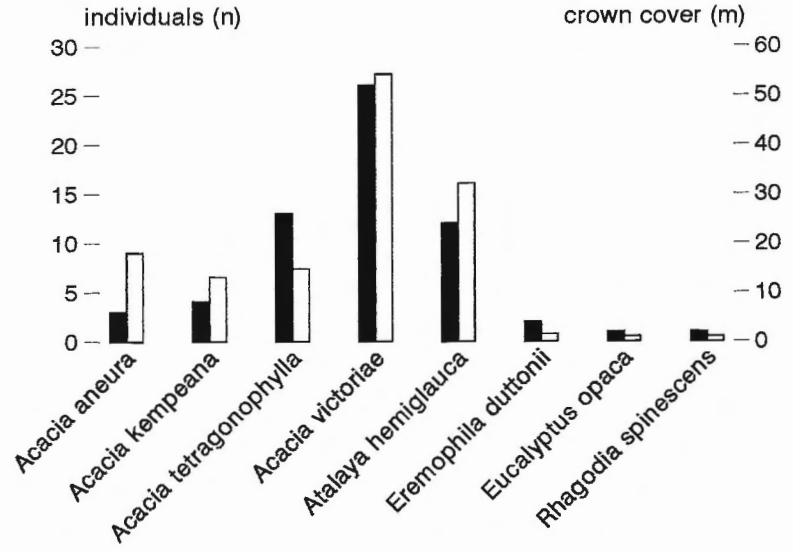


Fig. A7.1: bushland, total crown cover: 13,6%

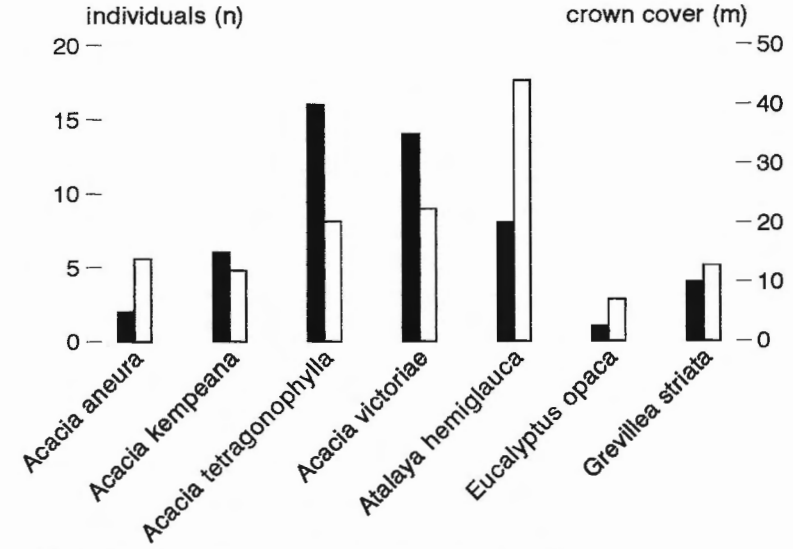


Fig. A7.2: bushland, total crown cover: 13,2%

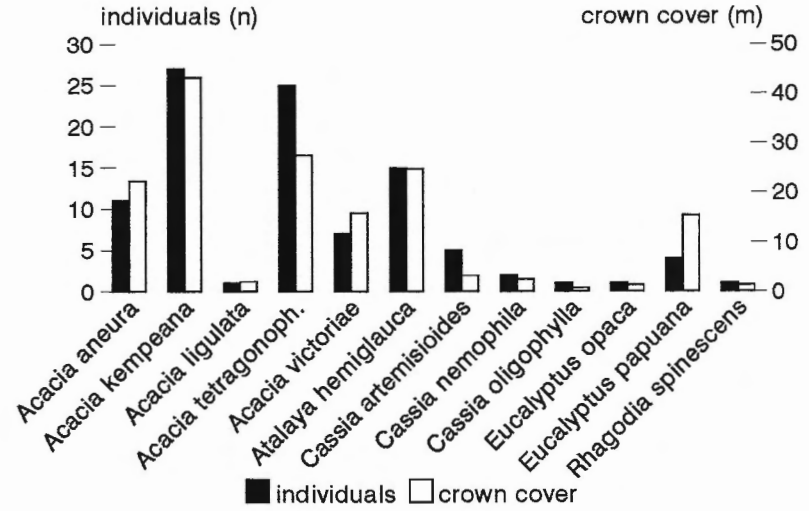


Fig. A7.3: bushland, total crown cover: 16%
Fig. A7.1-3: vegetation analysis of trees and shrubs

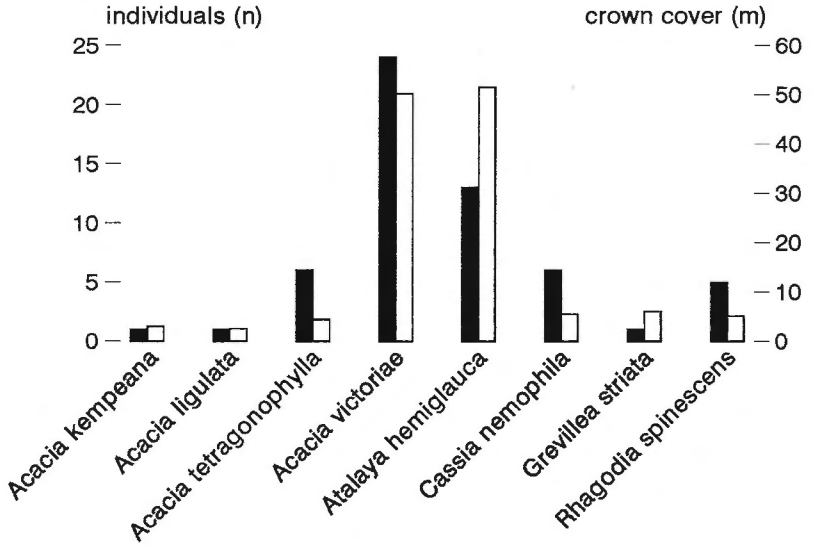


Fig. A7.4: bushland, total crown cover: 12,9%

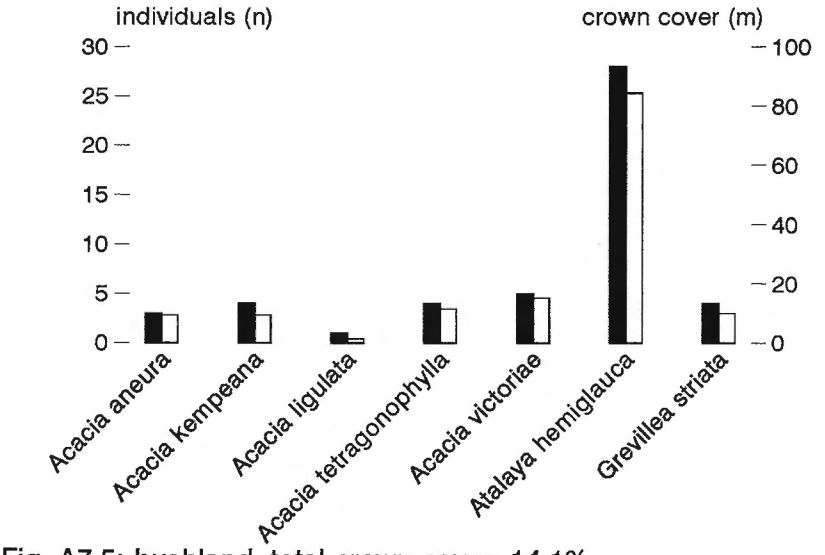


Fig. A7.5: bushland, total crown cover: 14,1%

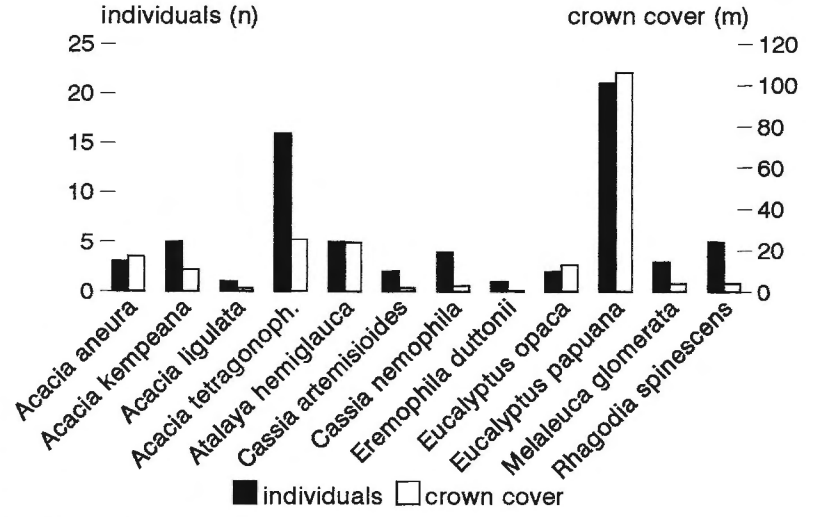


Fig. A7.6: bushland, total crown cover: 20,9%
Fig. A7.4-6: vegetation analysis of trees and shrubs

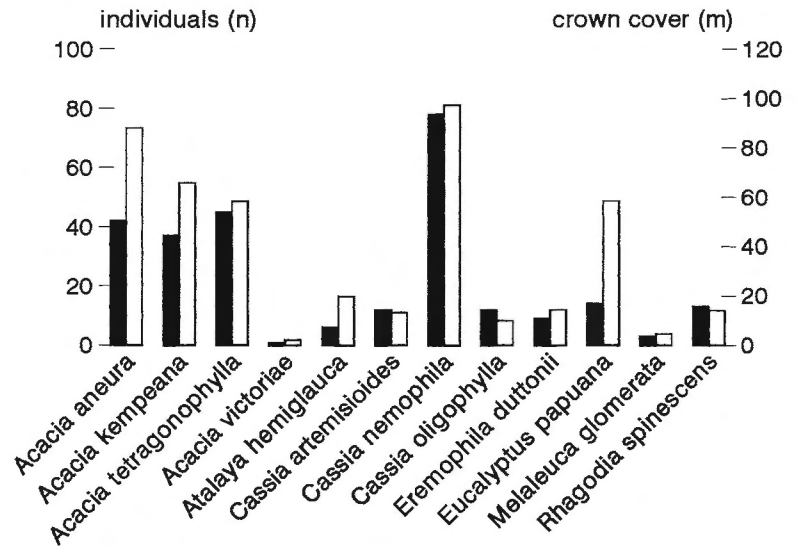


Fig. A7.7: bushland, total crown cover: 44,6%

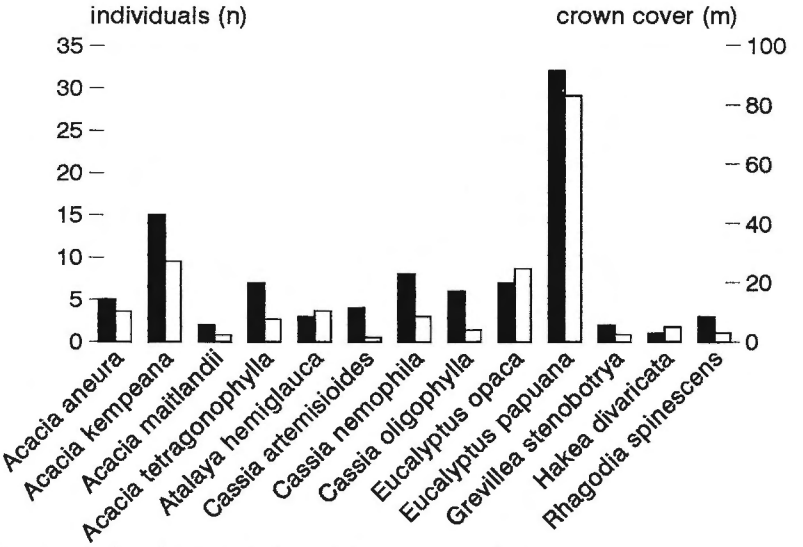


Fig. A7.8: bushland, total crown cover: 19%

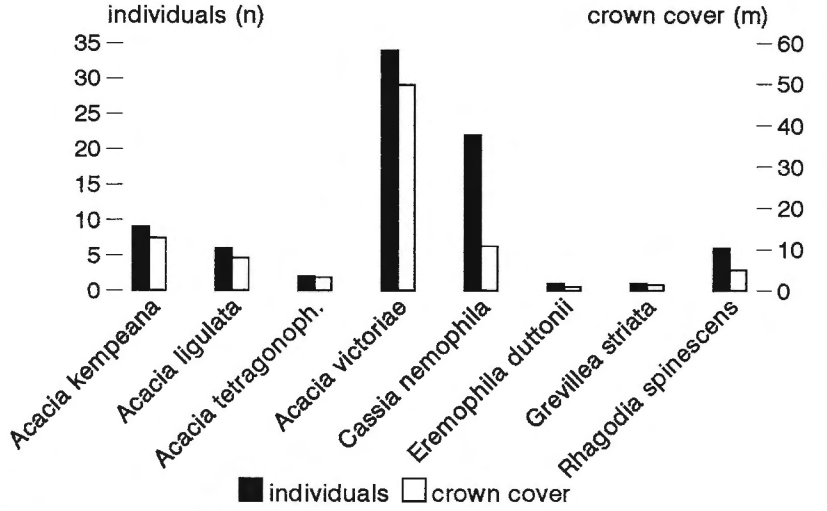


Fig. A7.9: bushland, total crown cover: 9,2%
Fig. A7.7-9: vegetation analysis of trees and shrubs

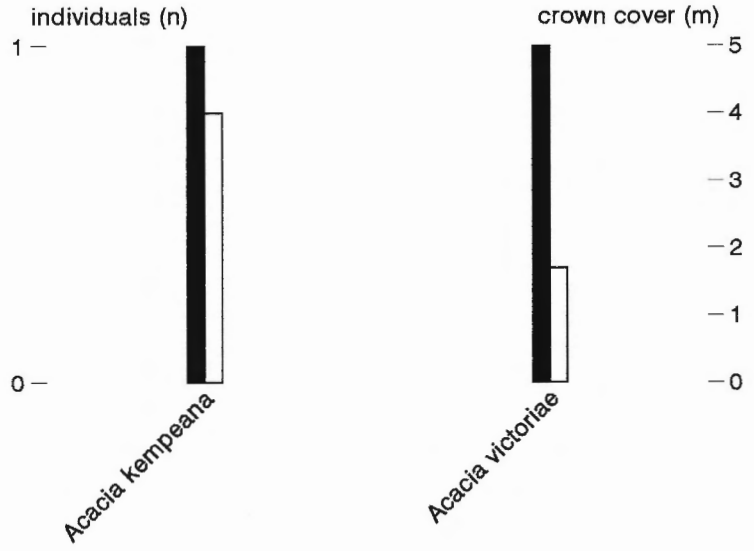


Fig. A7.10: open plain, total crown cover: 0,6%

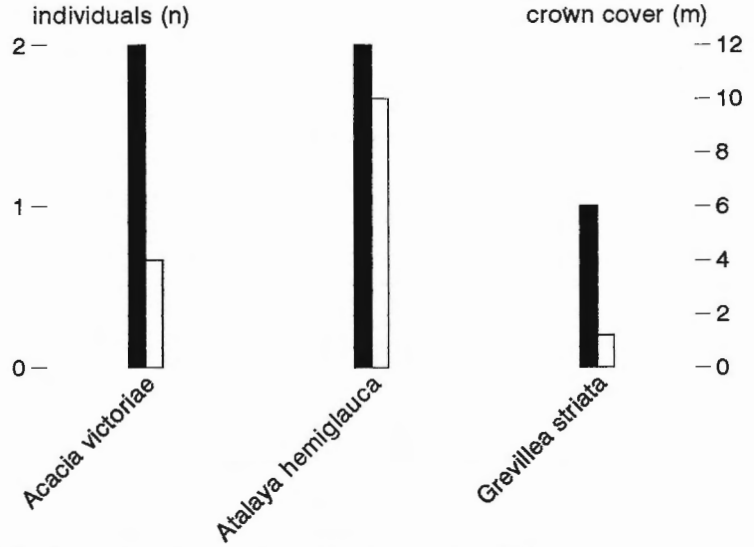


Fig. A7.11: open plain, total crown cover: 1,5%

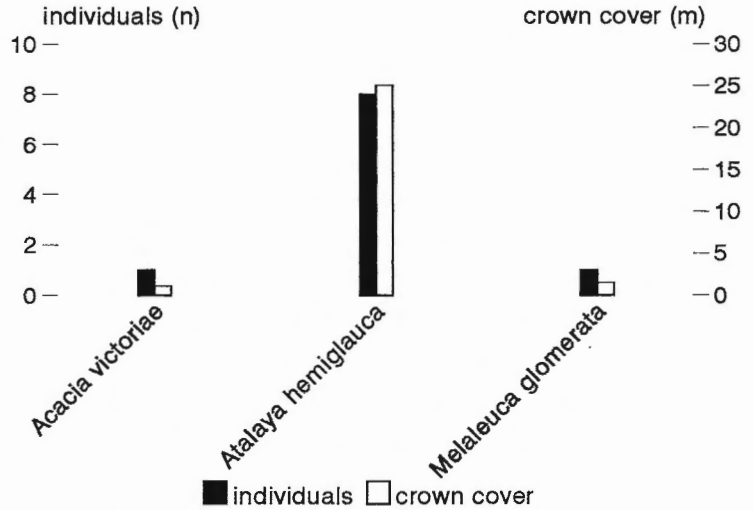


Fig. A7.12: open plain, total crown cover: 2,8%
Fig. A7.10-12: vegetation analysis of trees and shrubs

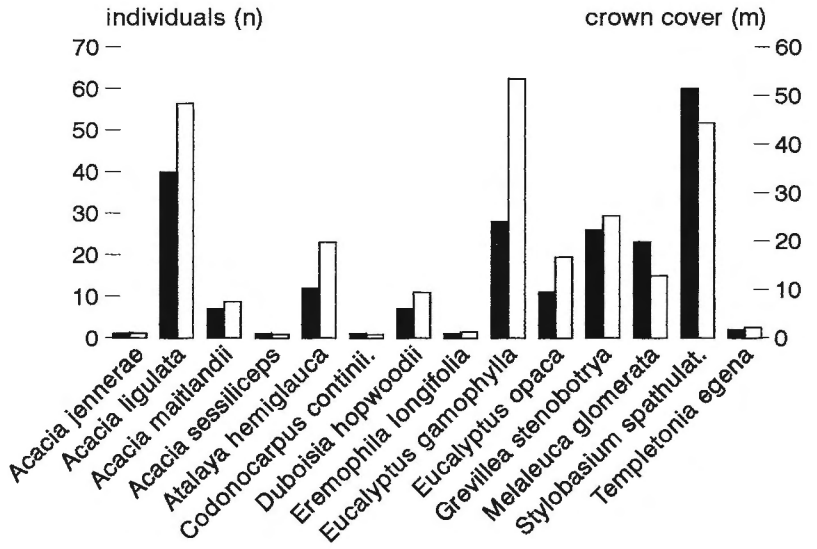


Fig. A7.13: sandplain/dunes, total crown cover: 24,4%

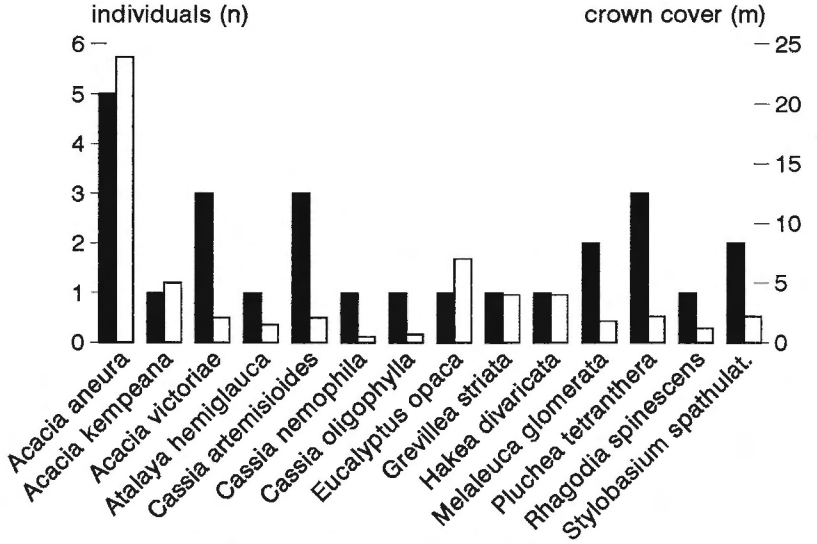


Fig. A7.14: sandplain/dunes, total crown cover: 5,8%

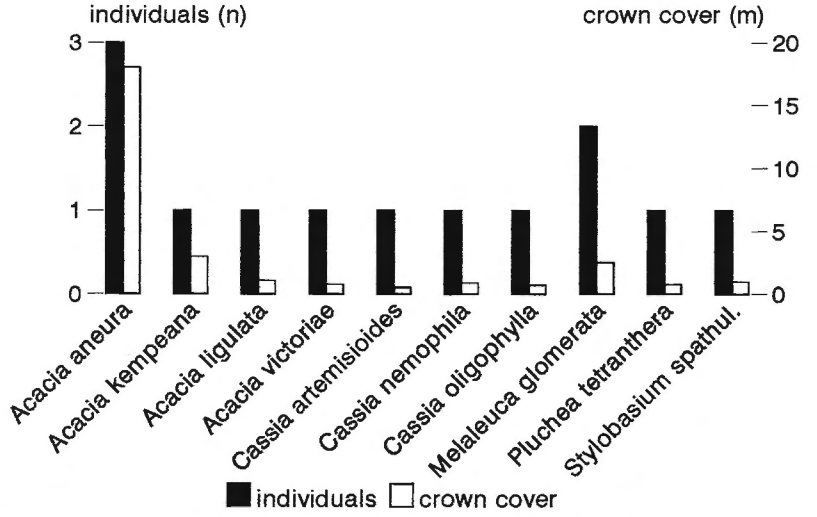


Fig. A7.15: sandplain/dunes, total crown cover: 2,9%
Fig. A7.13-15: vegetation analysis of trees and shrubs

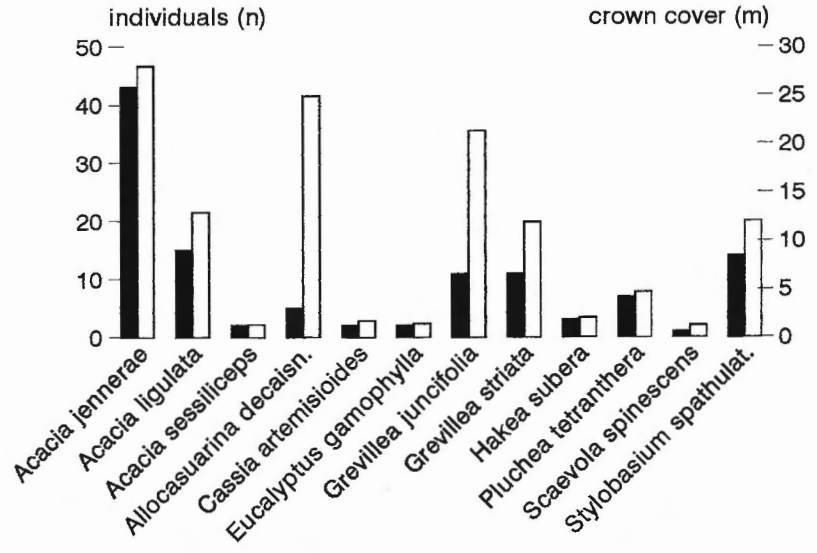


Fig. A7.16: sandplain/dunes, total crown cover: 12,3%

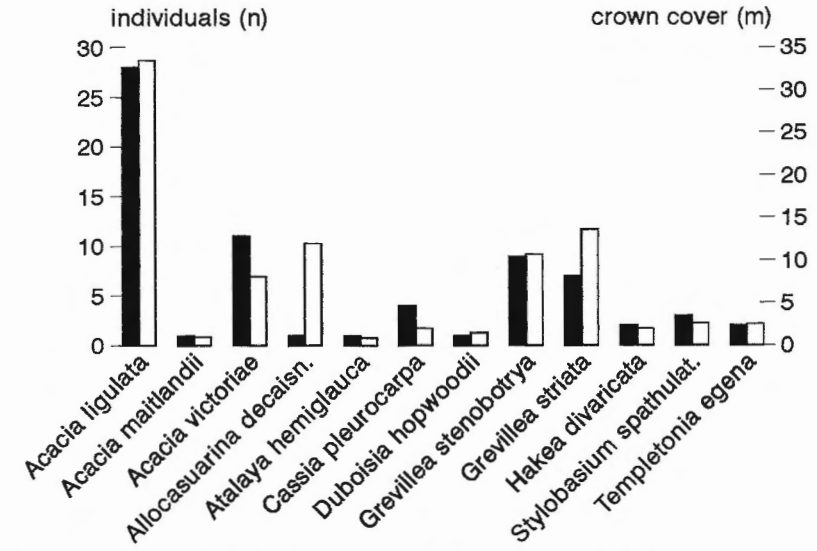


Fig. A7.17: sandplain/dunes, total crown cover: 9%

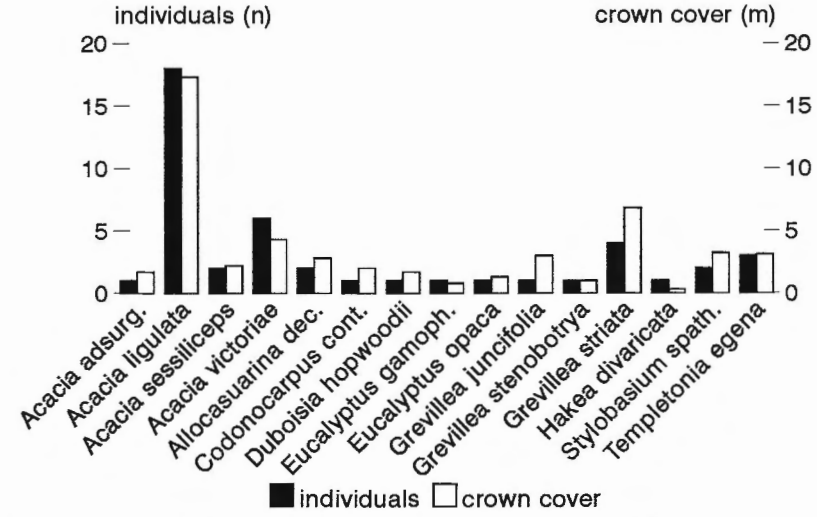


Fig. A7.18: sandplain/dunes, total crown cover: 5,2%
Fig. A7.16-18: vegetation analysis of trees and shrubs

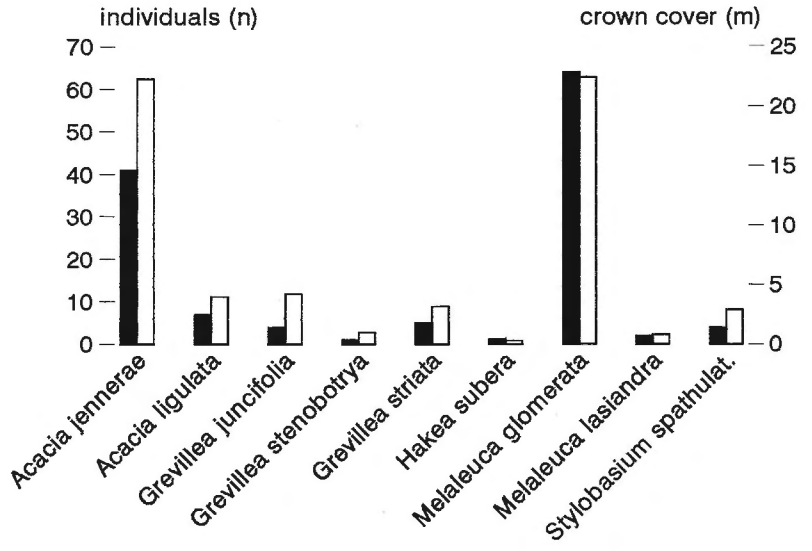


Fig. A7.19: sandplain/dunes, total crown cover: 6,1%

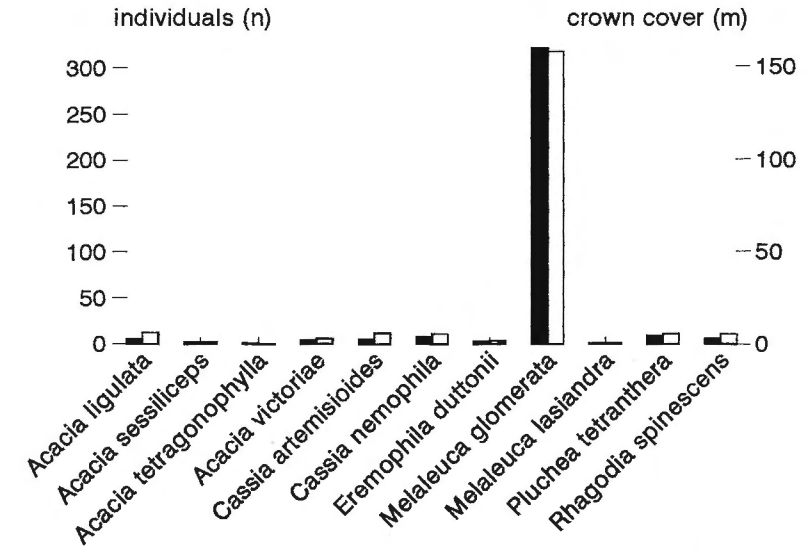


Fig. A7.20: sandplain/dunes, total crown cover: 19,2%

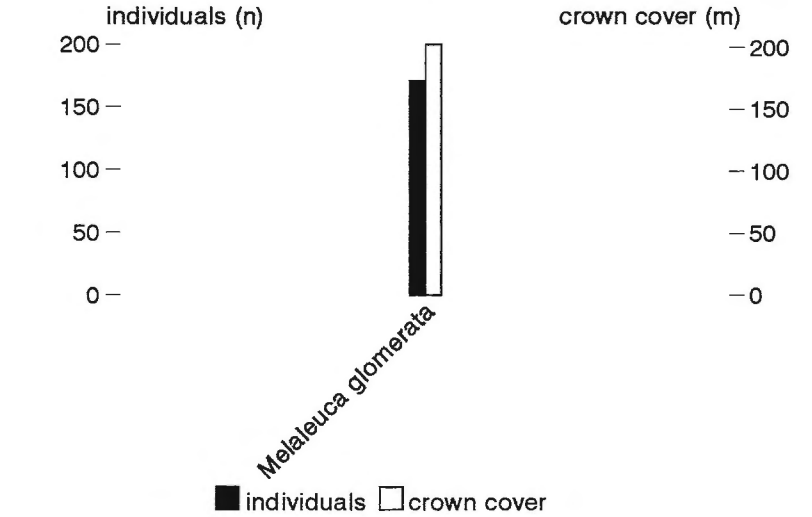


Fig. A7.21: sandplain, total crown cover: 20,3%
Fig. A7.19-21: vegetation analysis of trees and shrubs

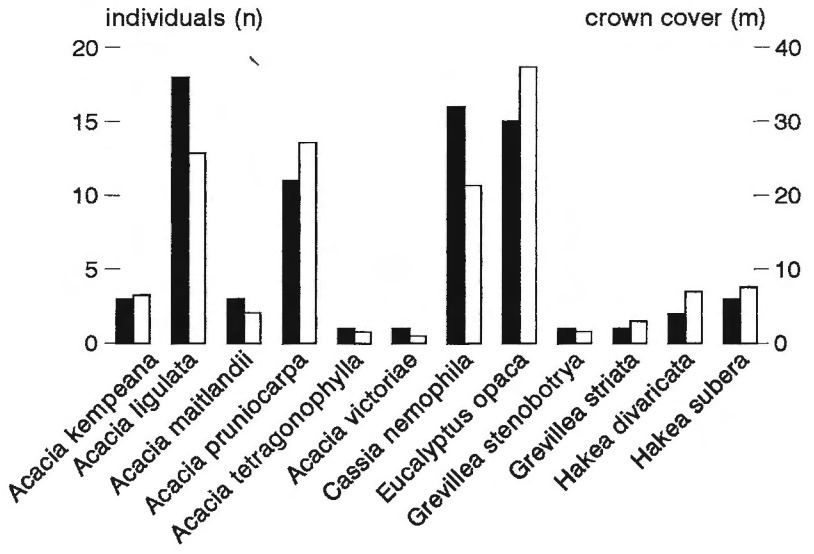


Fig. A7.22: sandplain/dunes, total crown cover: 14,4%

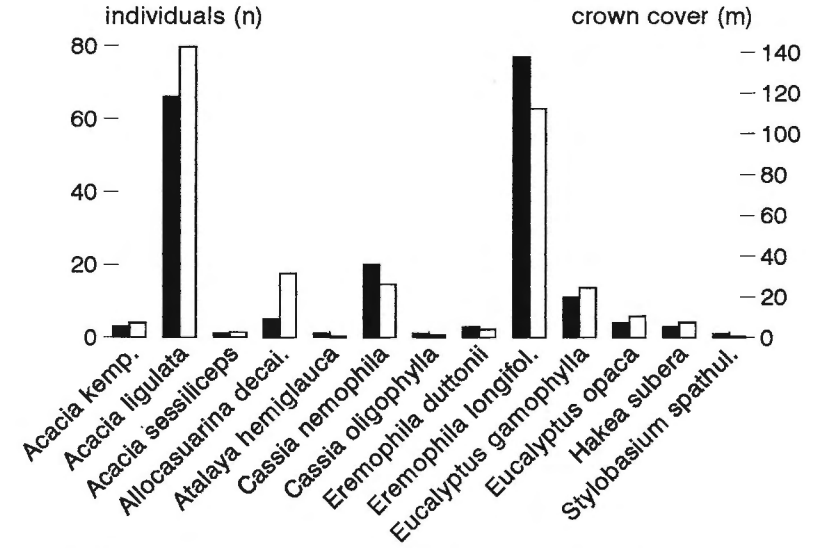


Fig. A7.23: sandplain/dunes, total crown cover: 37%

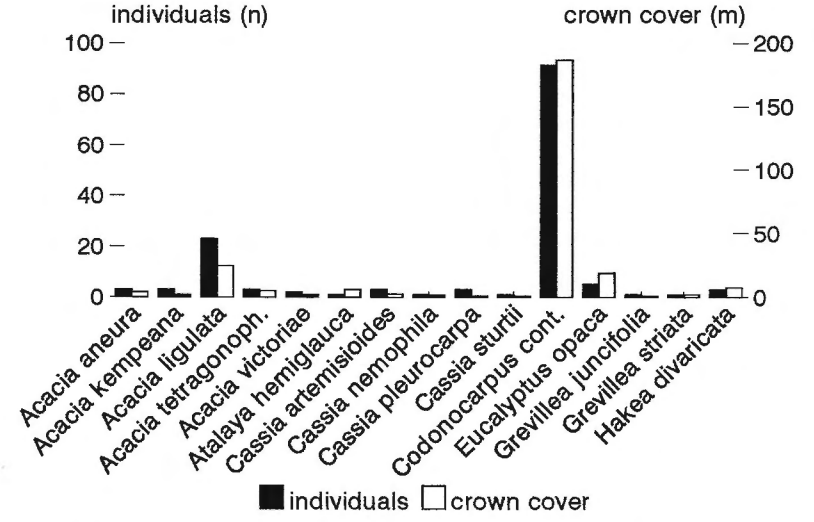


Fig. A7.24: sandplain/dunes, total crown cover: 26,4%
Fig. A7.22-24: vegetation analysis of trees and shrubs

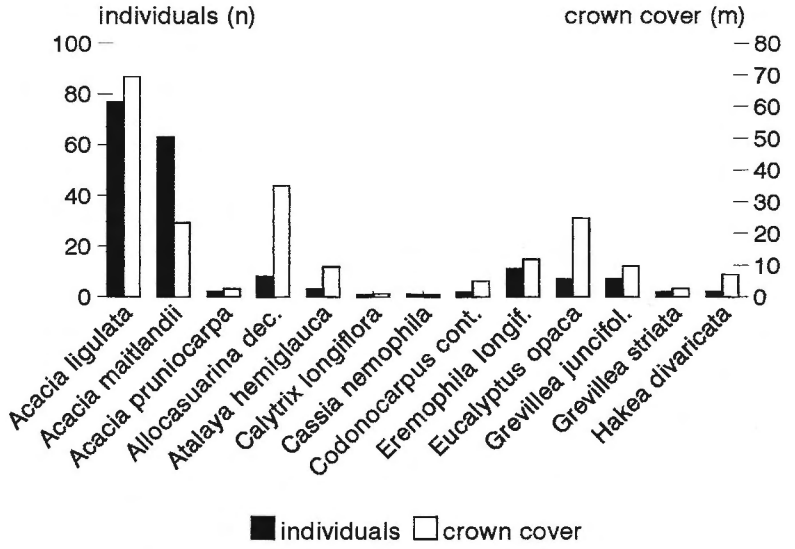


Fig. A7.25: sandplain/dunes, total crown cover: 20,2%
Fig. A7.25: vegetation analysis of trees and shrubs

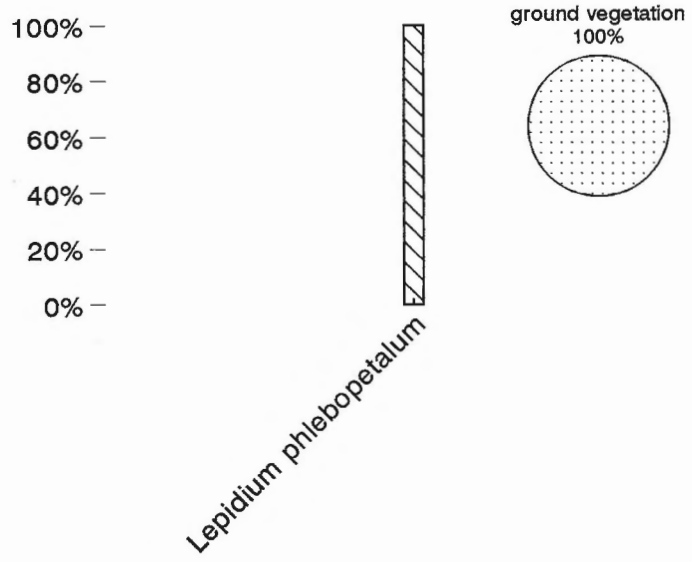


Fig. A8.1: valley in the hills, Todd River Station, 01.10.88

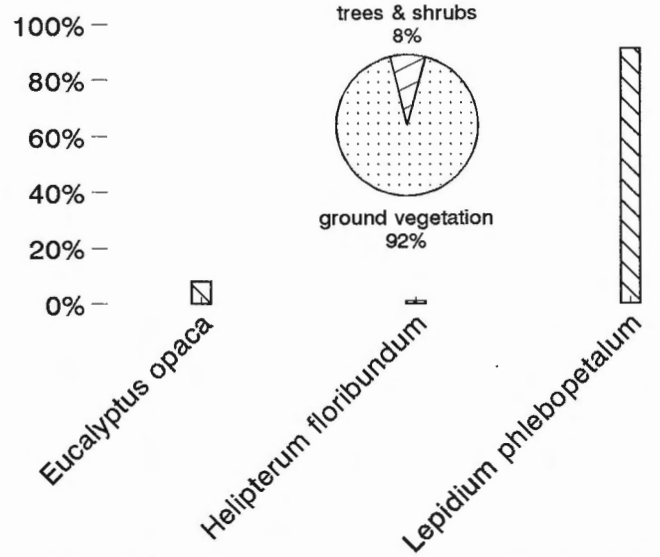


Fig. A8.2: valley in the hills, Todd River Station, 01.10.88

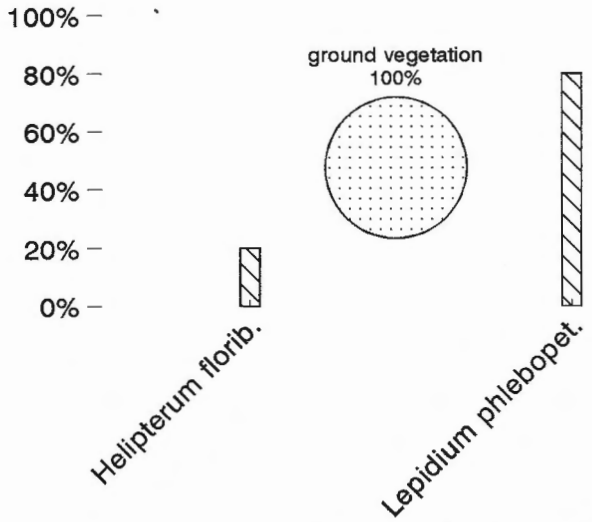


Fig. A8.3: open plain, Todd River Station, 01.10.88
Fig. A8.1-3: quantitative food selection of domestic dromedaries

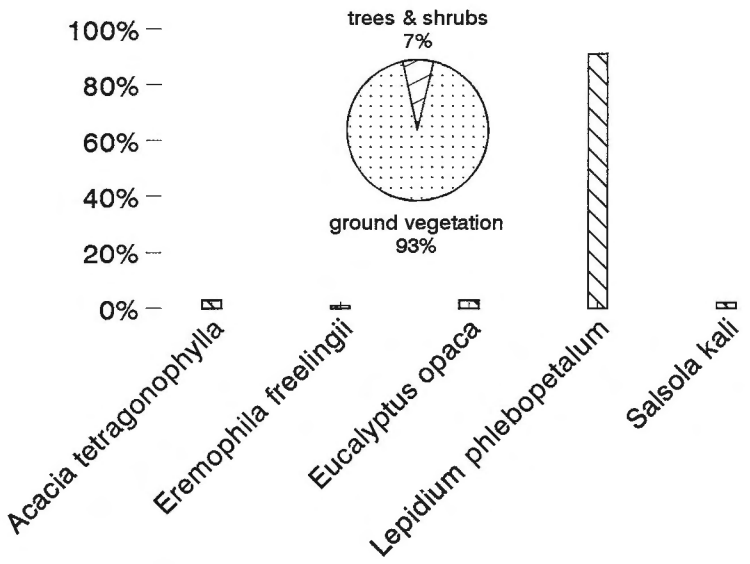


Fig. A8.4: valley in the hills, Todd River Station, 09.02.89

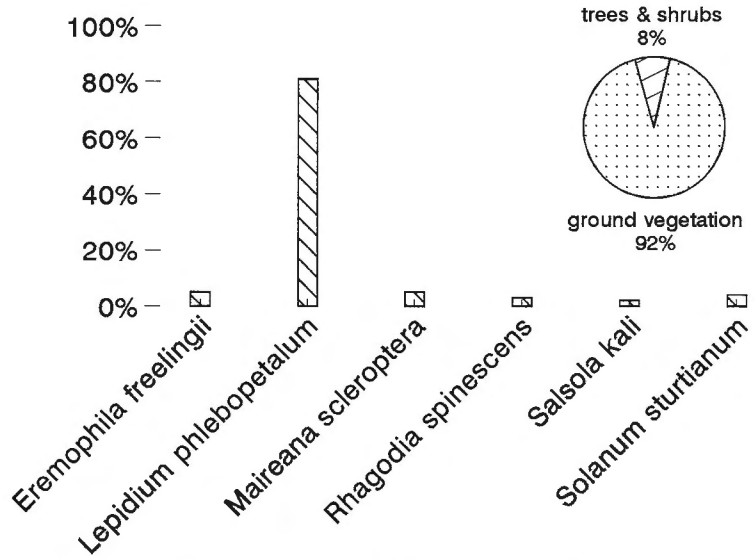


Fig. A8.5: valley in the hills, Todd River Station, 09.02.89

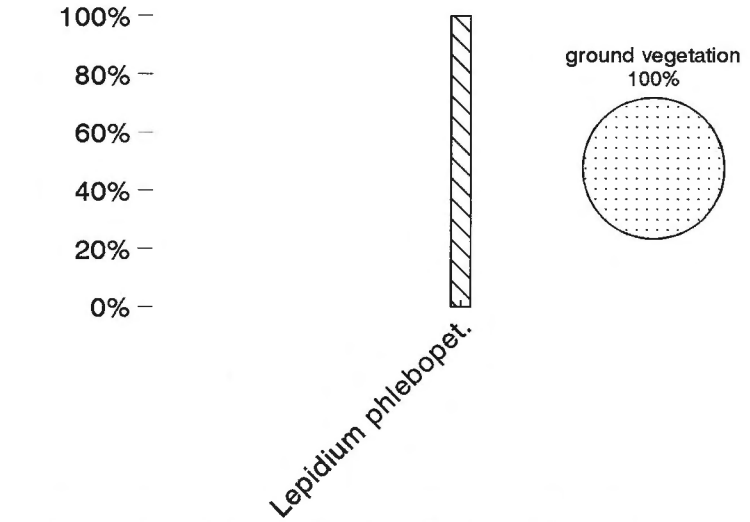


Fig. A8.6: open plain, Todd River Station, 09.02.89
Fig. A8.4-6: quantitative food selection of domestic dromedaries

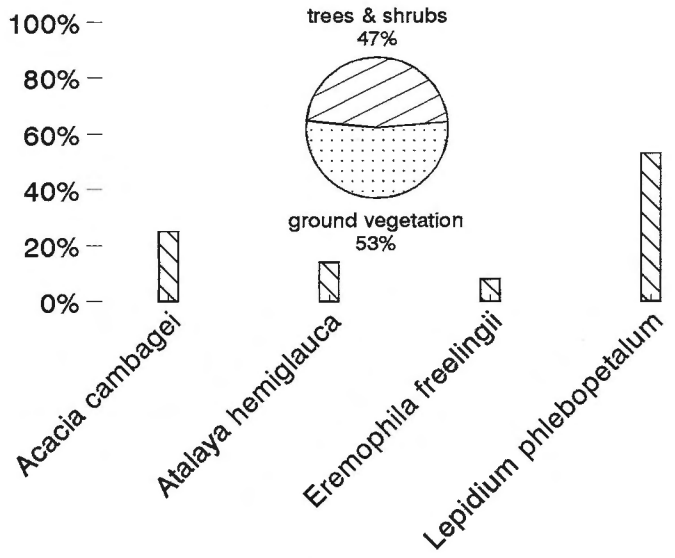


Fig. A8.7: bushland, Todd River Station, 09.02.89

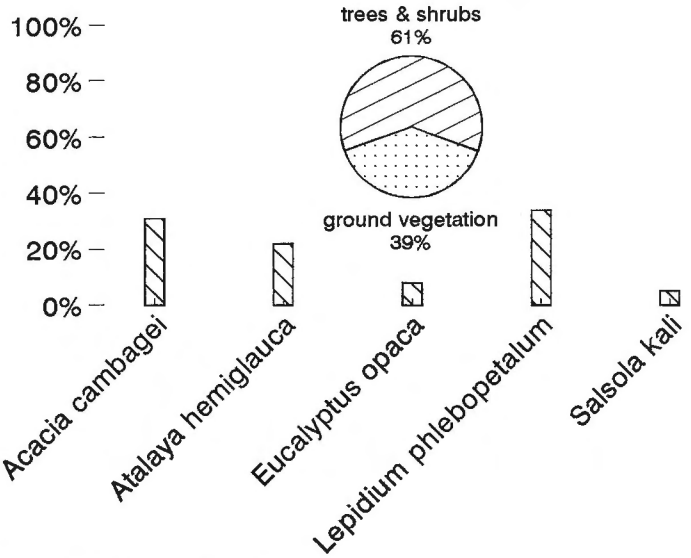


Fig. A8.8: bushland, Todd River Station, 09.02.89

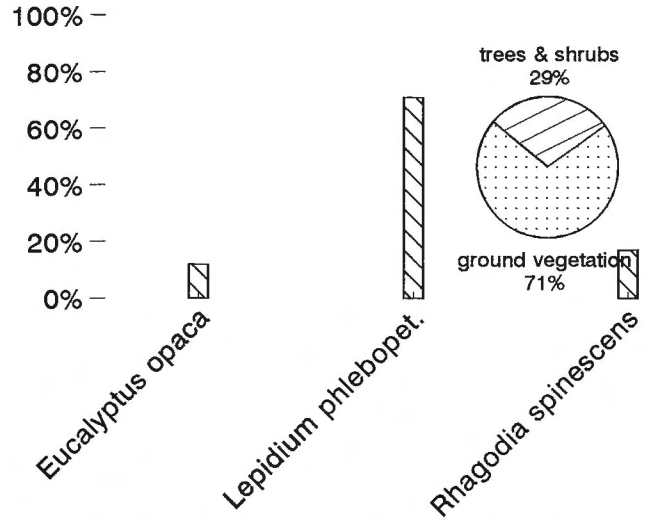


Fig. A8.9: valley in the hills, Todd River Station, 09.02.89
Fig. A8.7-9: quantitative food selection of domestic dromedaries

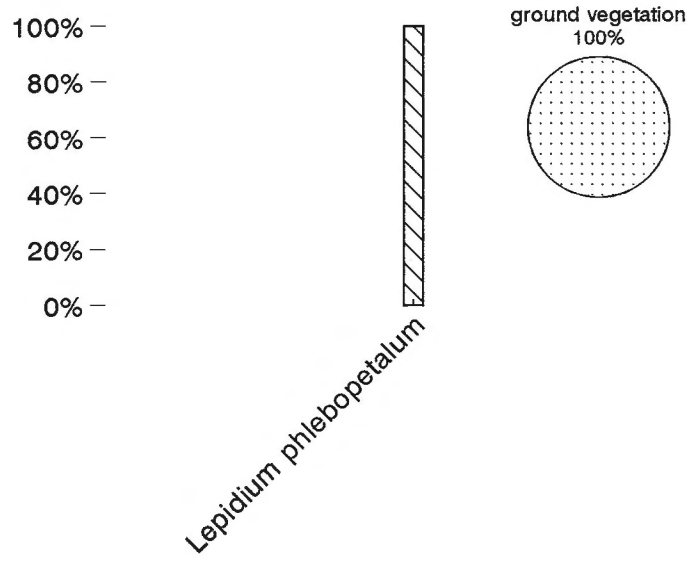


Fig. A8.10: open plain, Todd River Station, 31.07.89

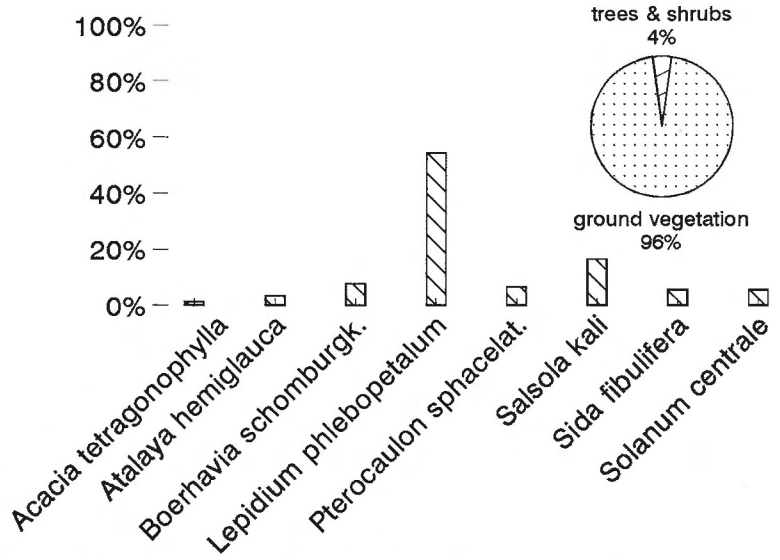


Fig. A8.11: bushland, Todd River Station, 31.07.89

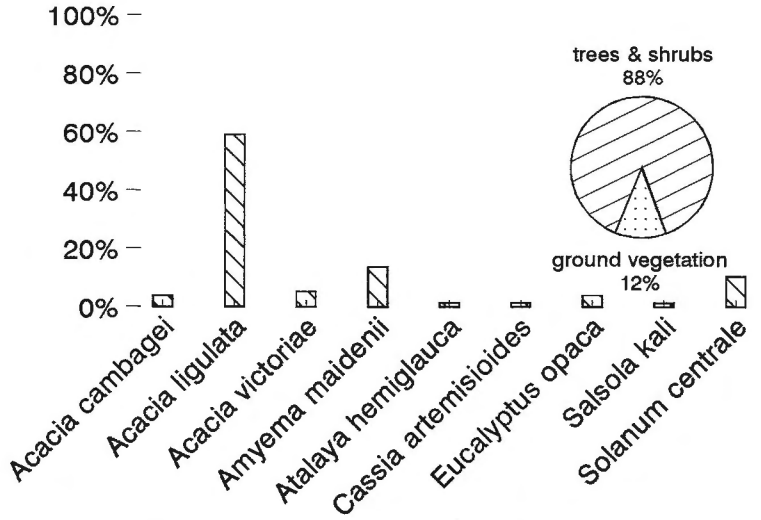


Fig. A8.12: bushland, Todd River Station, 31.07.89
Fig. A8.10-12: quantitative food selection of domestic dromedaries

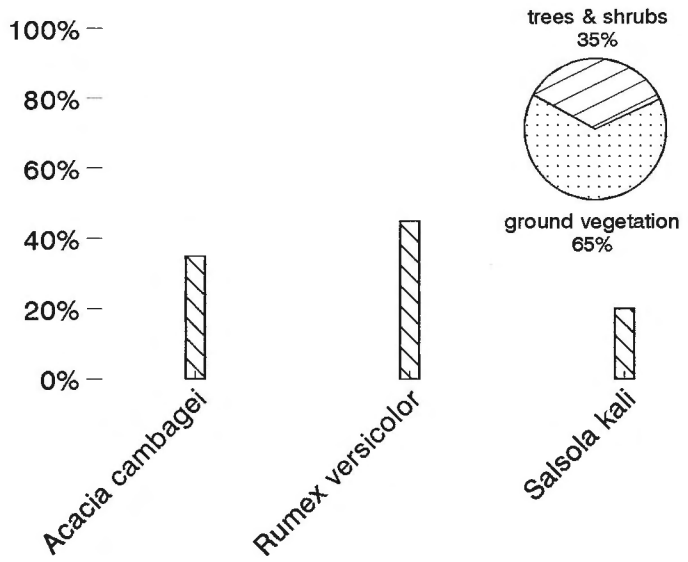


Fig. A8.13: bushland, Ringwood Station, 01.12.88

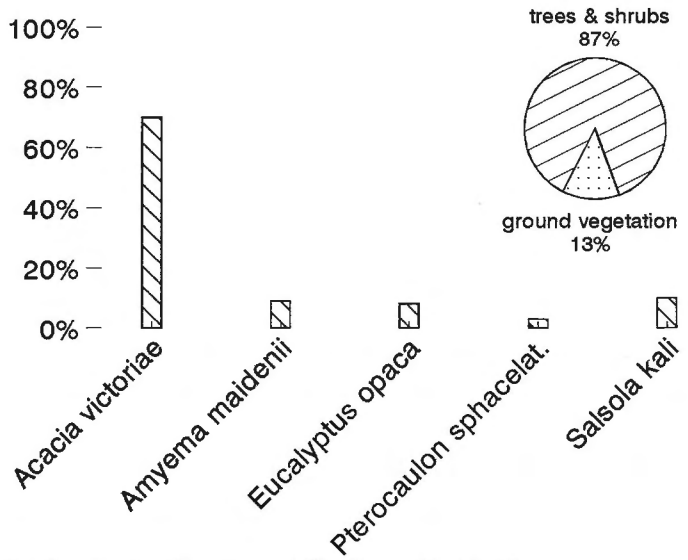


Fig. A8.14: creek, Ringwood Station, 01.12.88

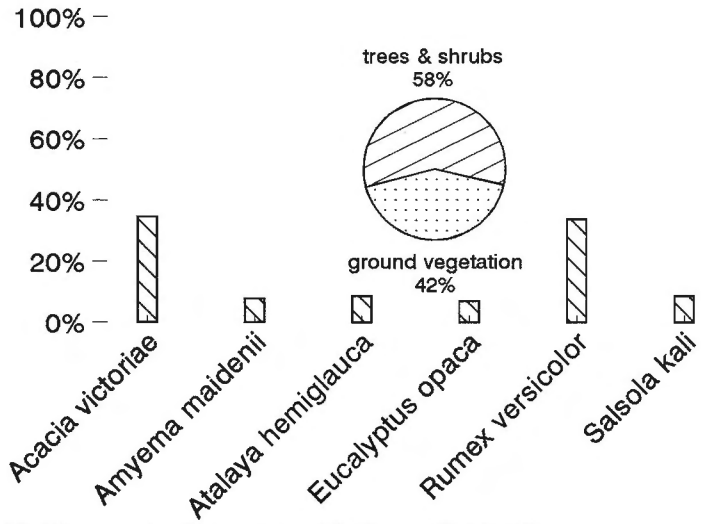


Fig. A8.15: creek, Ringwood Station, 02.12.88
Fig. A8.13-15: quantitative food selection of domestic dromedaries

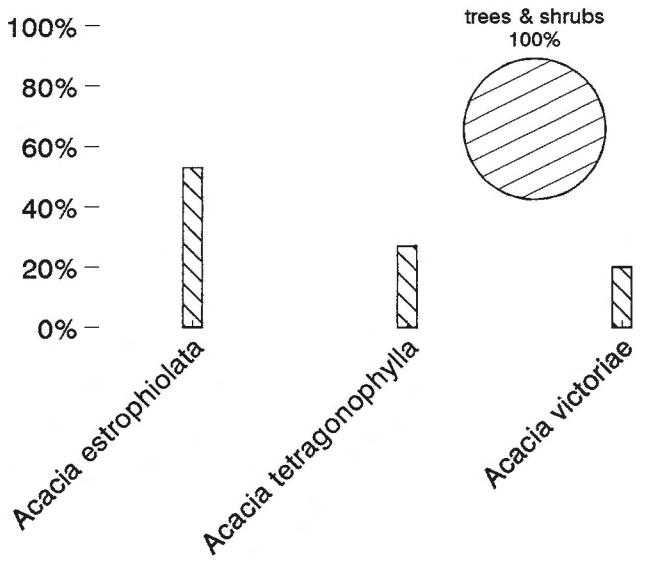


Fig. A8.16: bushland, Ringwood Station, 10.02.89

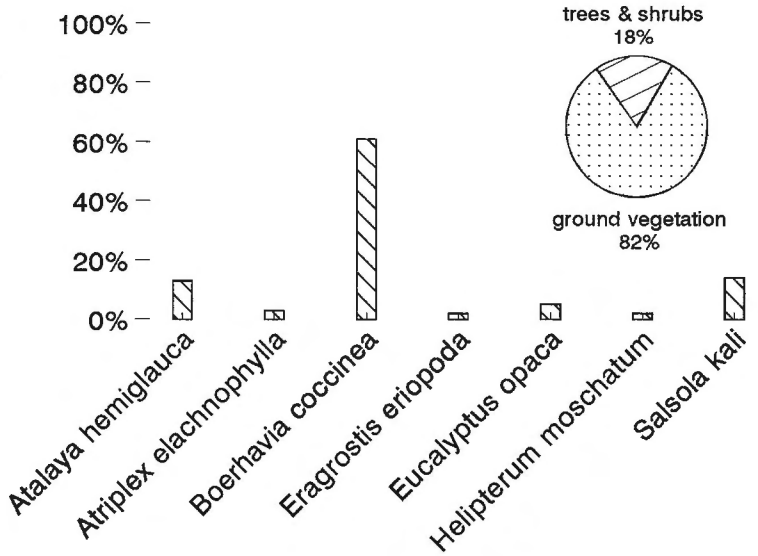


Fig. A8.17: creek, Ringwood Station, 10.02.89

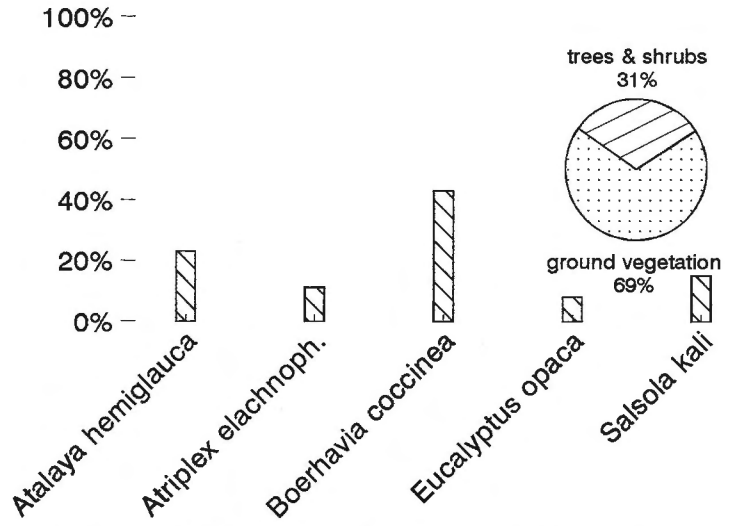
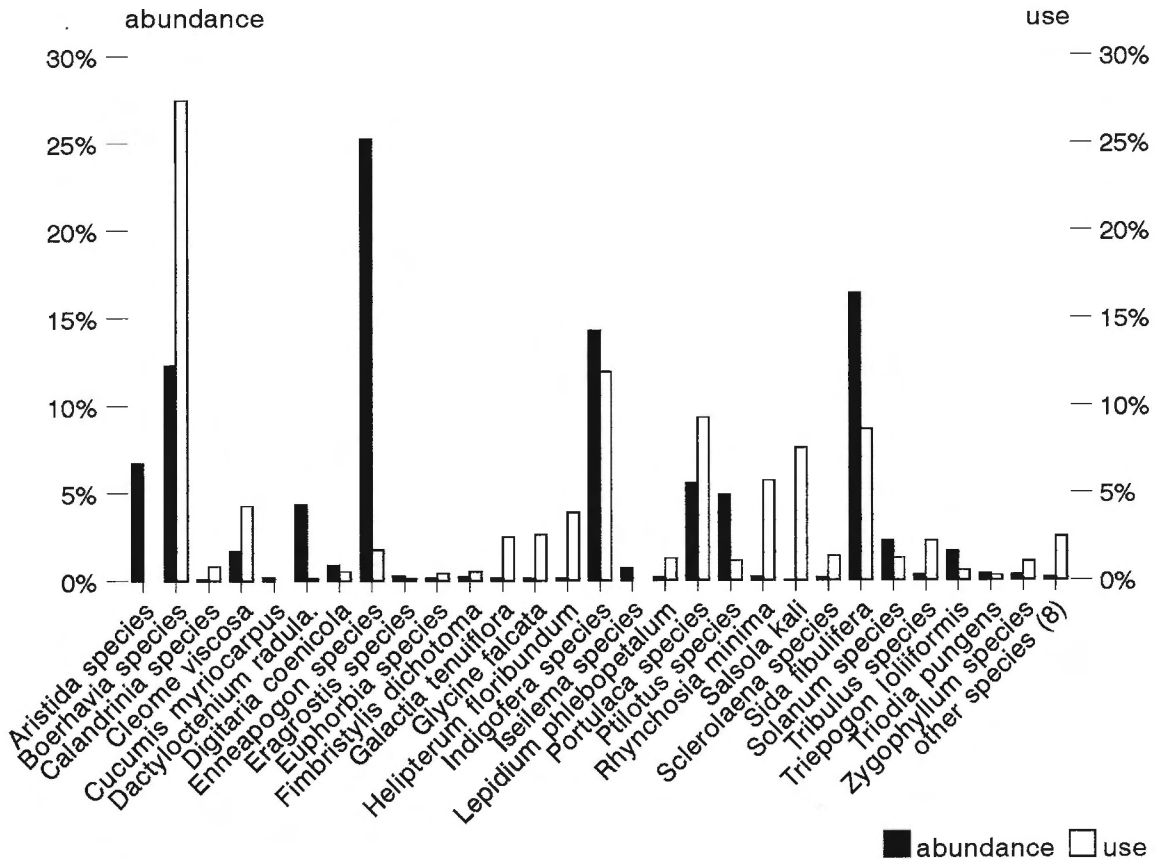
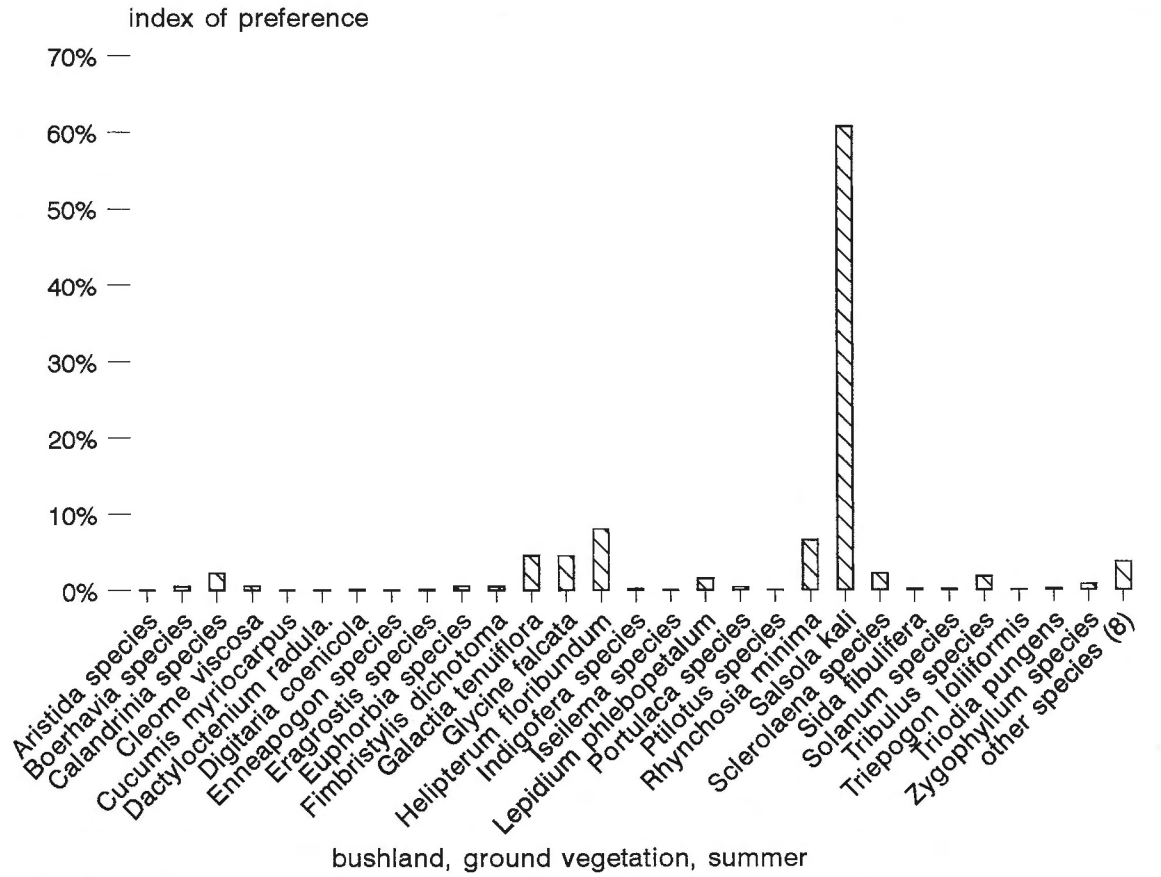


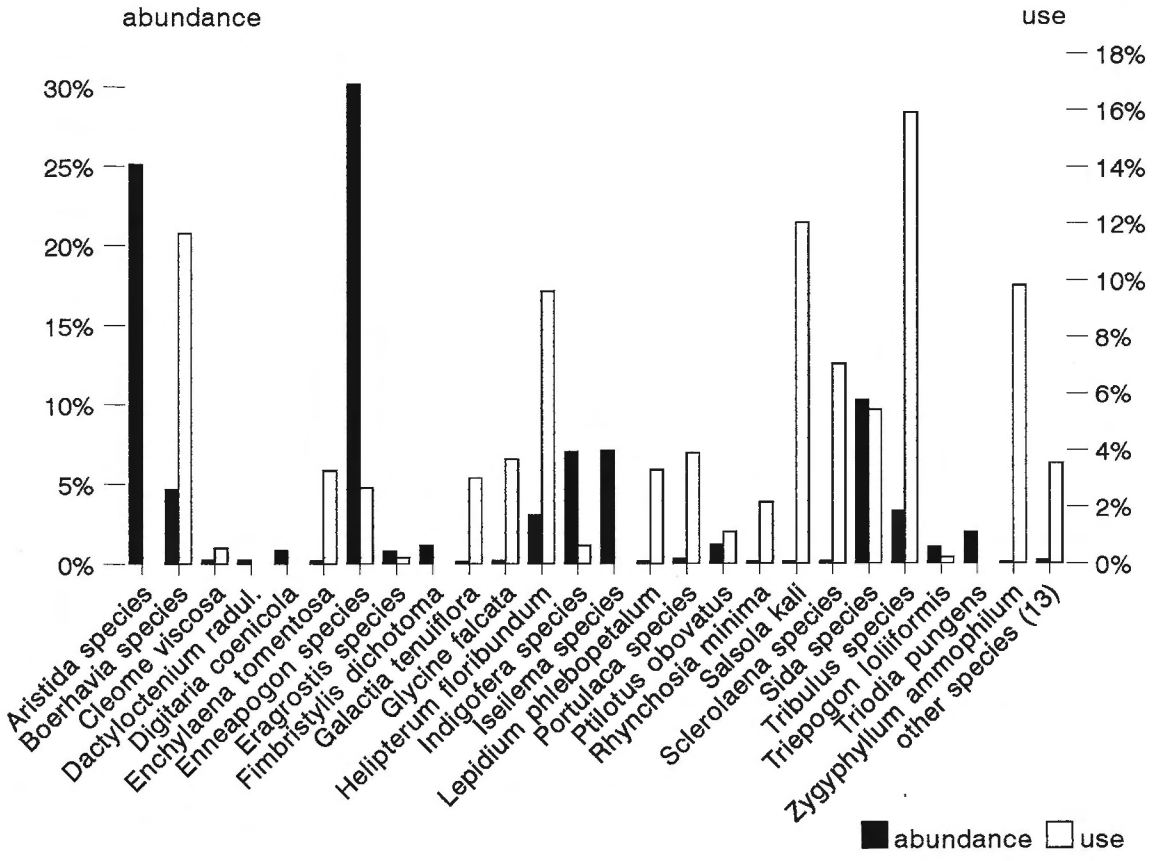
Fig. A8.18: creek, Ringwood Station, 10.02.89
Fig. A8.16-18: quantitative food selection of domestic dromedaries

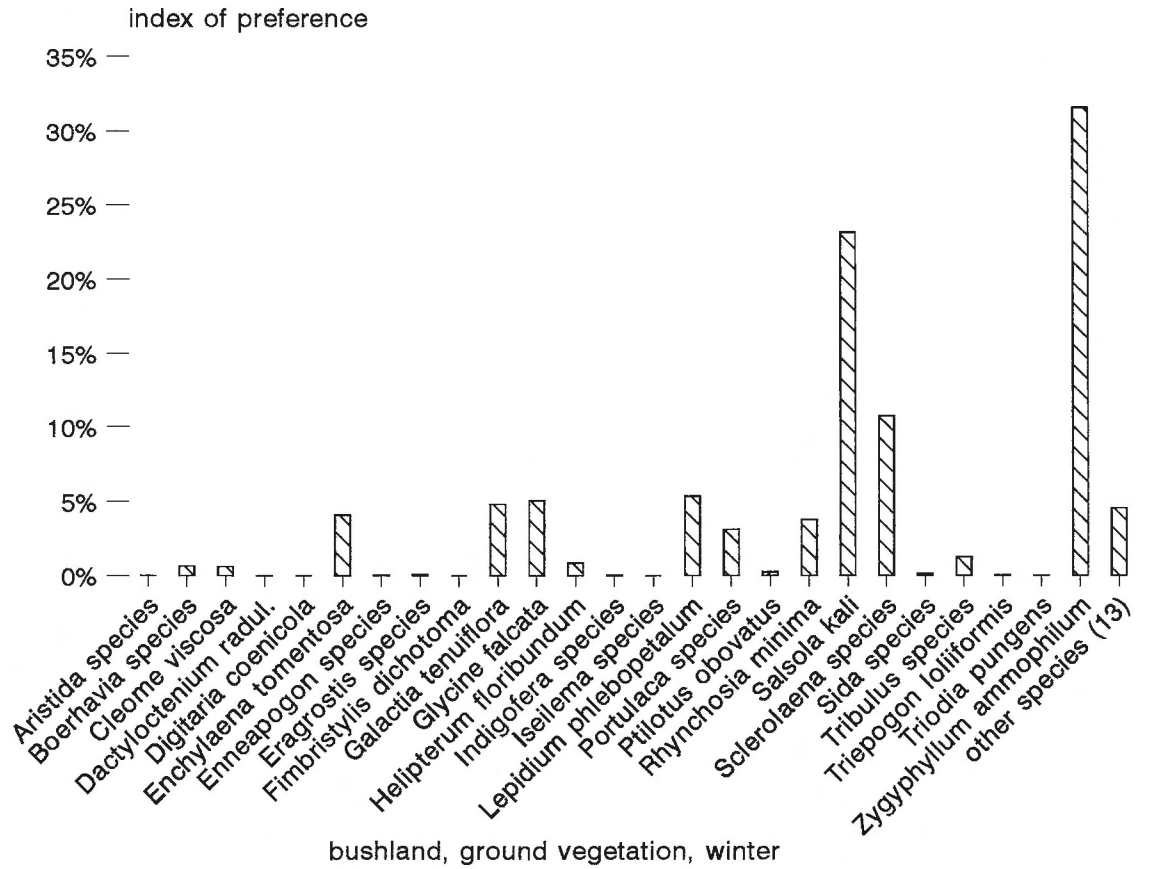




bushland, ground vegetation, summer

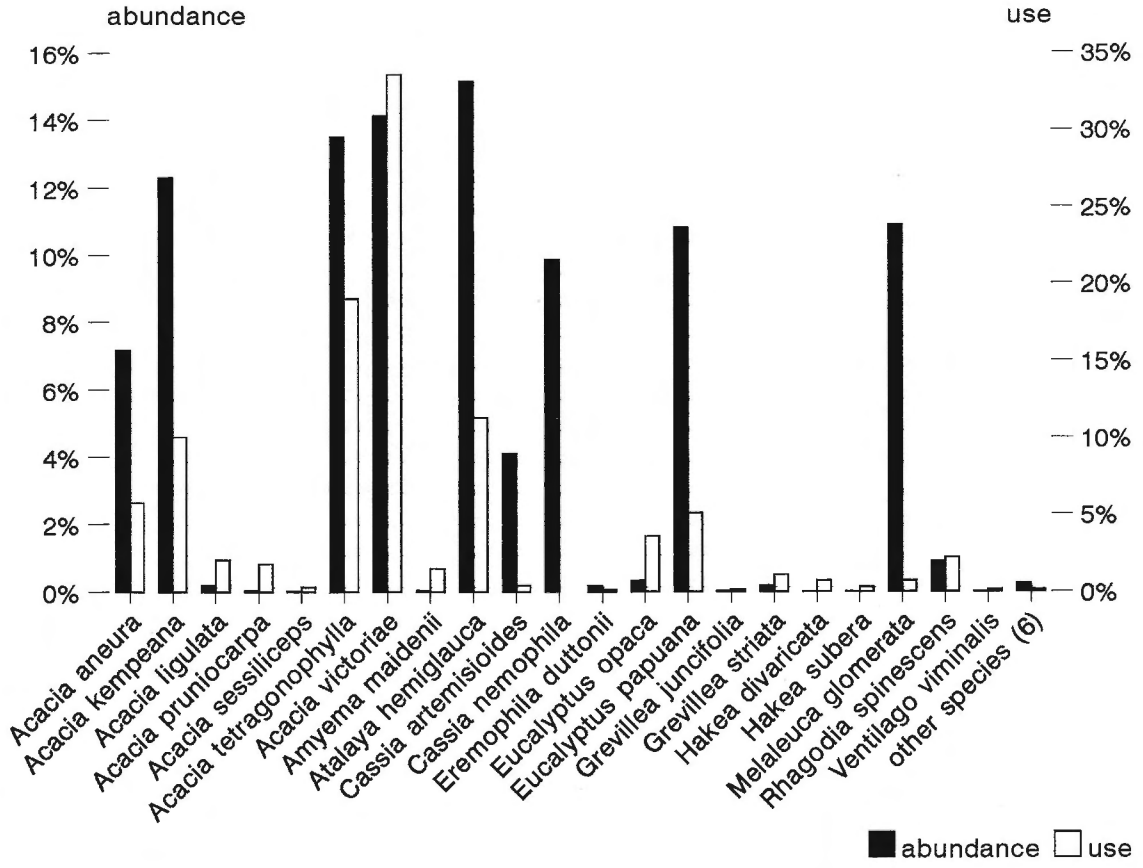
Fig. A9.1a: Comprehensive proportion rate of abundance and use





bushland, ground vegetation, winter

Fig. A9.1b: Comprehensive proportion rate of abundance and use



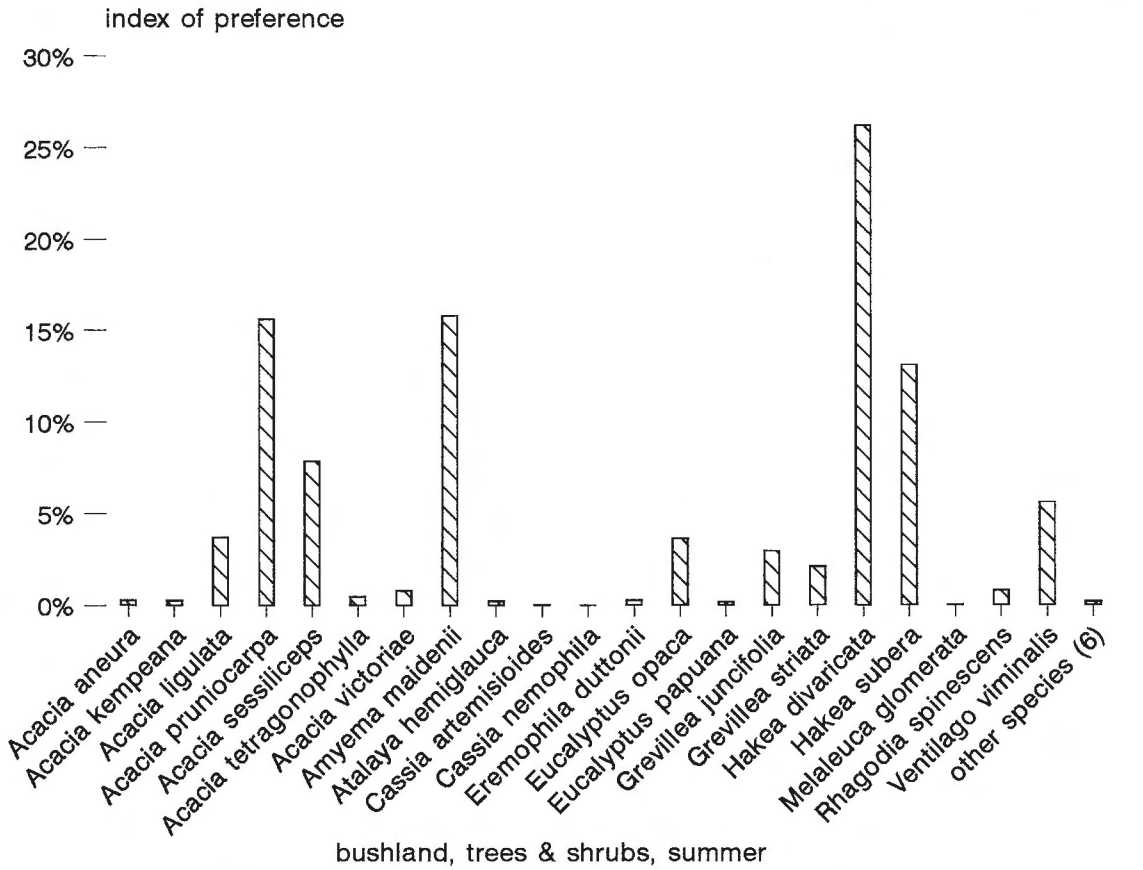


Fig. A9.1c: Comprehensive proportion rate of abundance and use

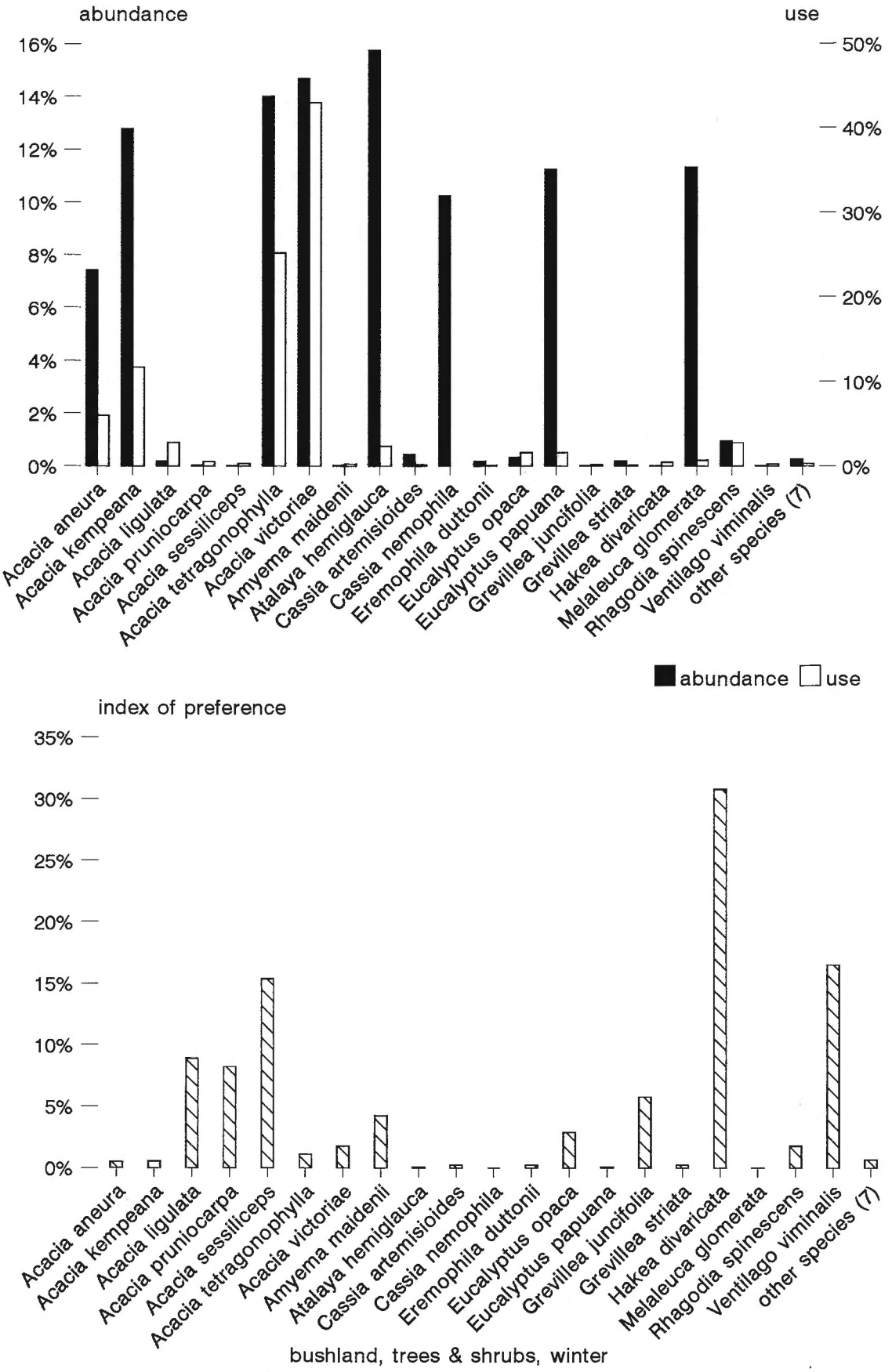
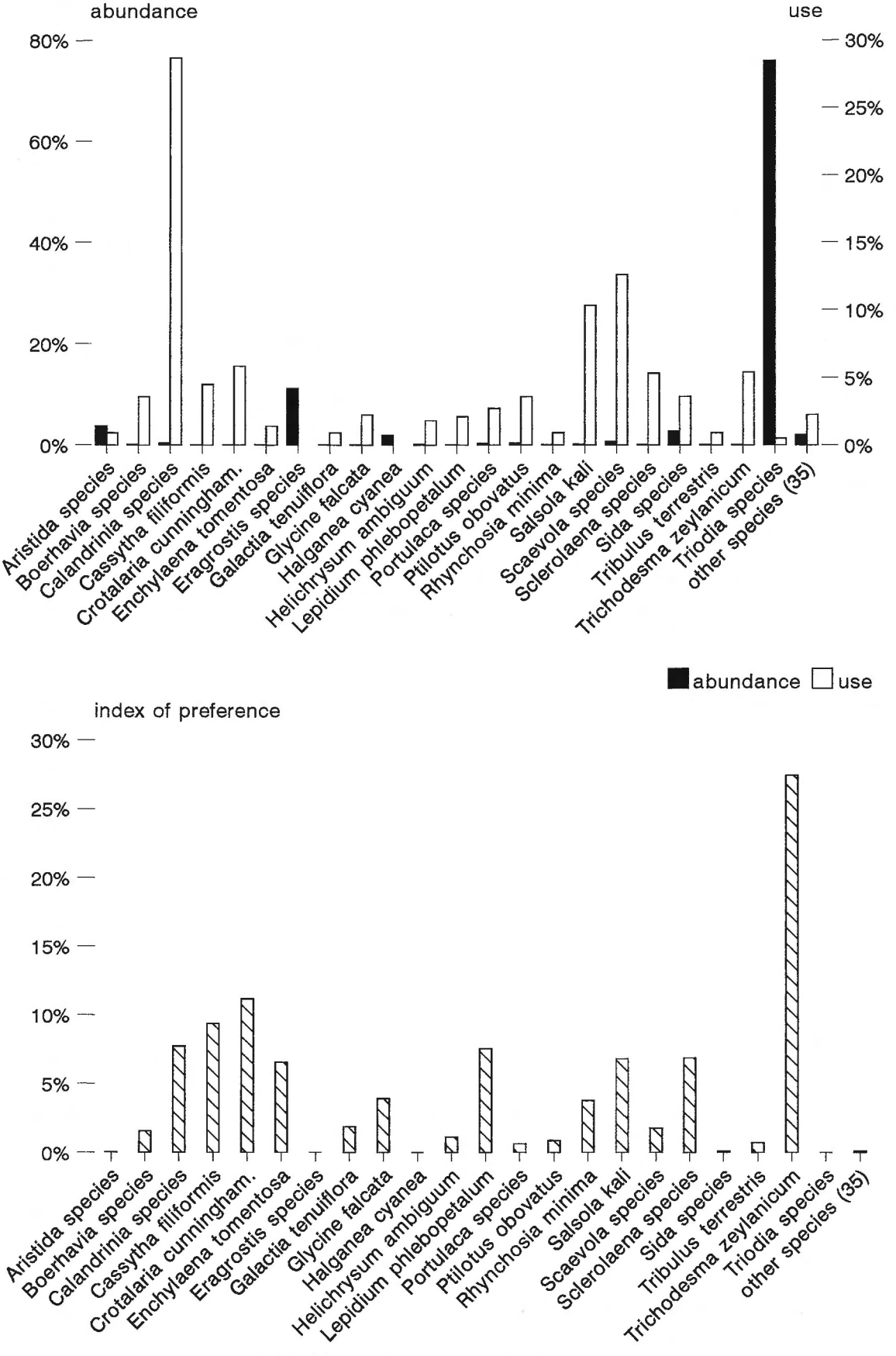
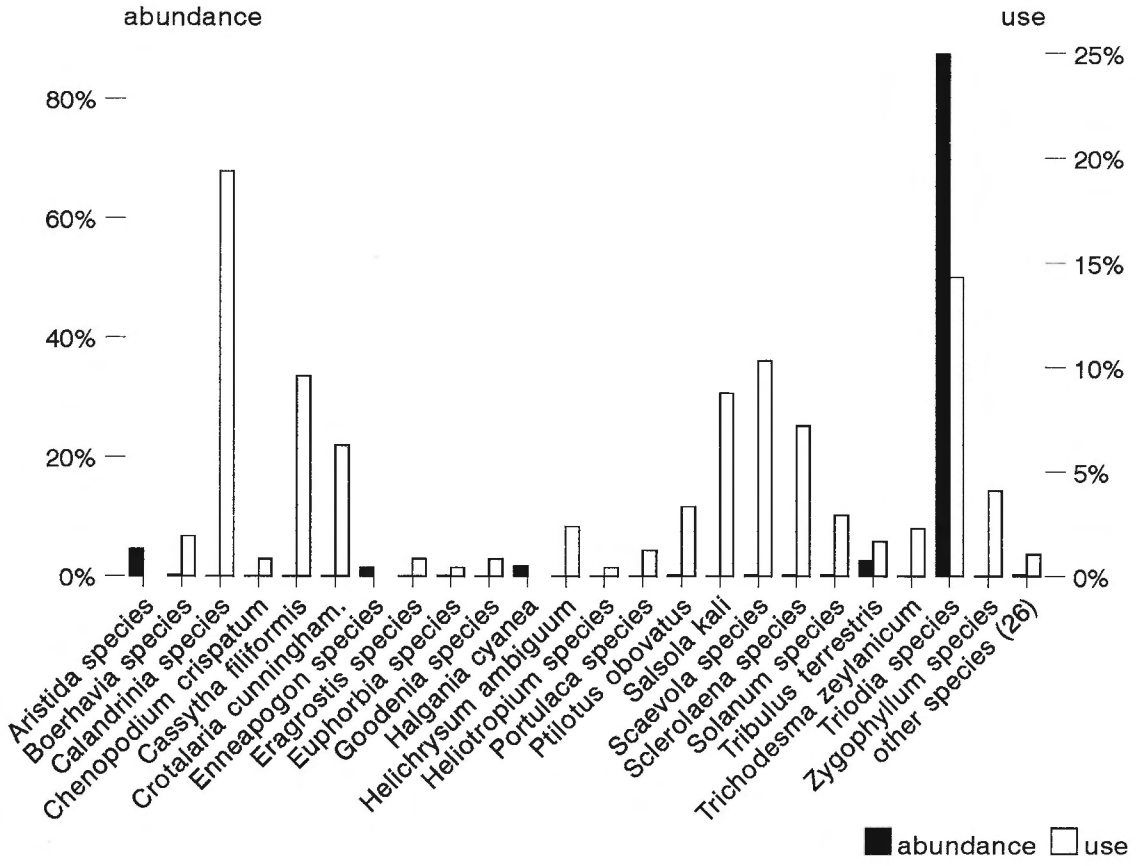


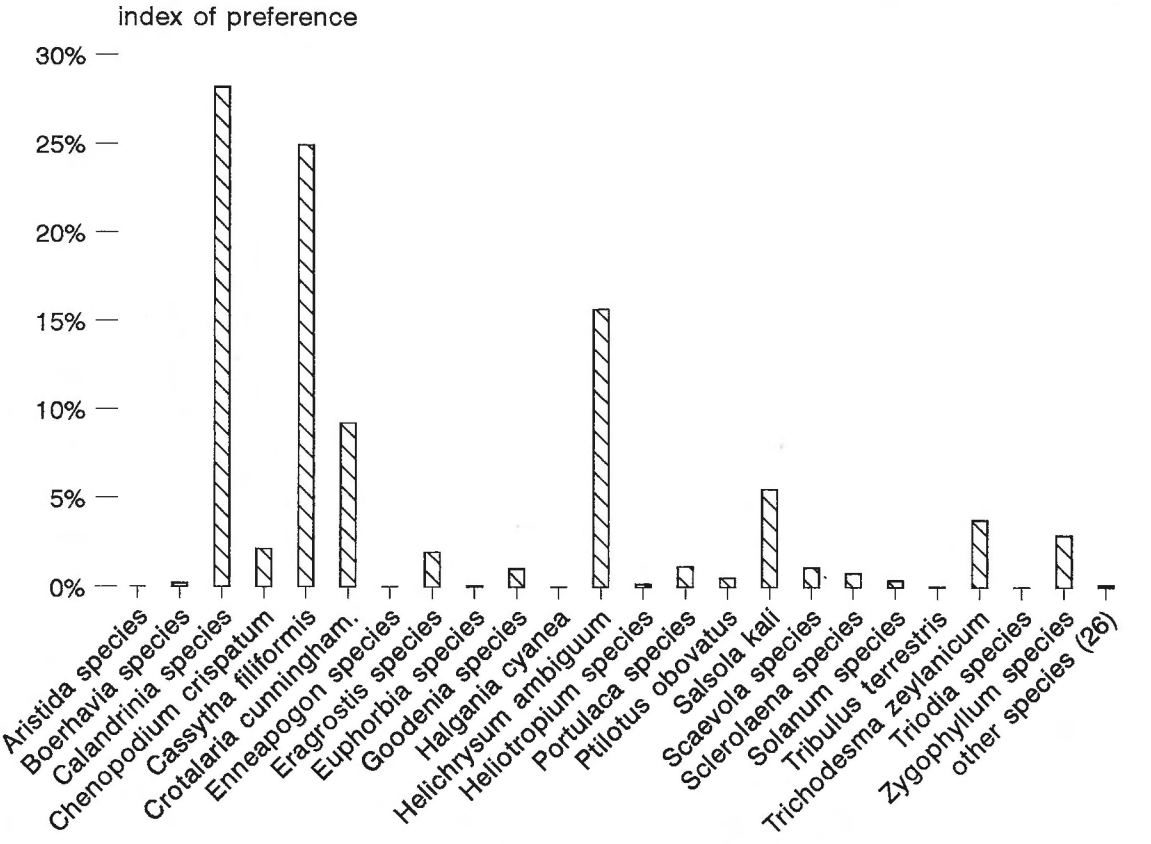
Fig. A9.1d: Comprehensive proportion rate of abundance and use



sandplain/dunes, ground vegetation, summer

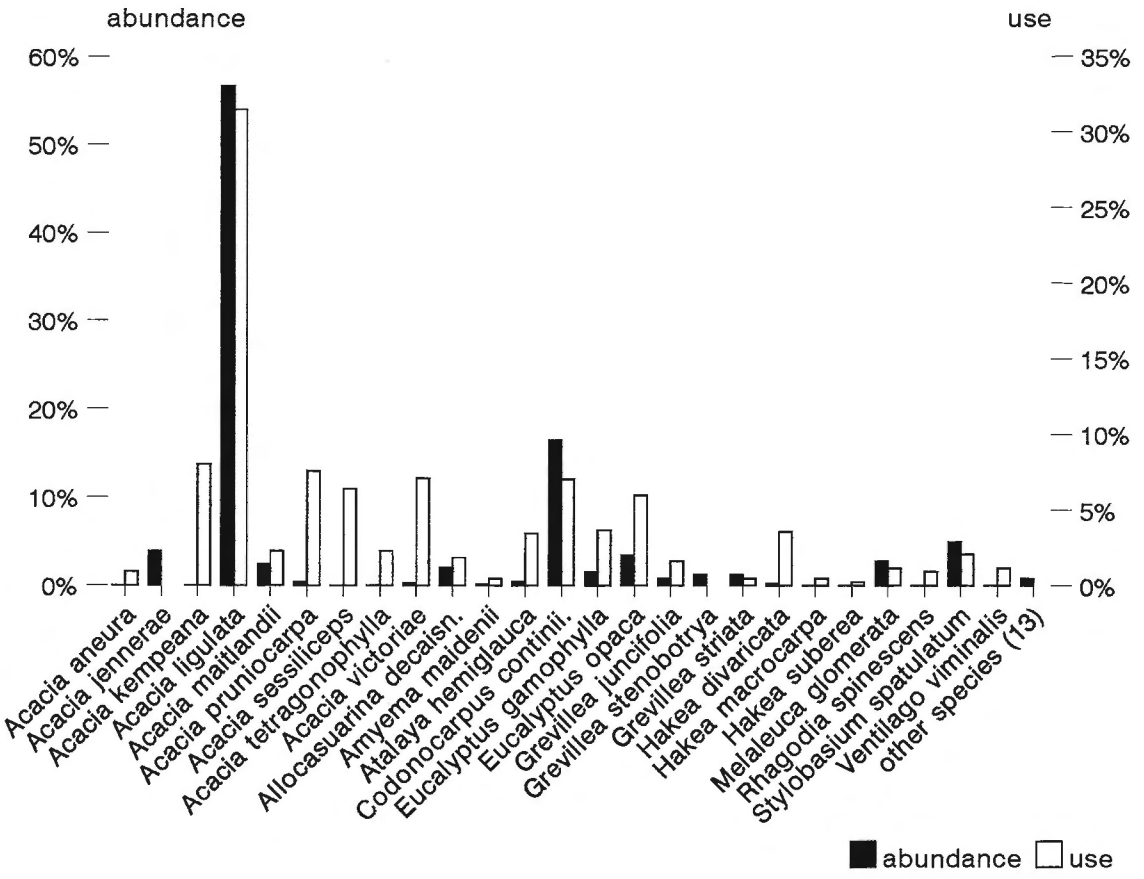
Fig. A9.2a: Comprehensive proportion rate of abundance and use

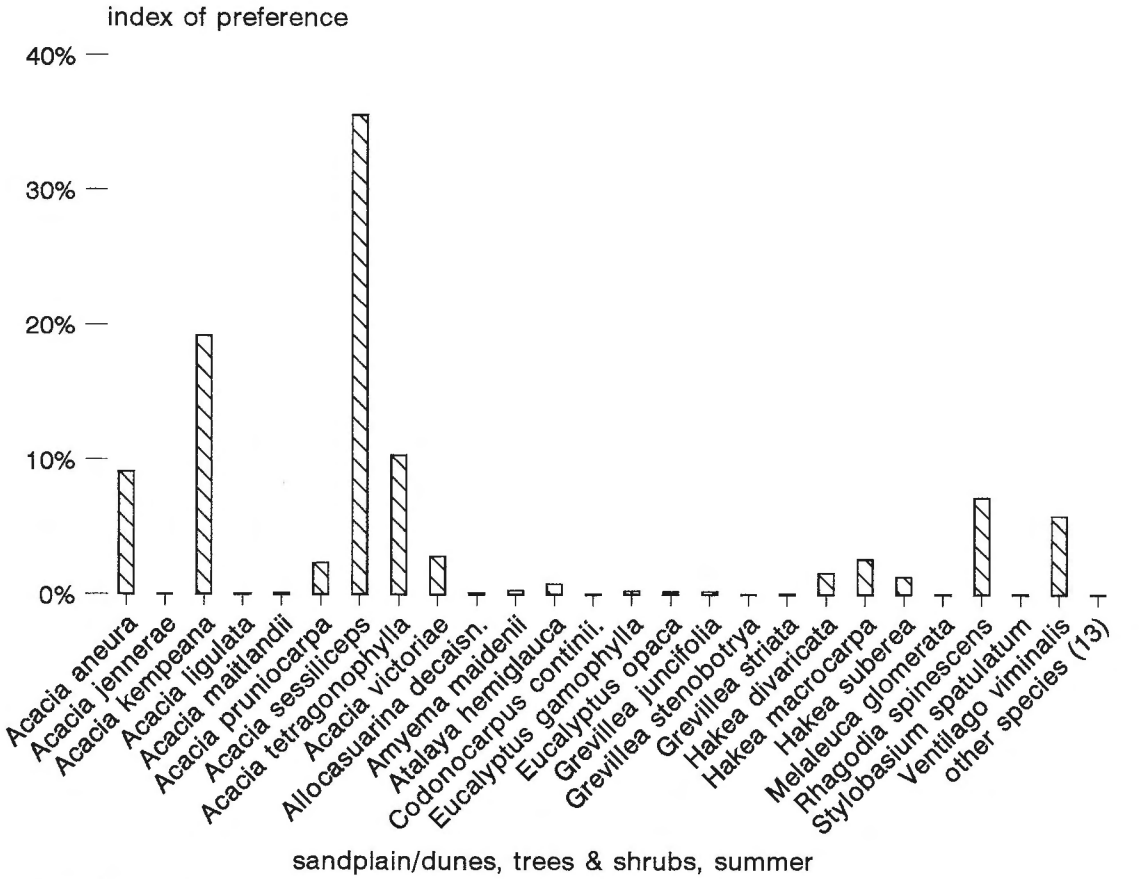




sandplain/dunes, ground vegetation, winter

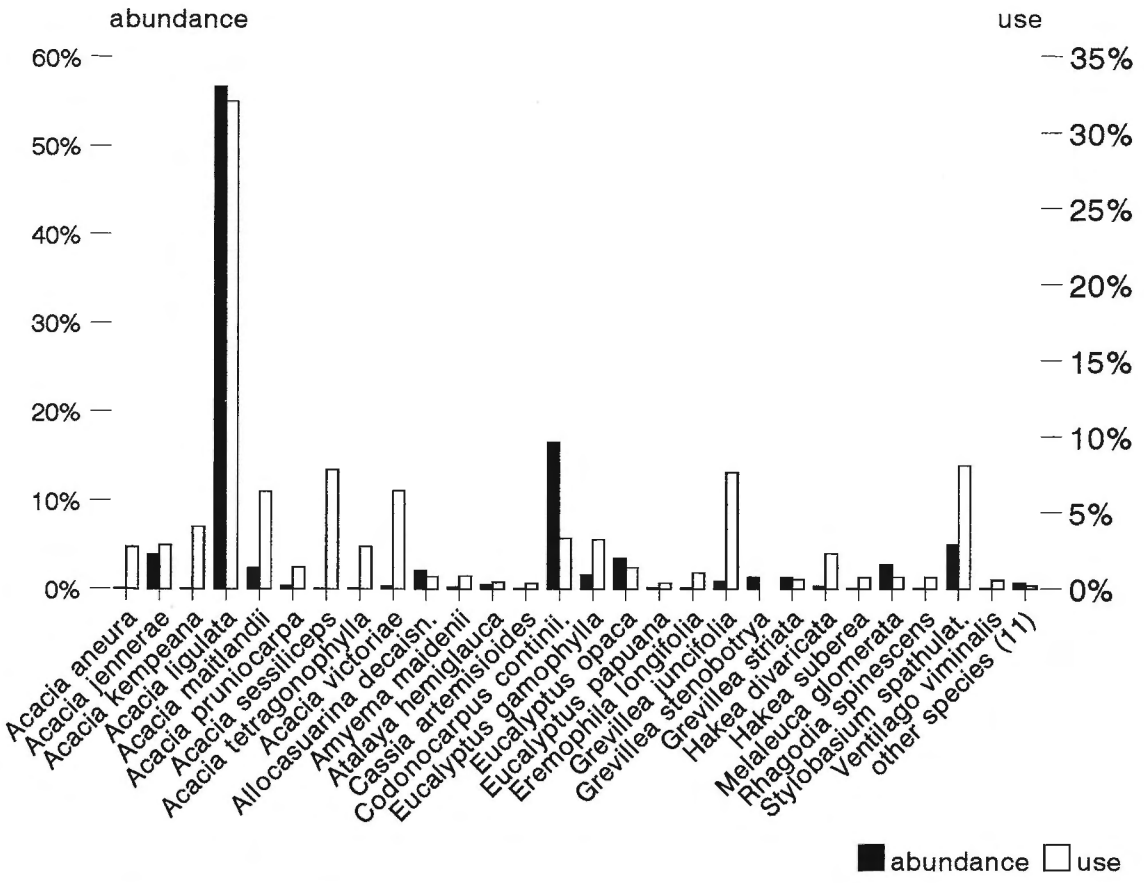
Fig. A9.2b: Comprehensive proportion rate of abundance and use

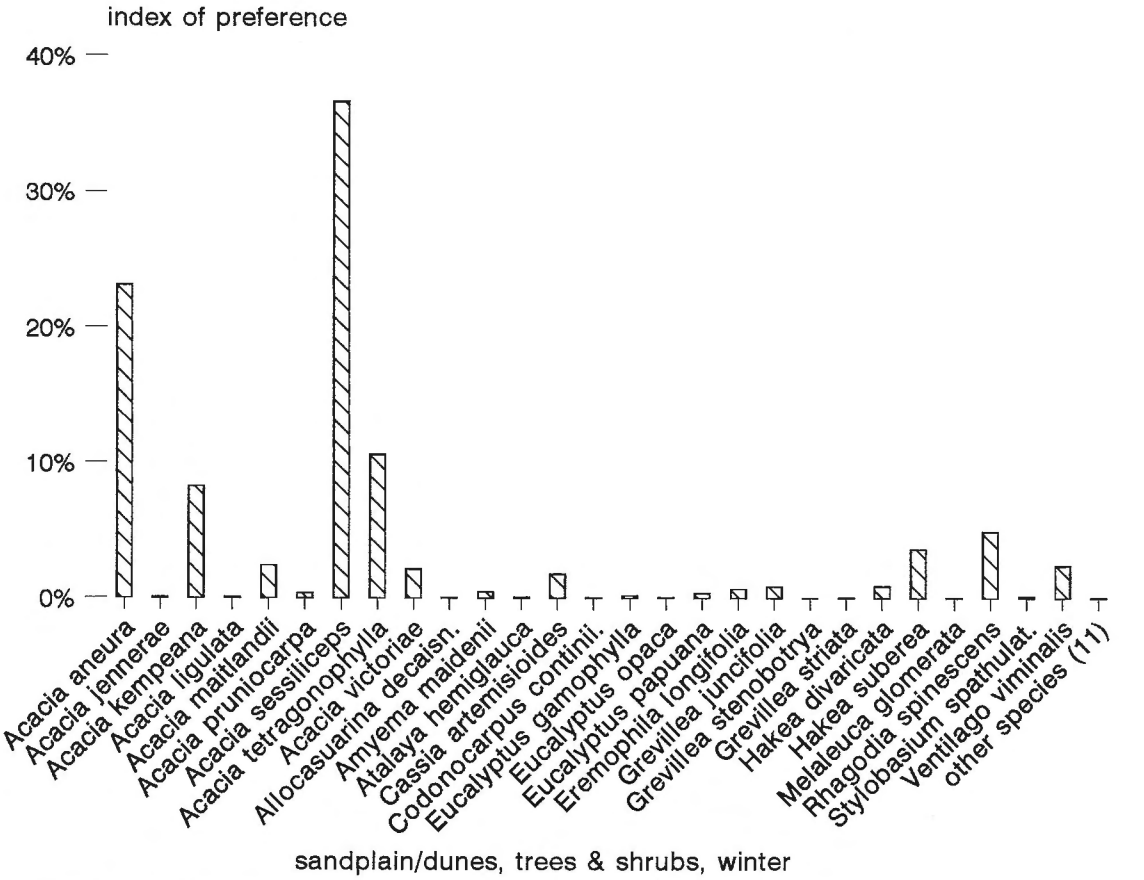




sandplain/dunes, trees & shrubs, summer

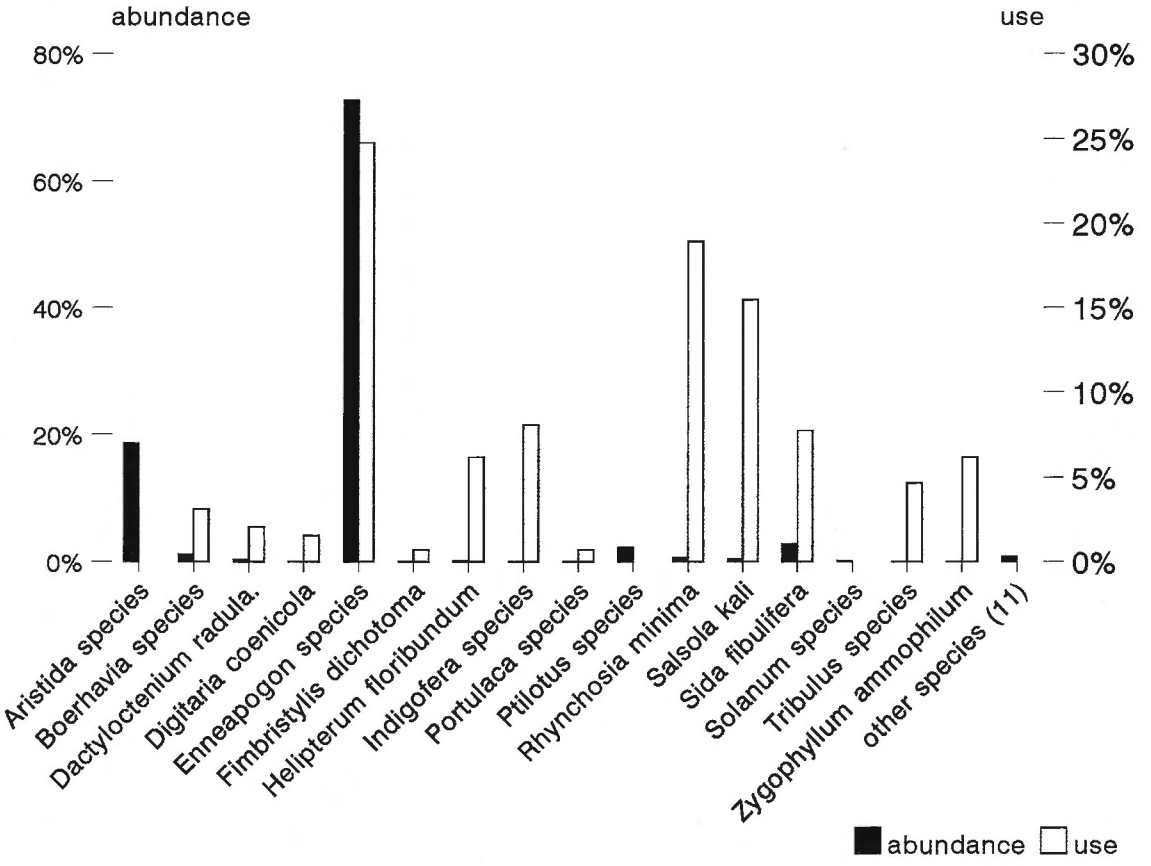
Fig. A9.2c: Comprehensive proportion rate of abundance and use





sandplain/dunes, trees & shrubs, winter

Fig. A9.2d: Comprehensive proportion rate of abundance and use



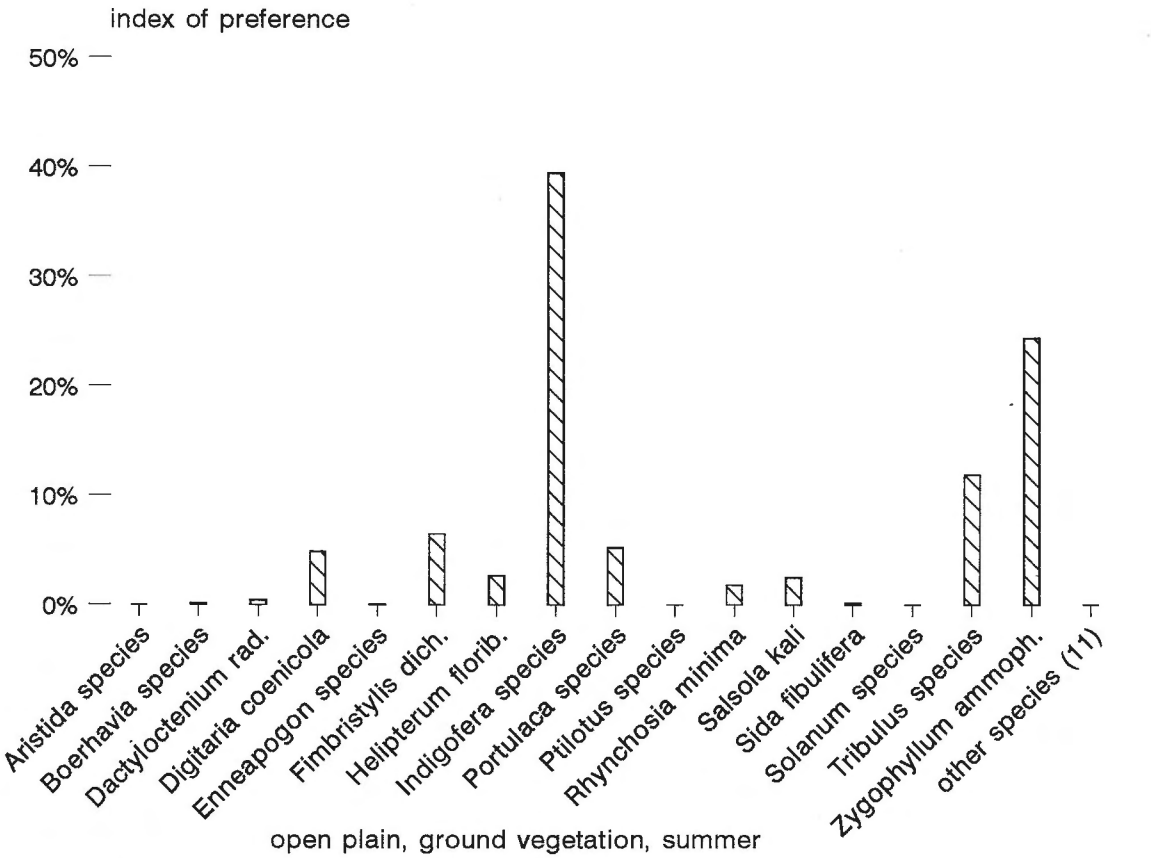
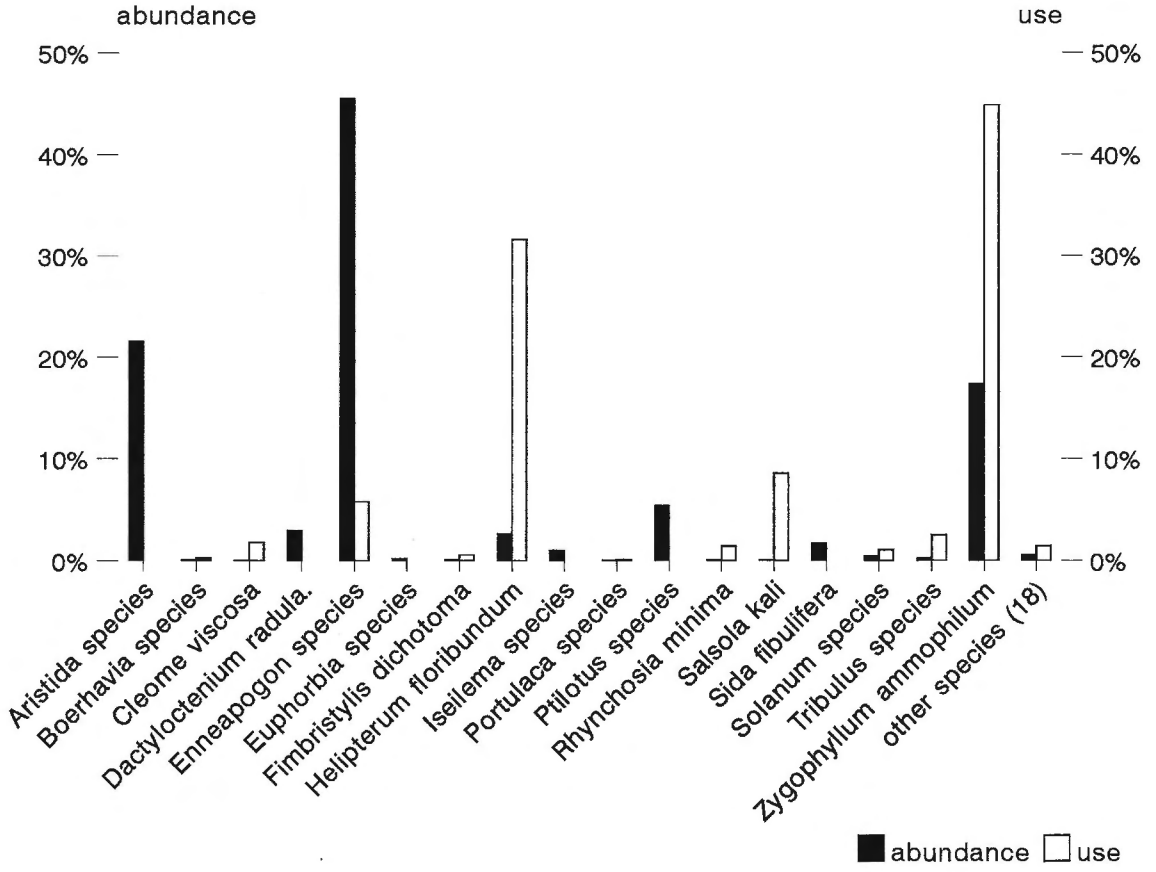
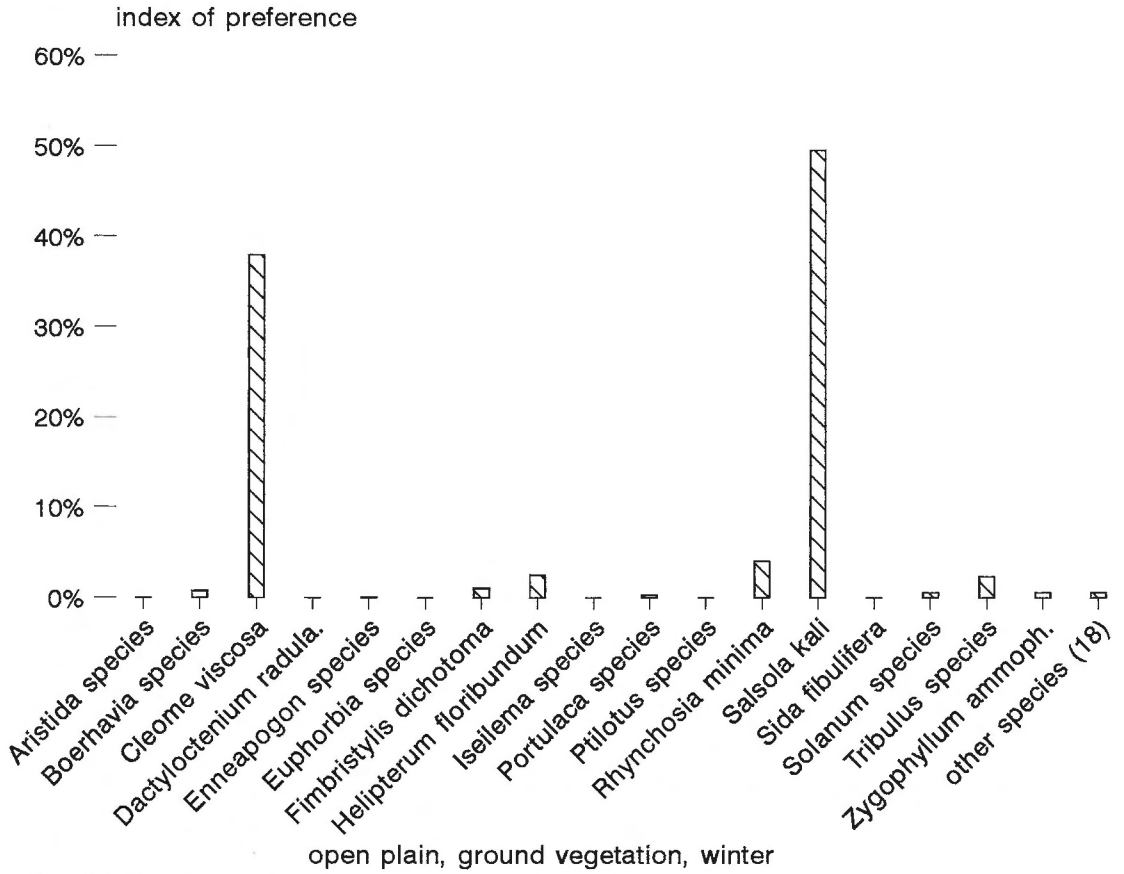


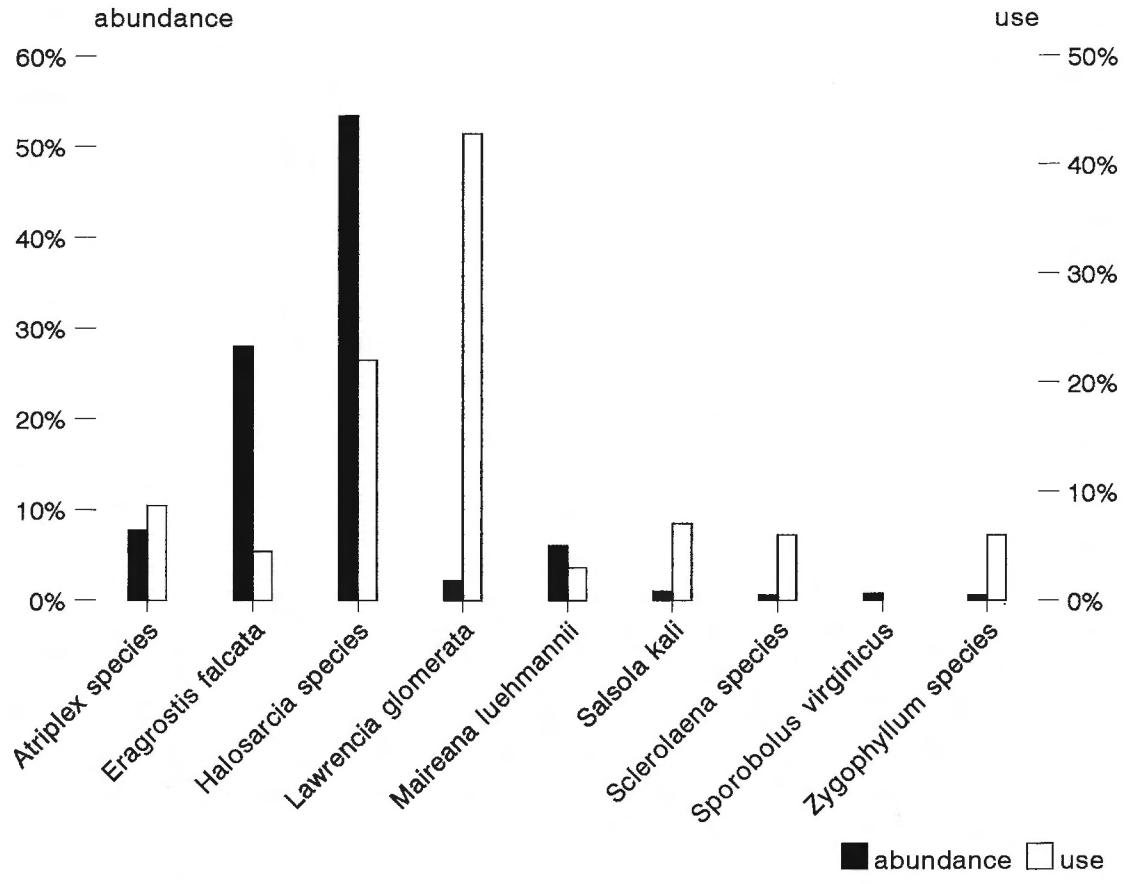
Fig. A9.3a: Comprehensive proportion rate of abundance and use





open plain, ground vegetation, winter

Fig. A9.3b: Comprehensive proportion rate of abundance and use



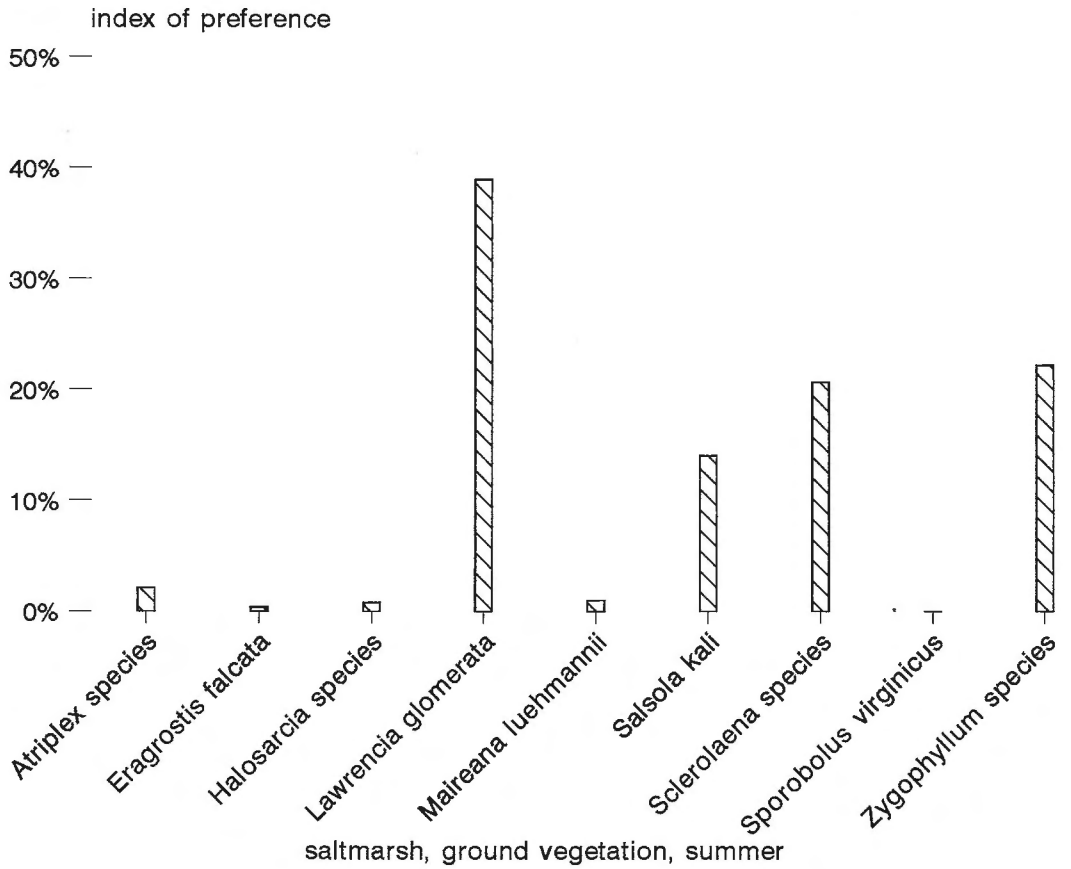
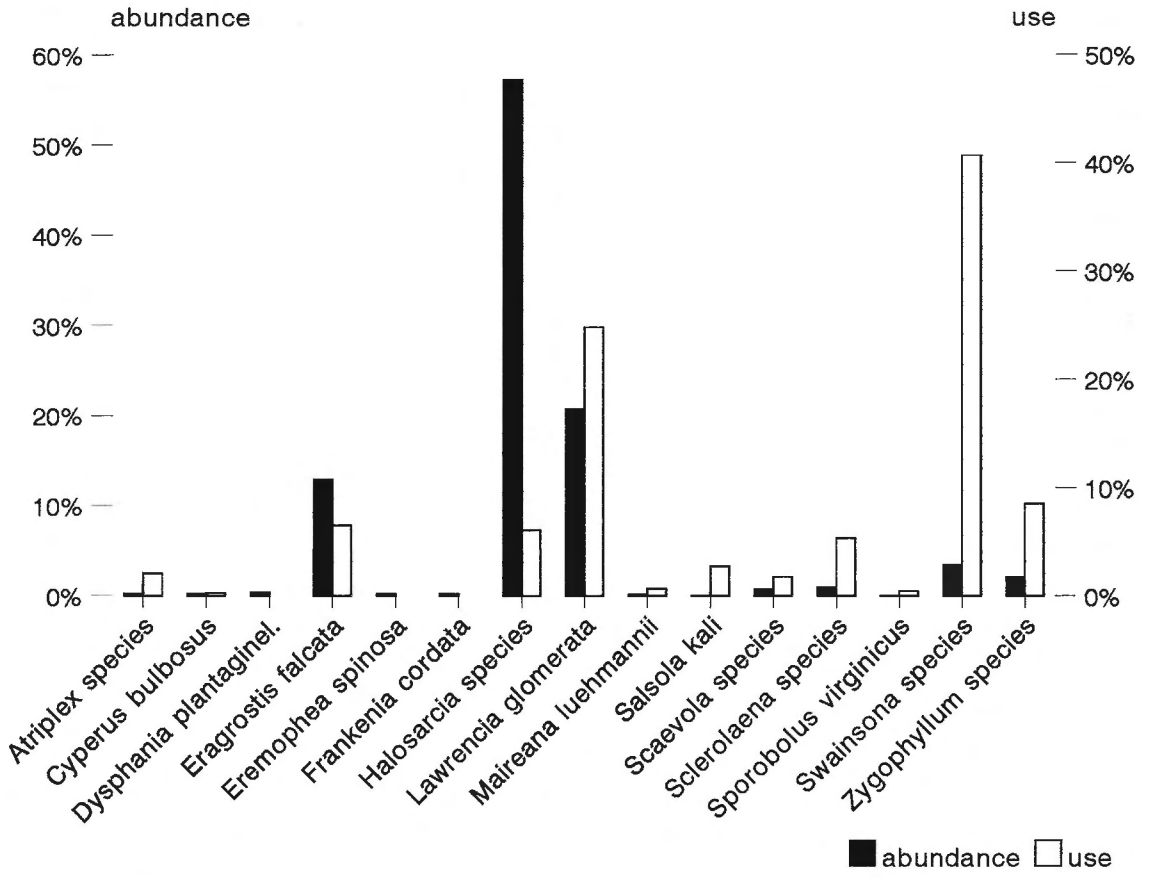
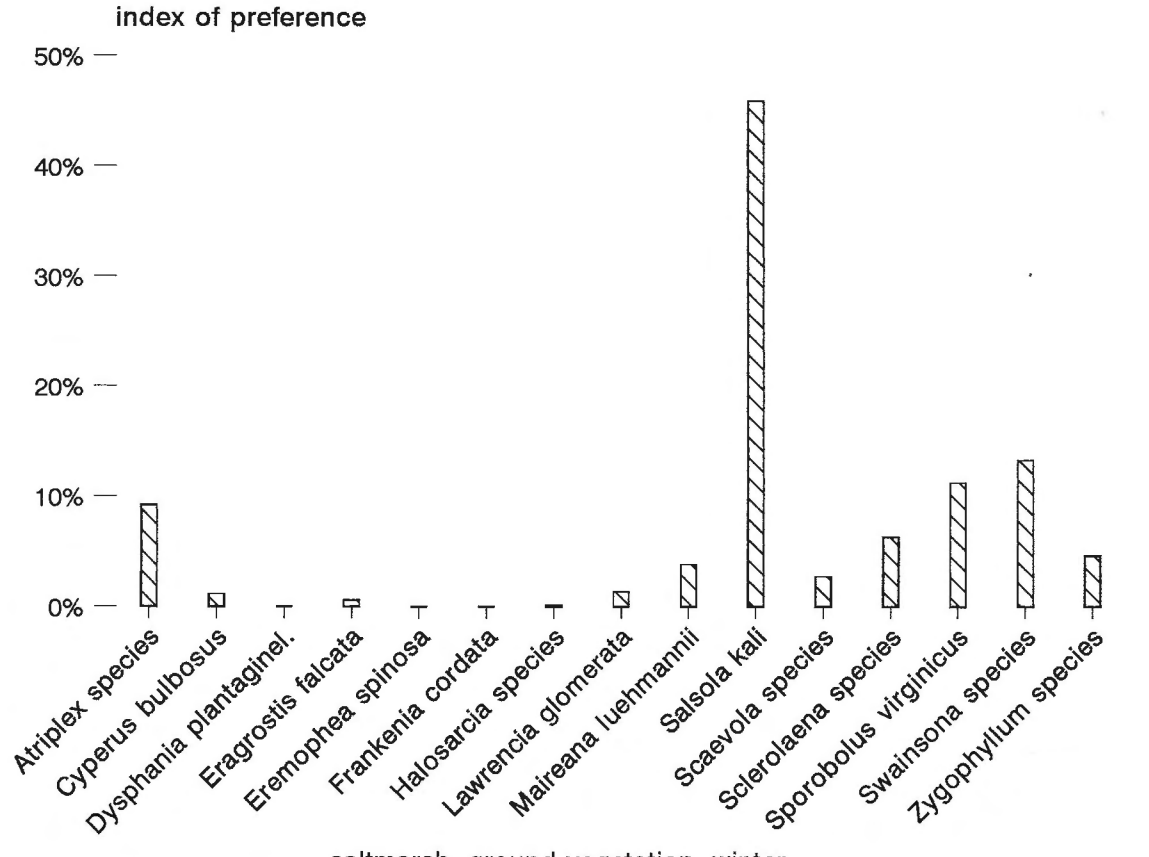


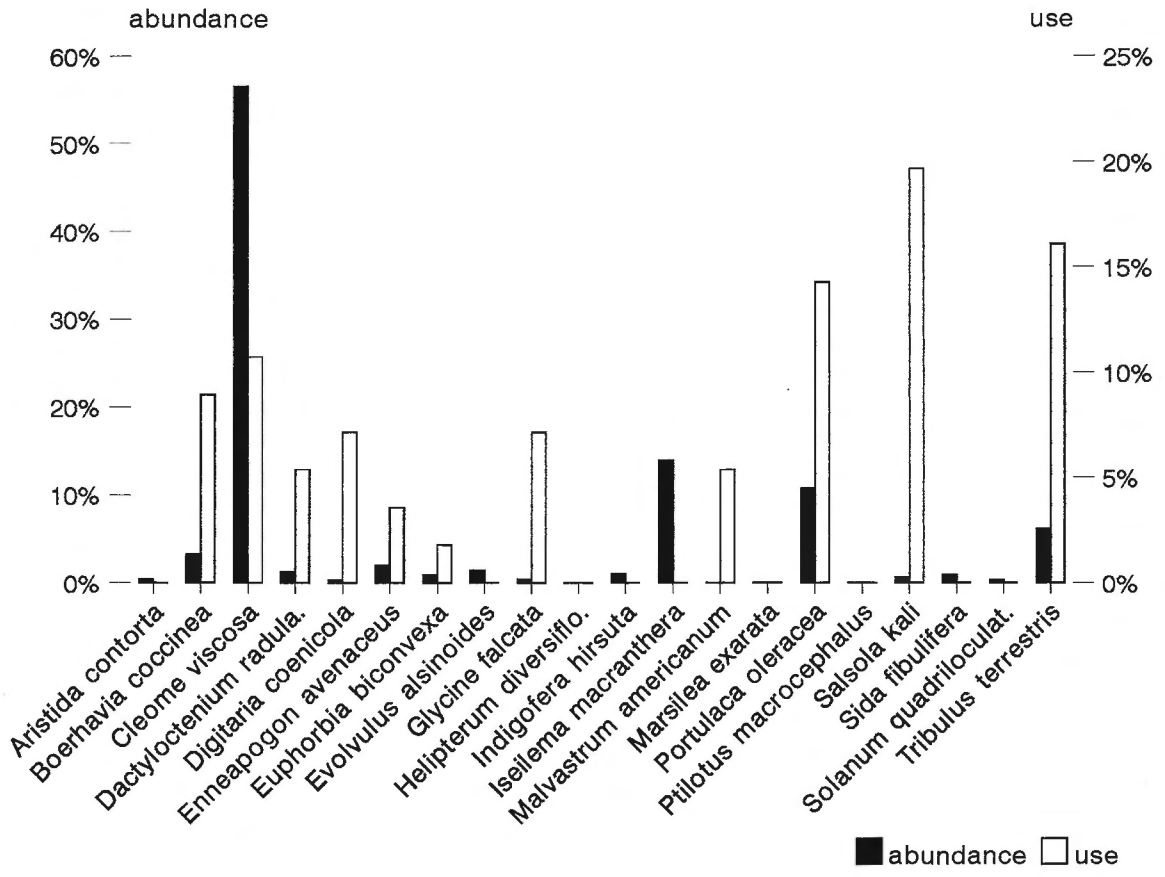
Fig. A9.4a: Comprehensive proportion rate of abundance and use





saltmarsh, ground vegetation, winter

Fig. A9.4b: Comprehensive proportion rate of abundance and use



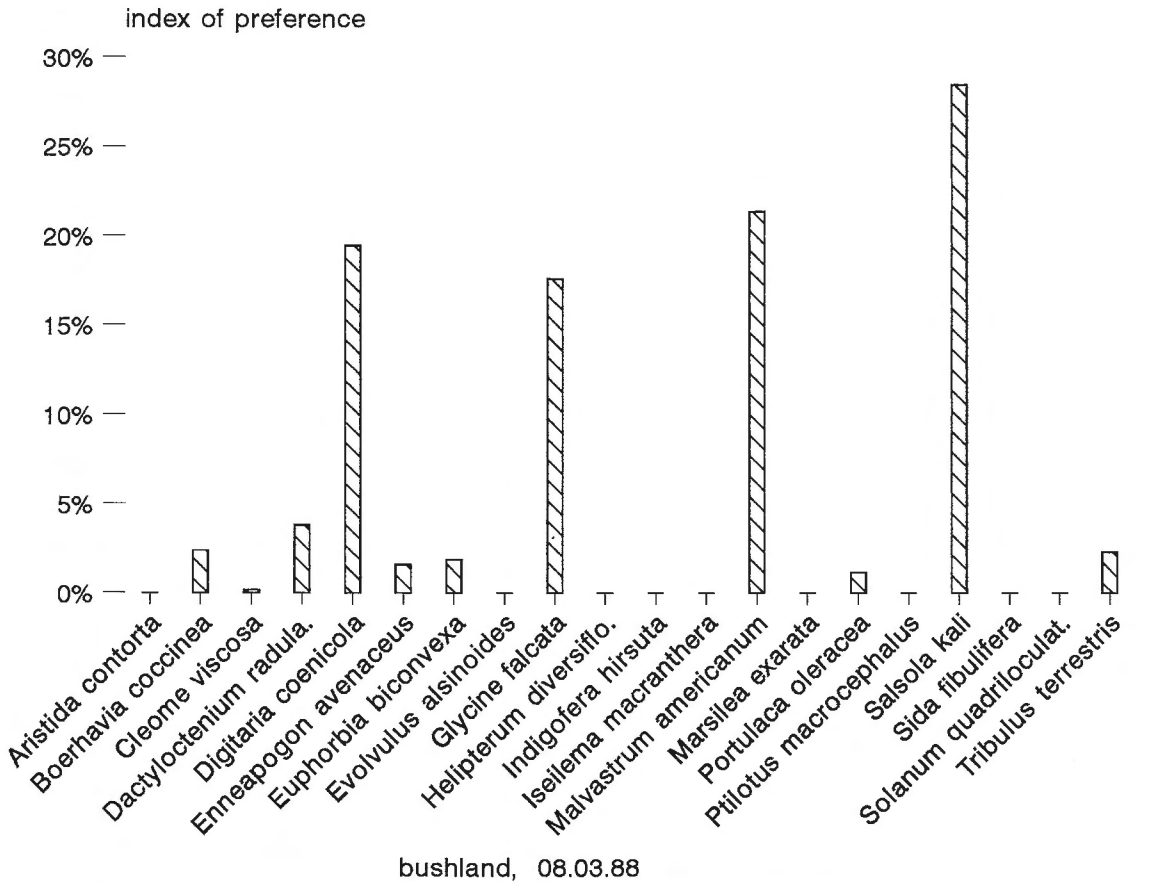
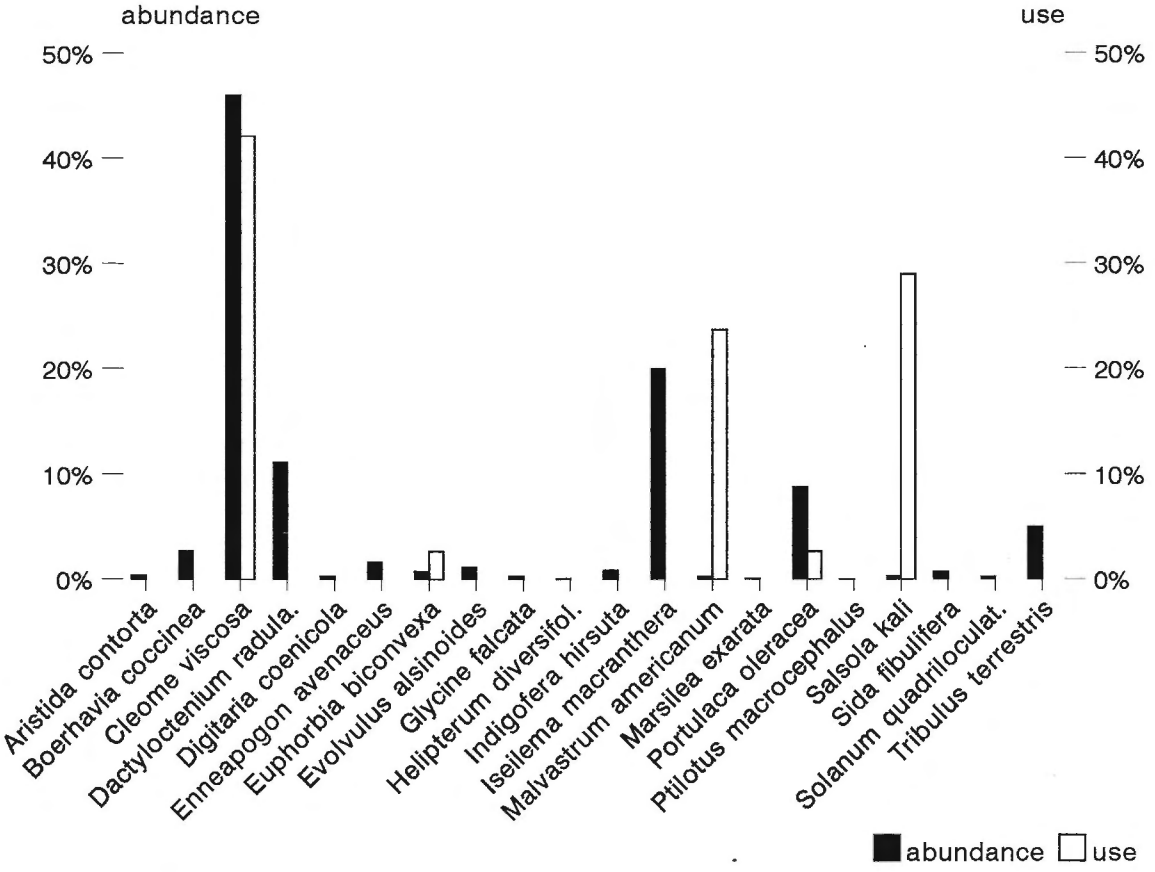
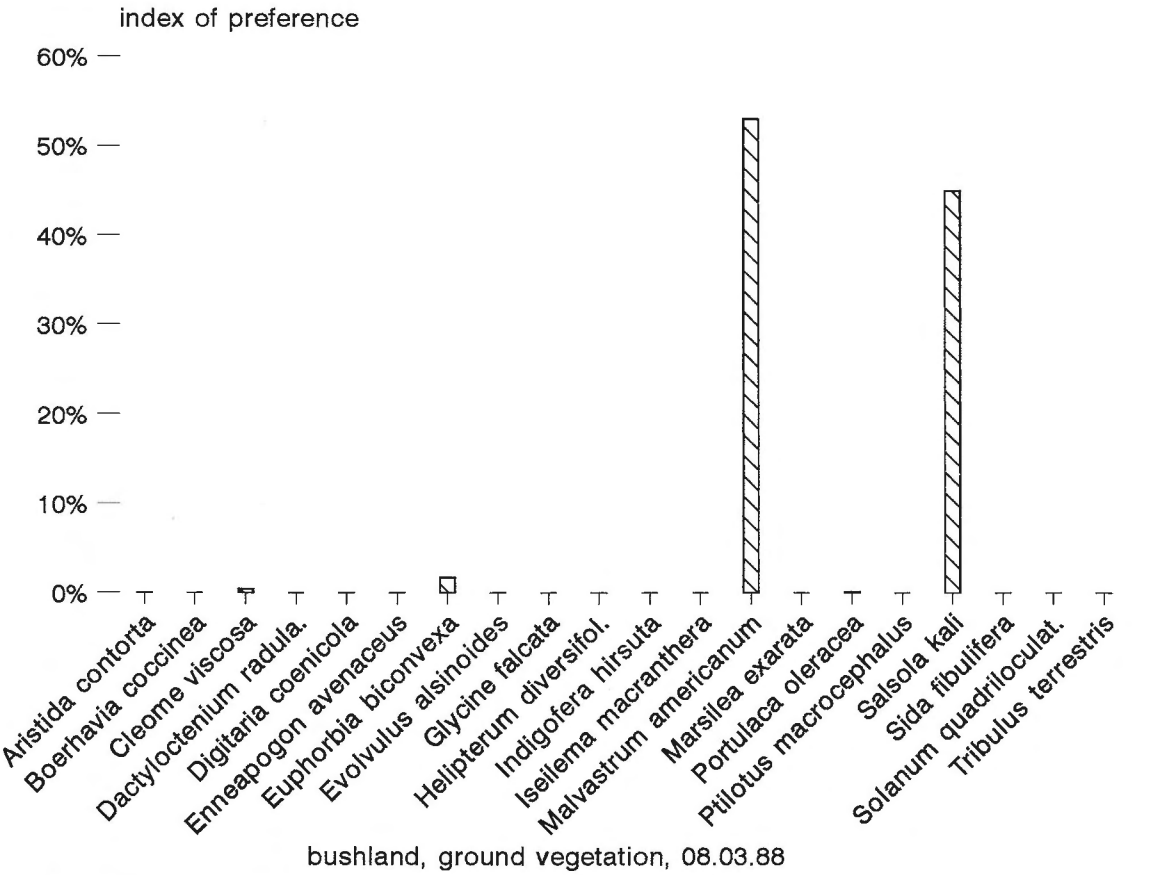


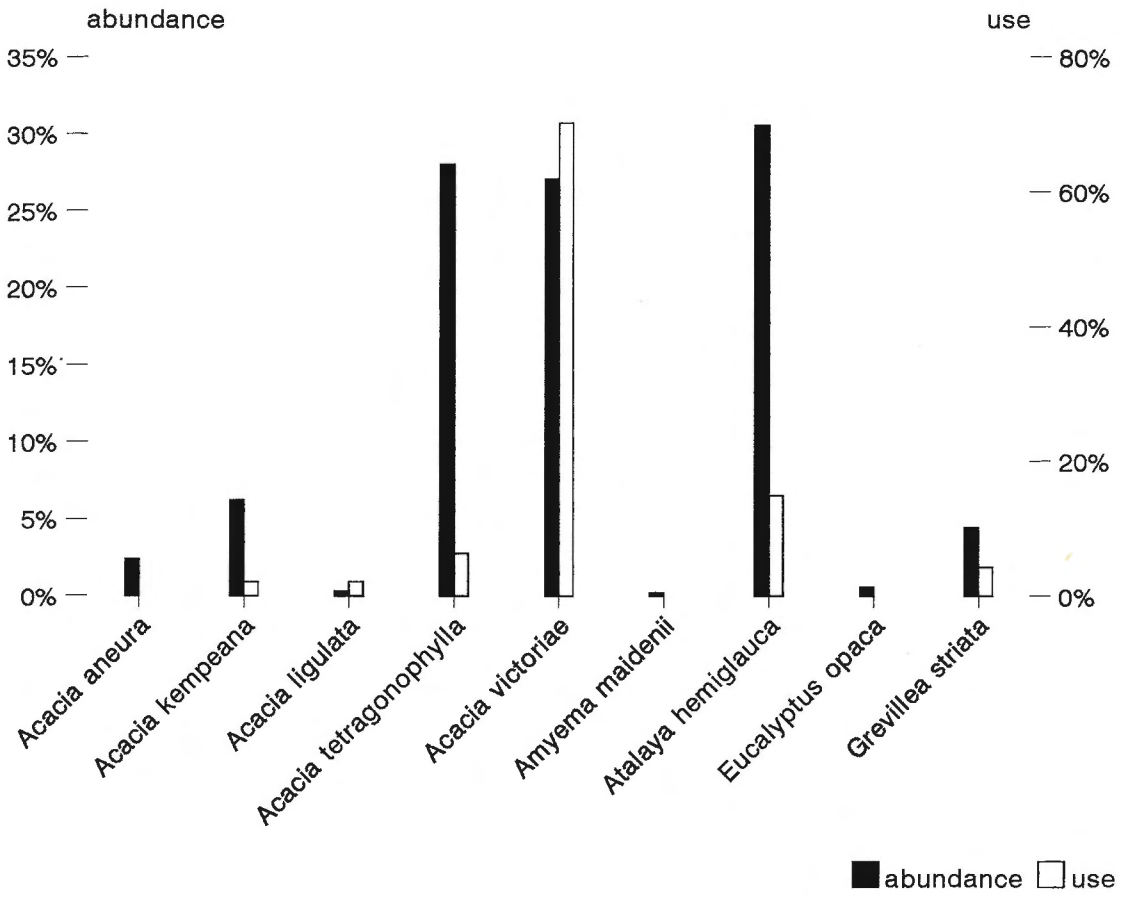
Fig. A9.5: Proportion rate of abundance and use - random sample





bushland, ground vegetation, 08.03.88

Fig. A9.6: Proportion rate of abundance and use - random sample



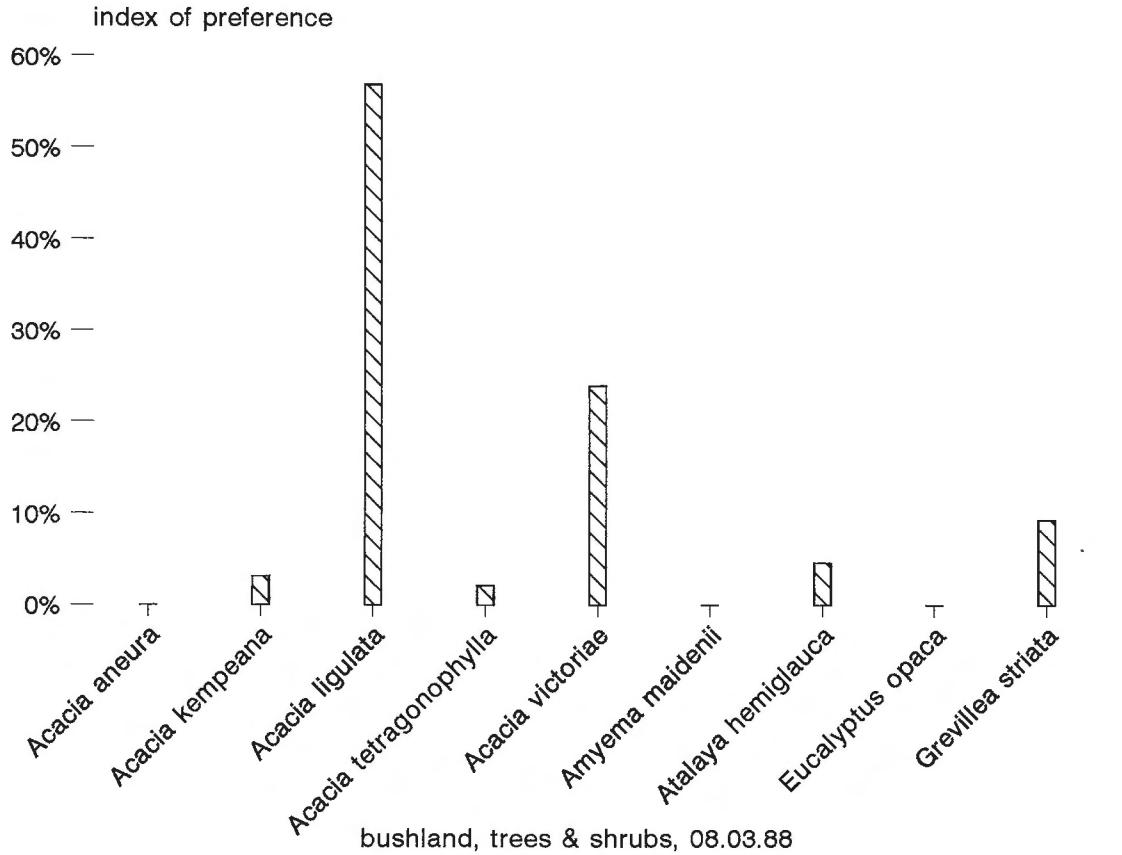
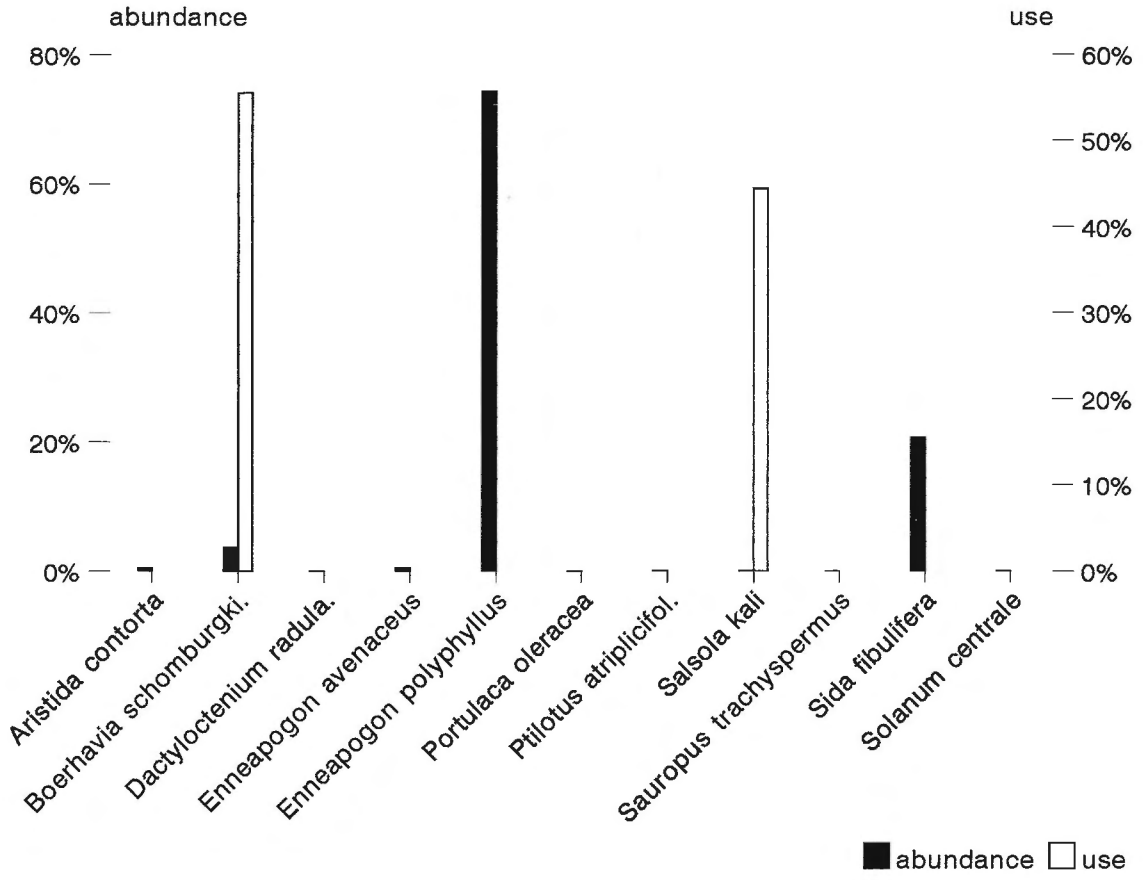


Fig. A9.7: Proportion rate of abundance and use - random sample



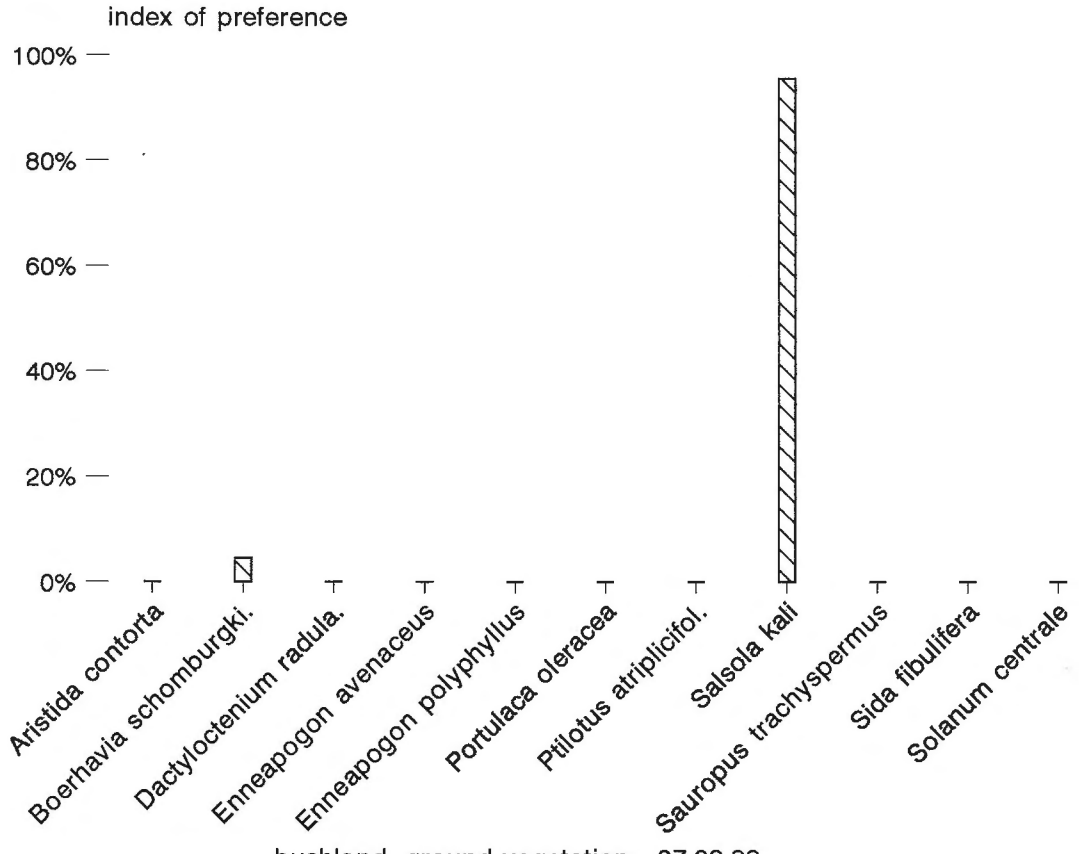
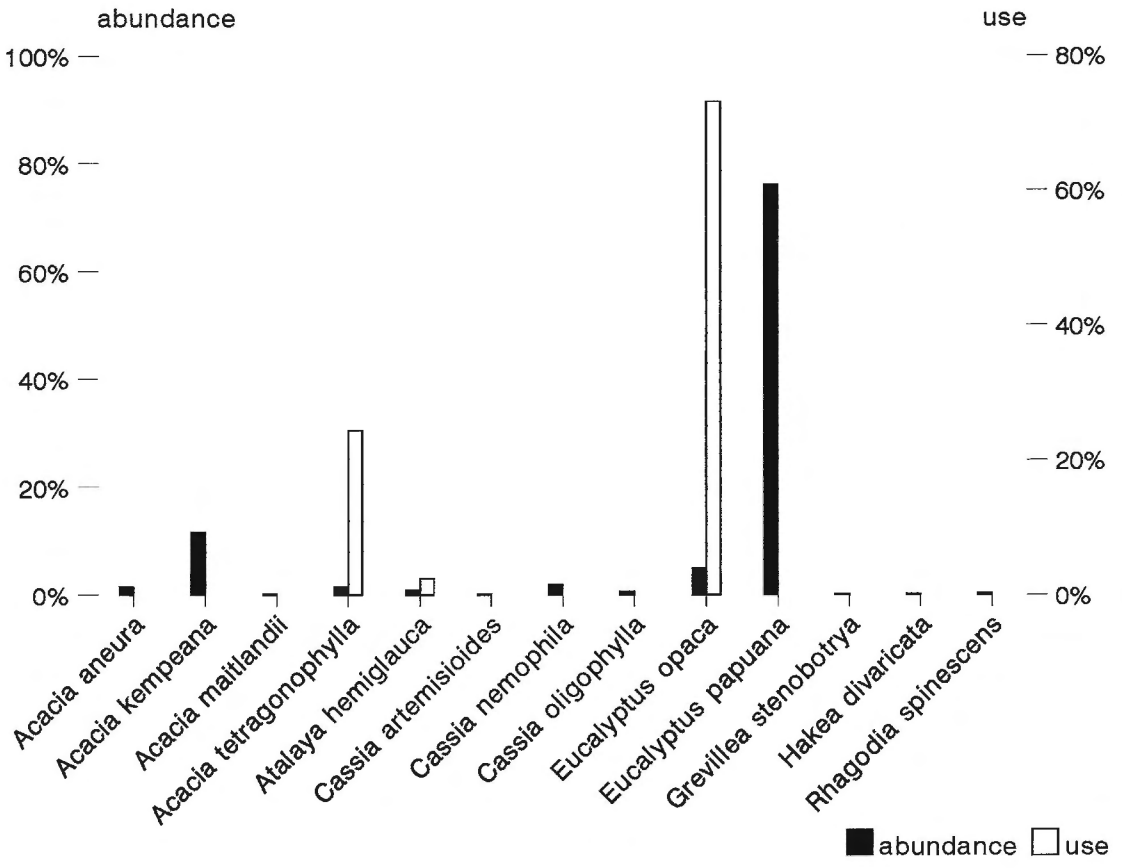


Fig. A9.8: Proportion rate of abundance and use - random sample



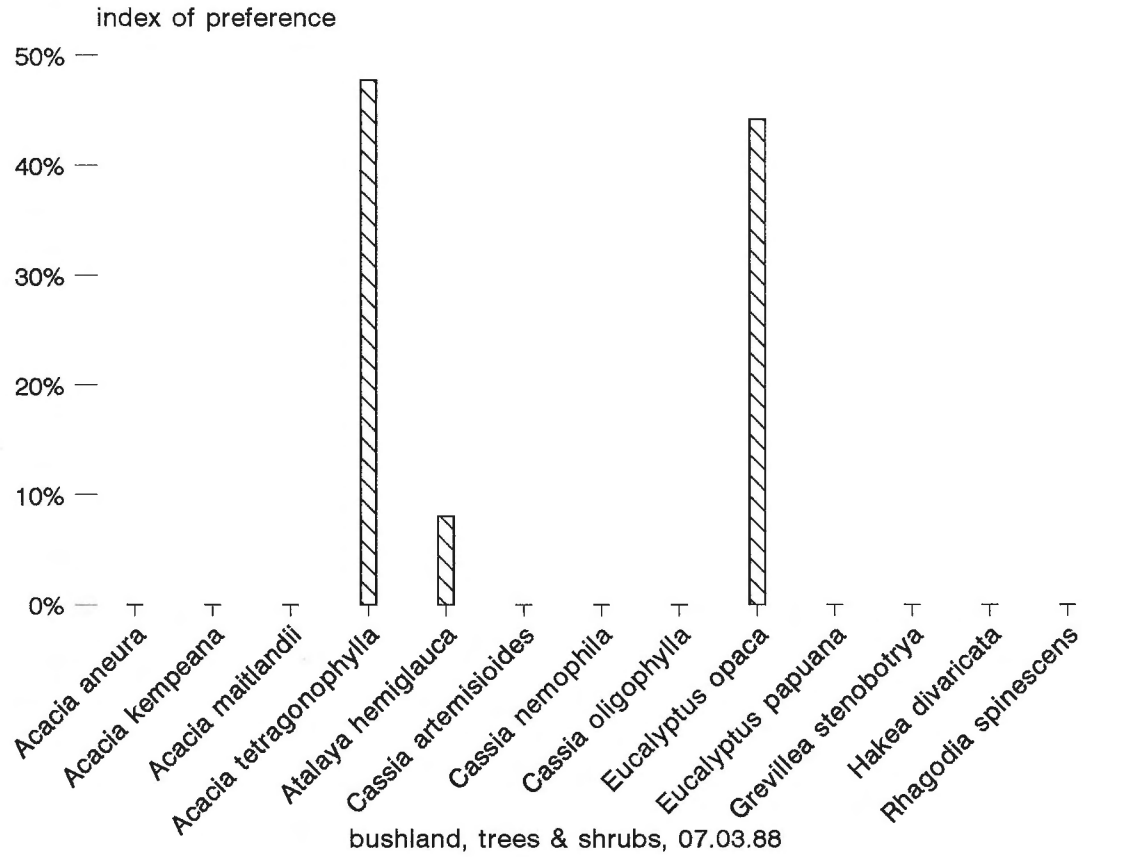


Fig. A9.9: Proportion rate of abundance and use - random sample

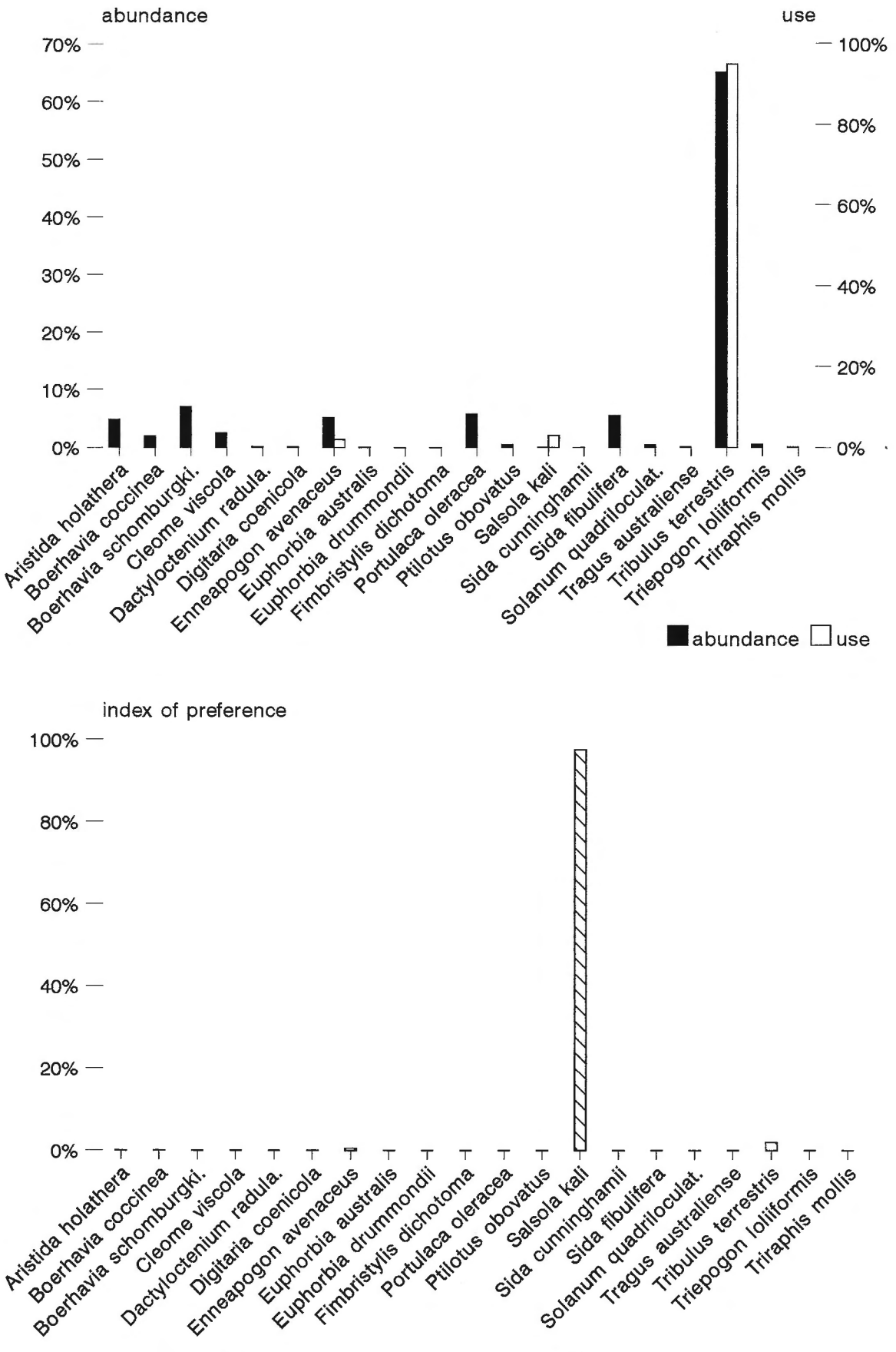
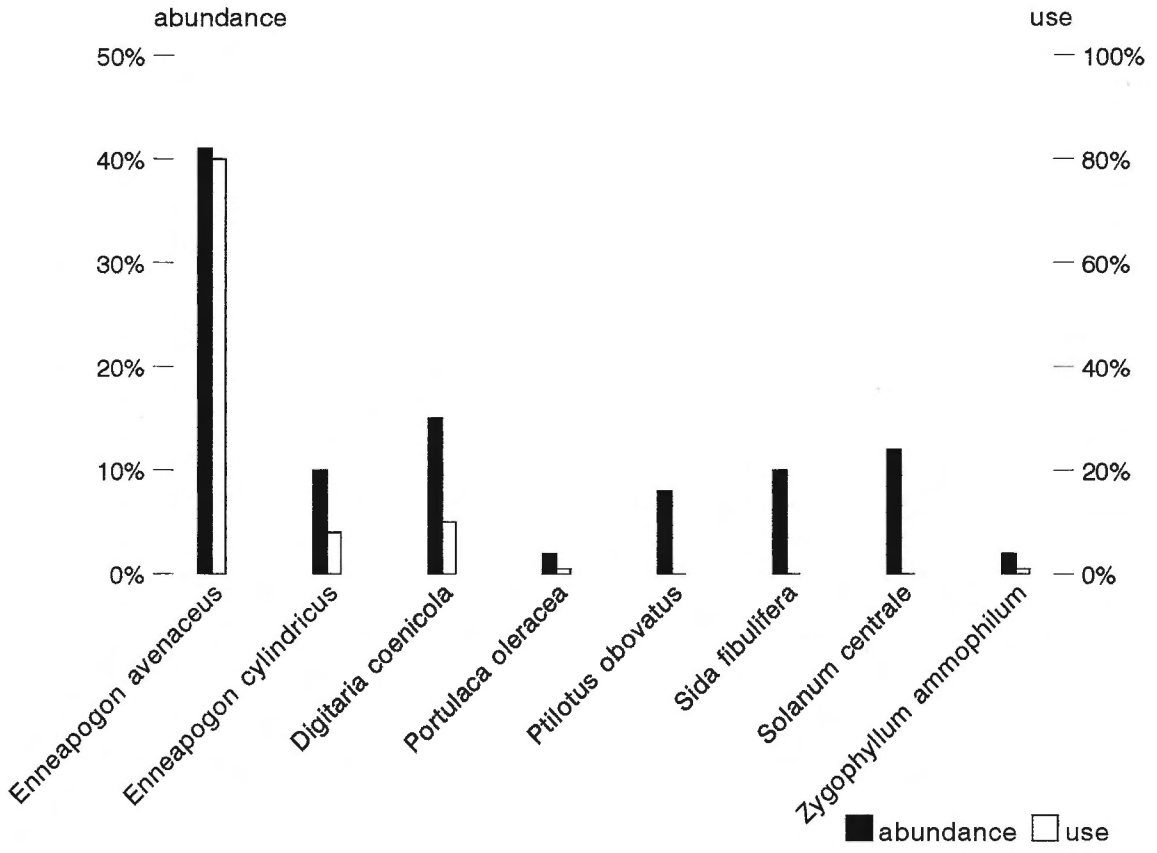
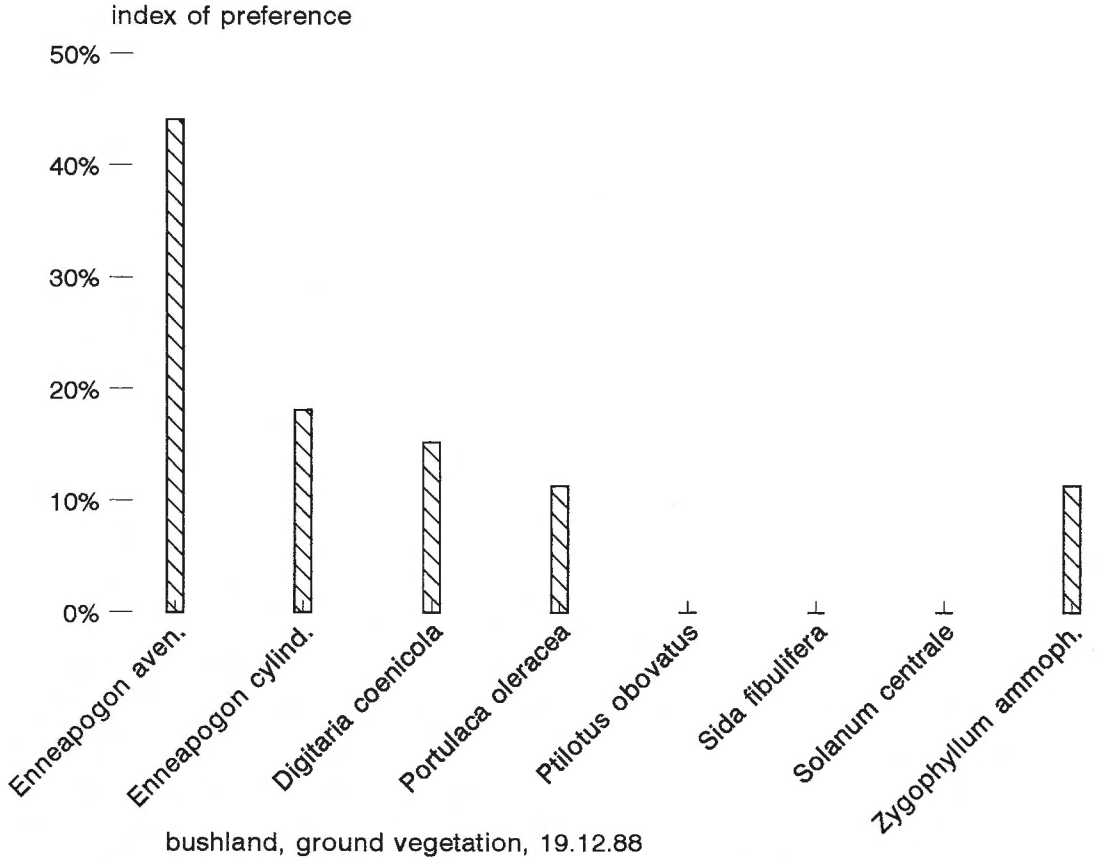


Fig. A9.10: Proportion rate of abundance and use - random sample





bushland, ground vegetation, 19.12.88

Fig. A9.11: Proportion rate of abundance and use - random sample

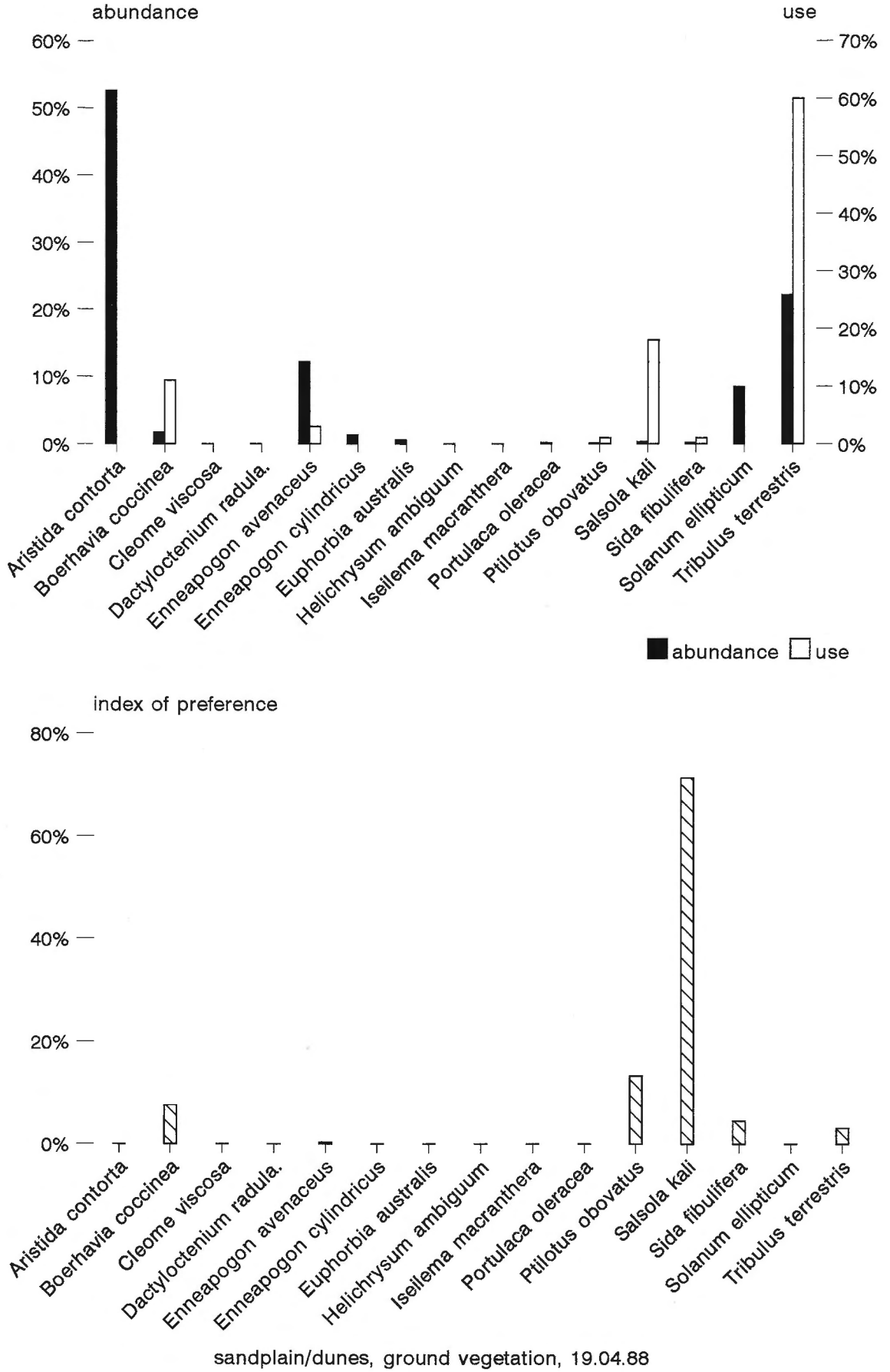
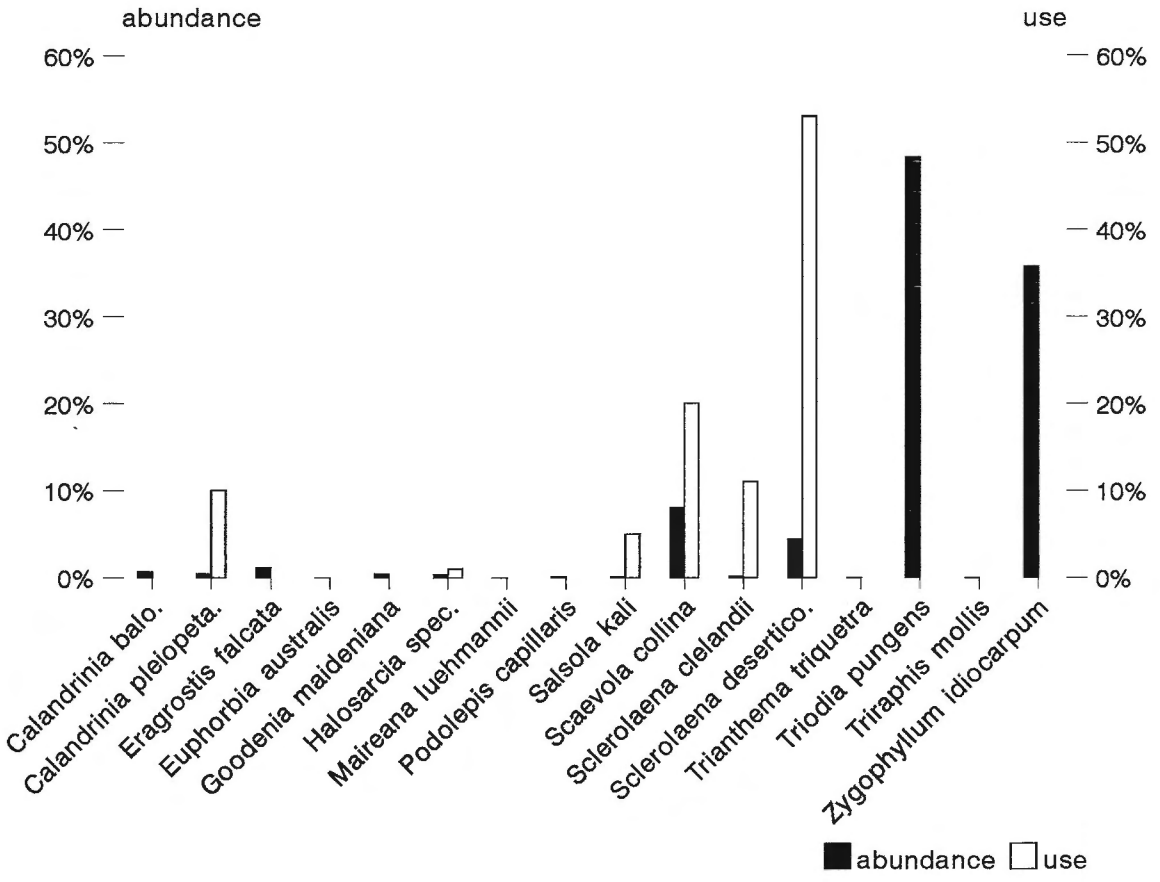
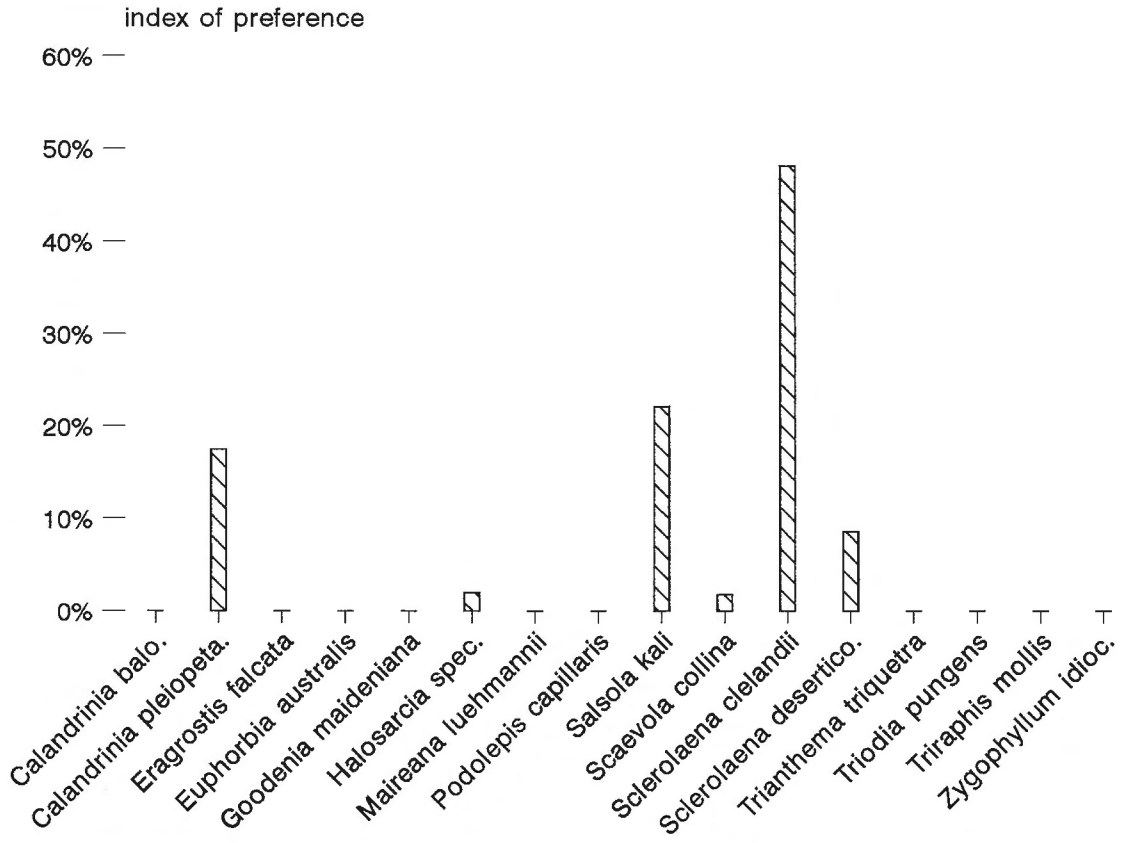


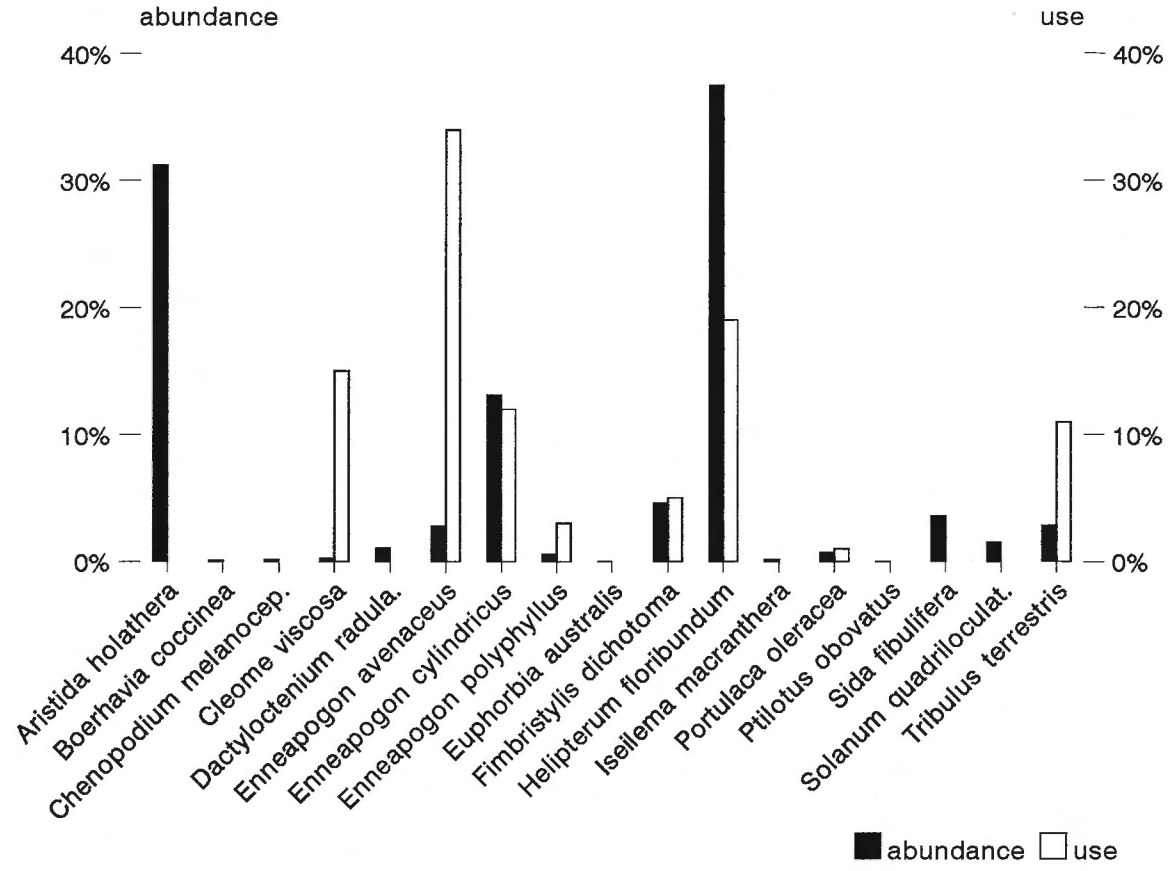
Fig. A9.12: Proportion rate of abundance and use - random sample





saltmarsh - open sandplain, 22.05.88

Fig. A9.13: Proportion rate of abundance and use - random sample



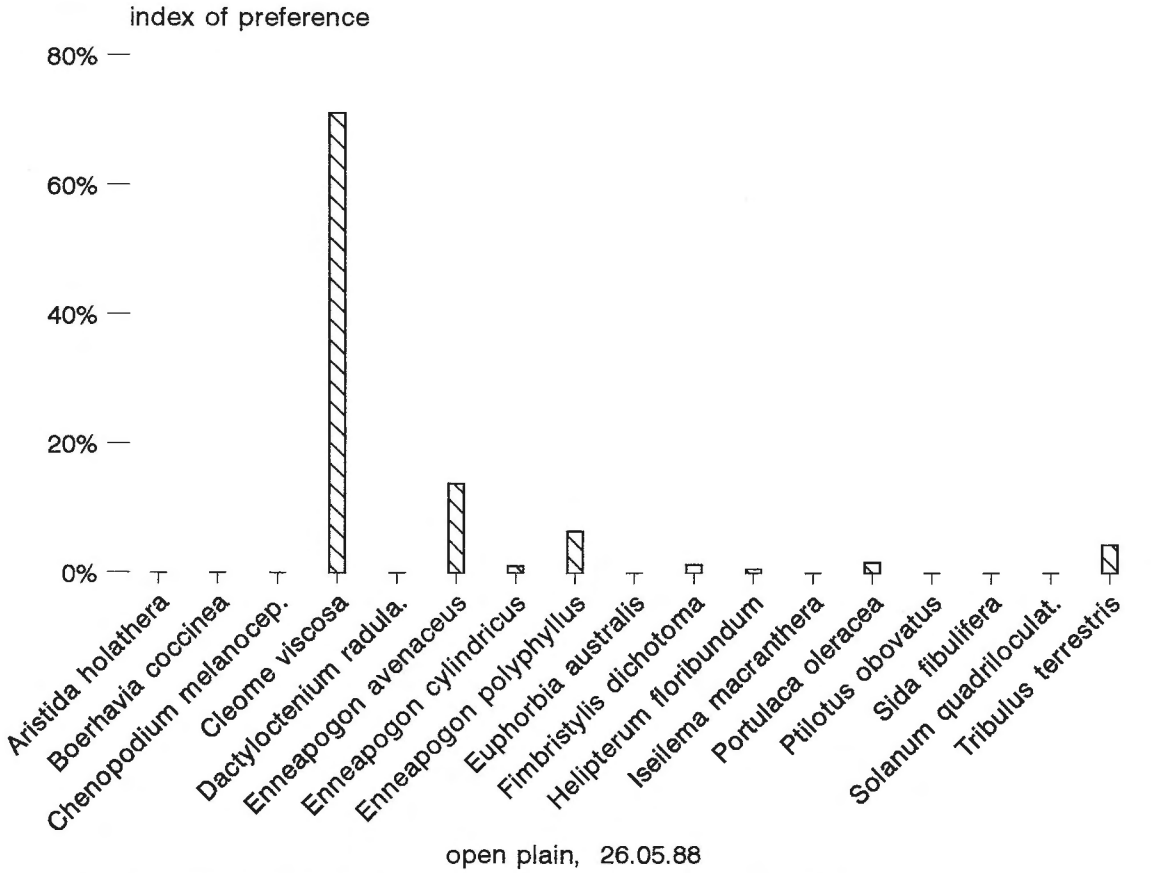
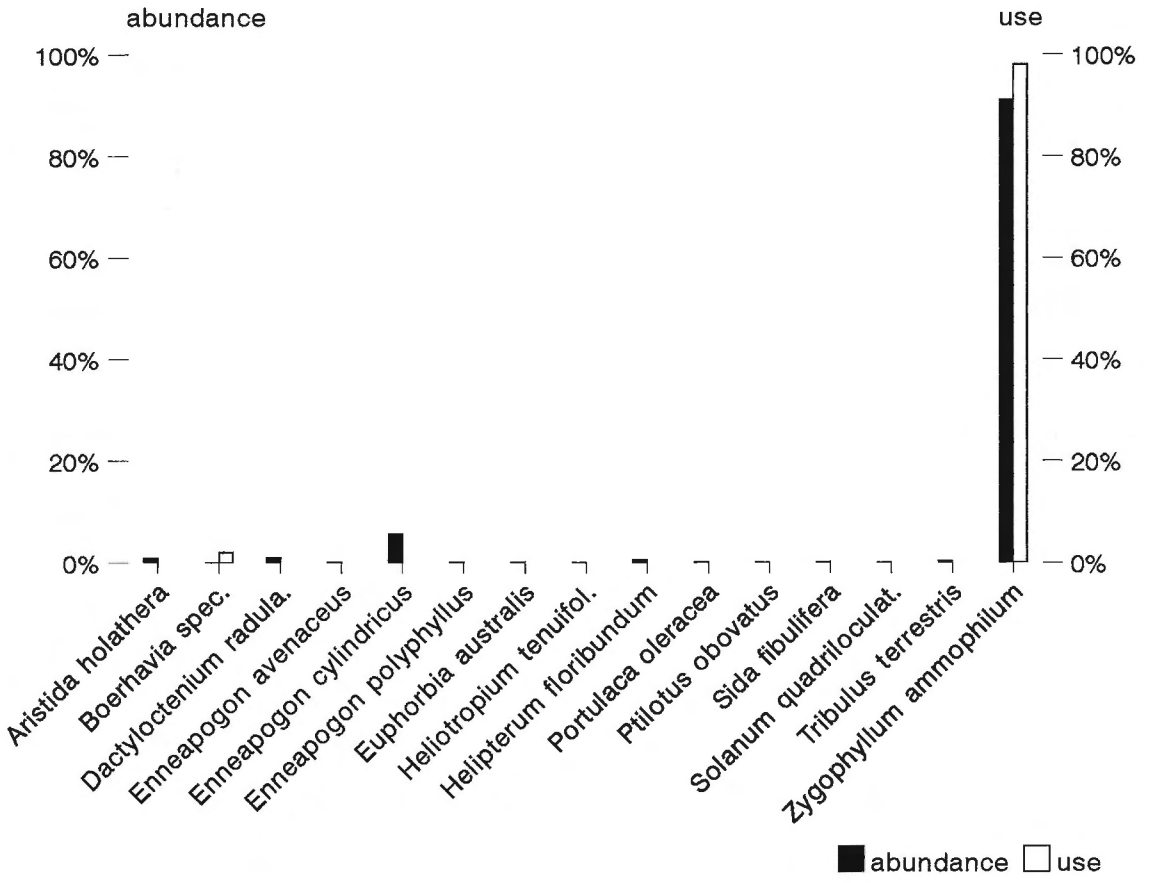


Fig. A9.14: Proportion rate of abundance and use - random sample



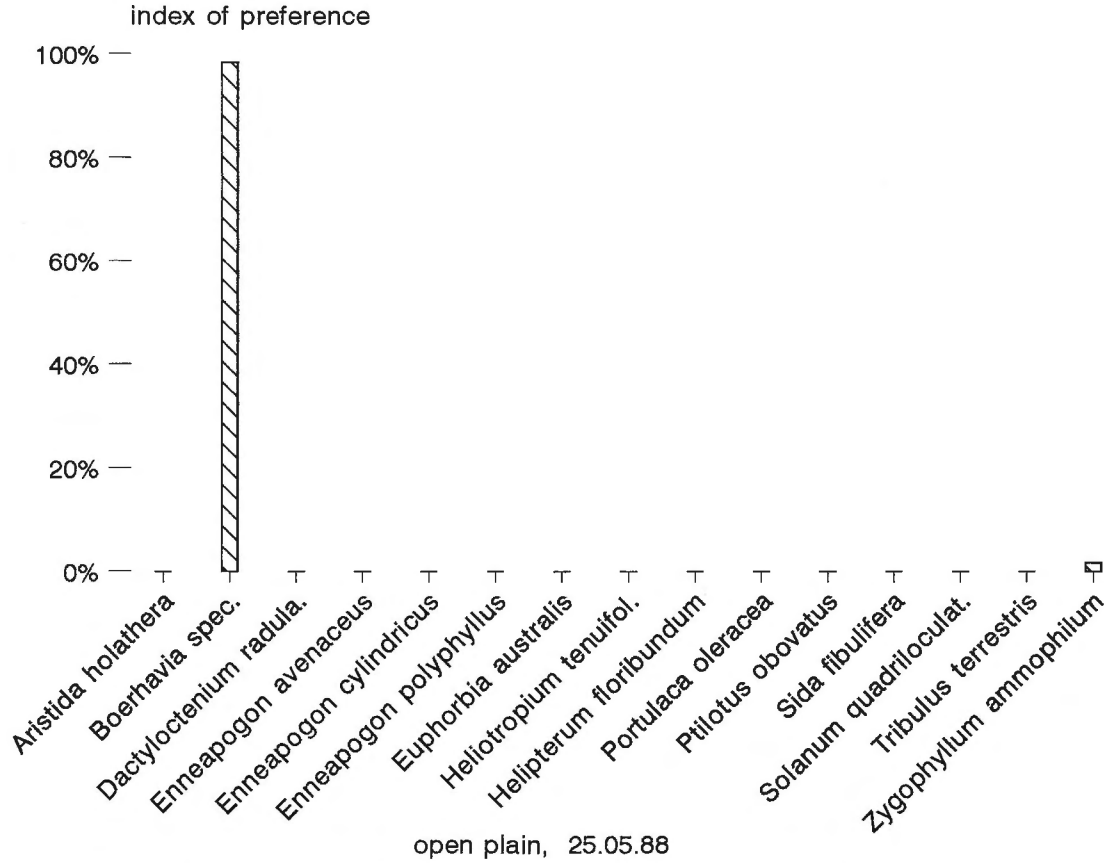
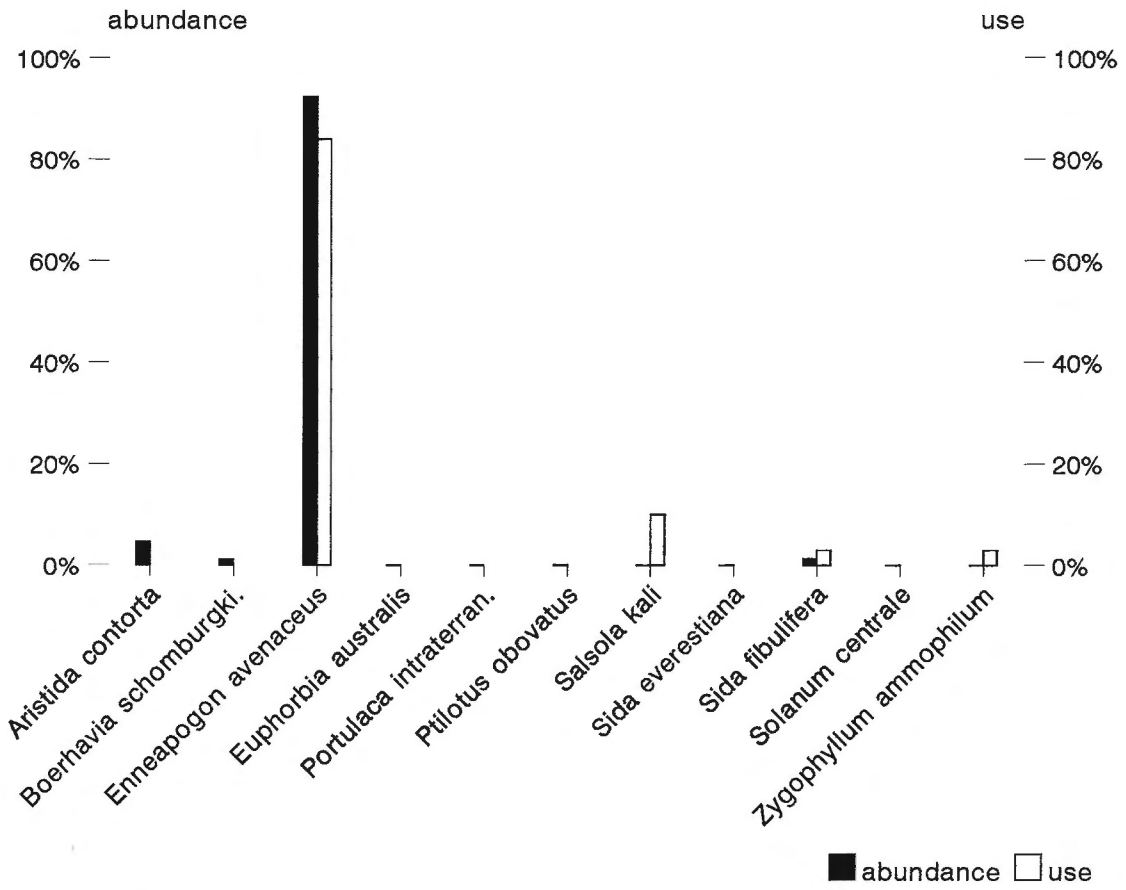


Fig. A9.15: Proportion rate of abundance and use - random sample



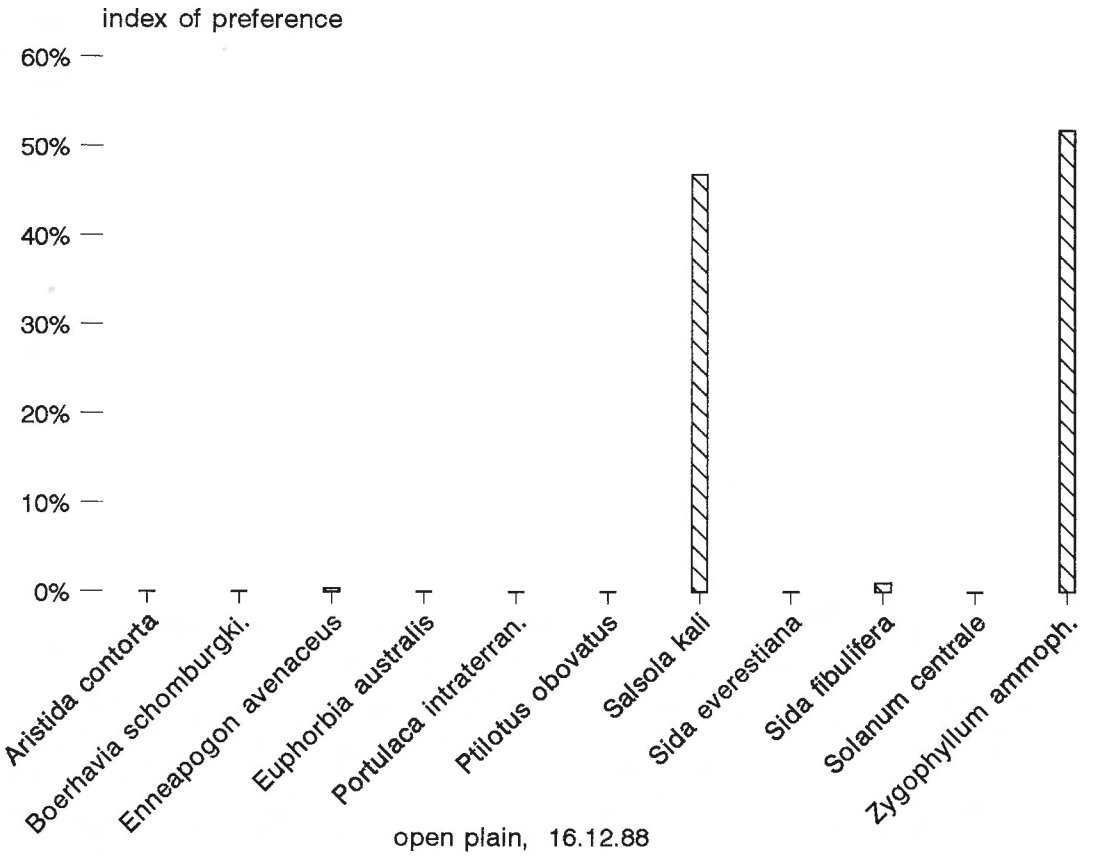
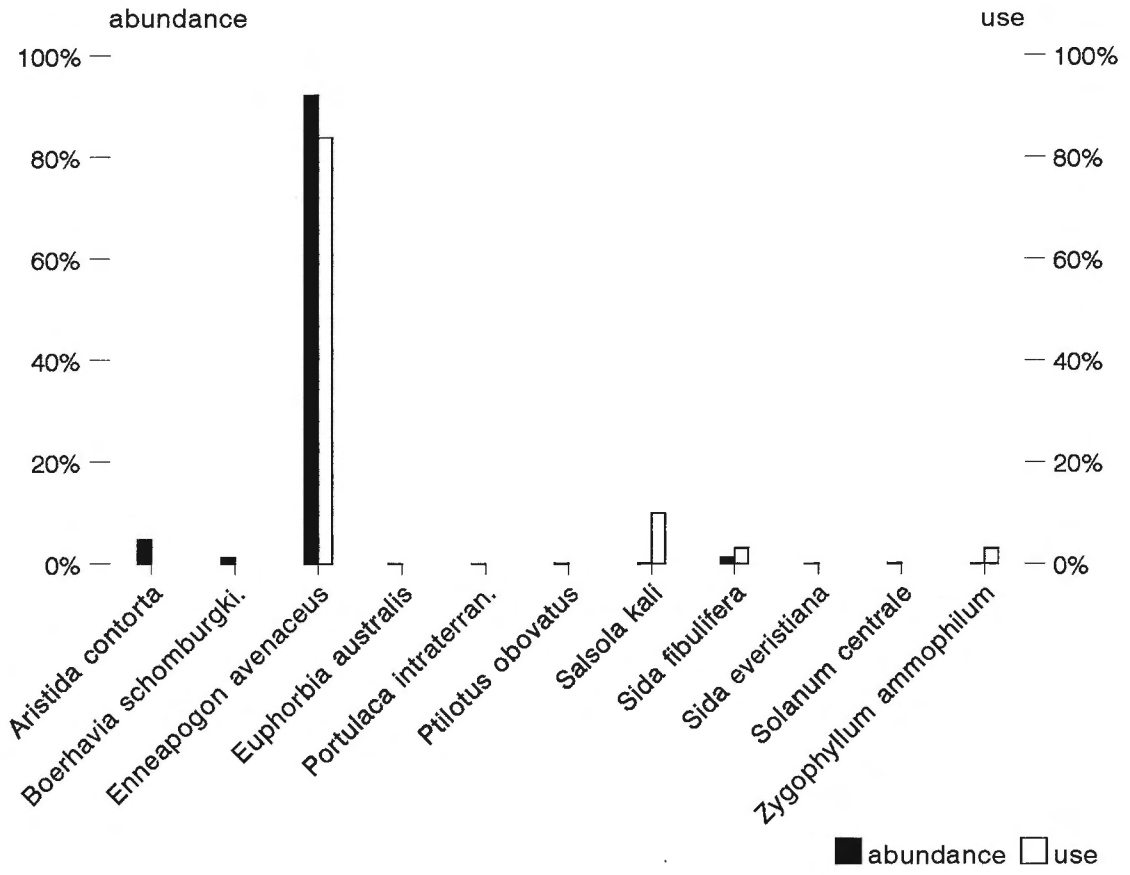


Fig. A9.16: Proportion rate of abundance and use - random sample



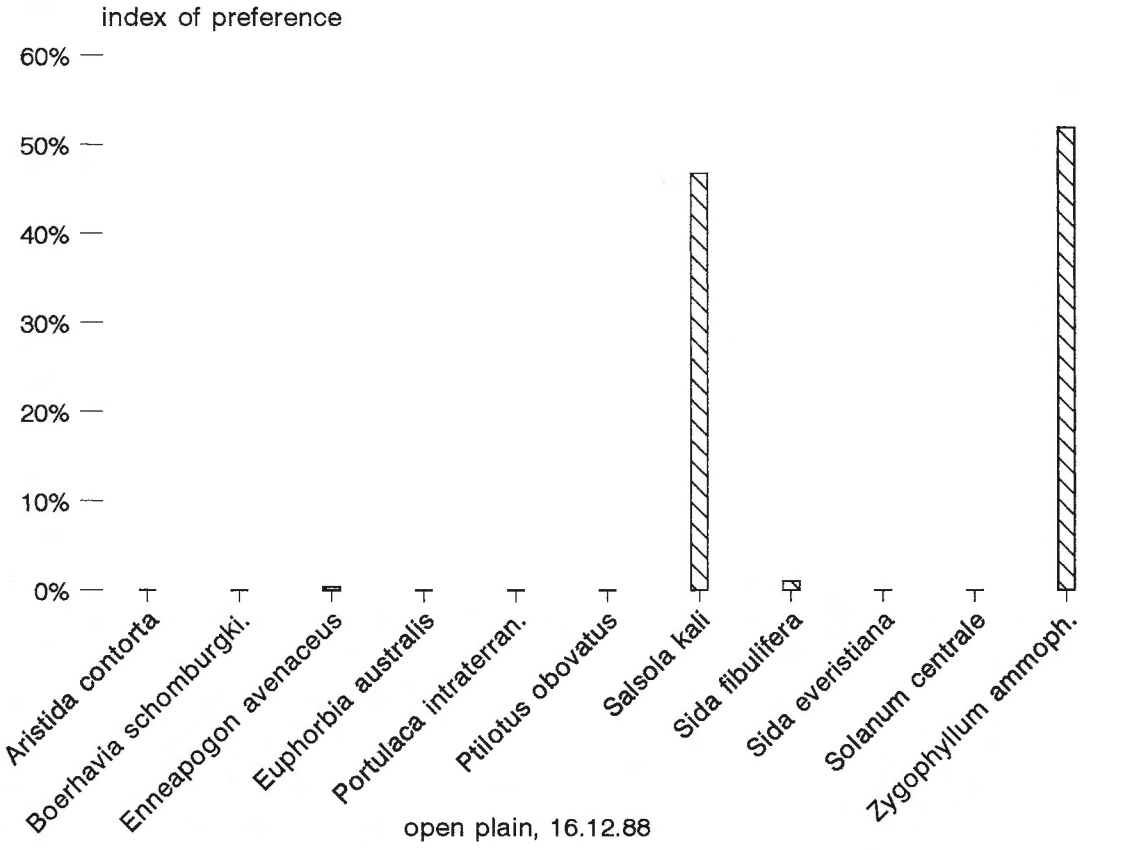


Fig. A9.17: Proportion rate of abundance and use - random sample

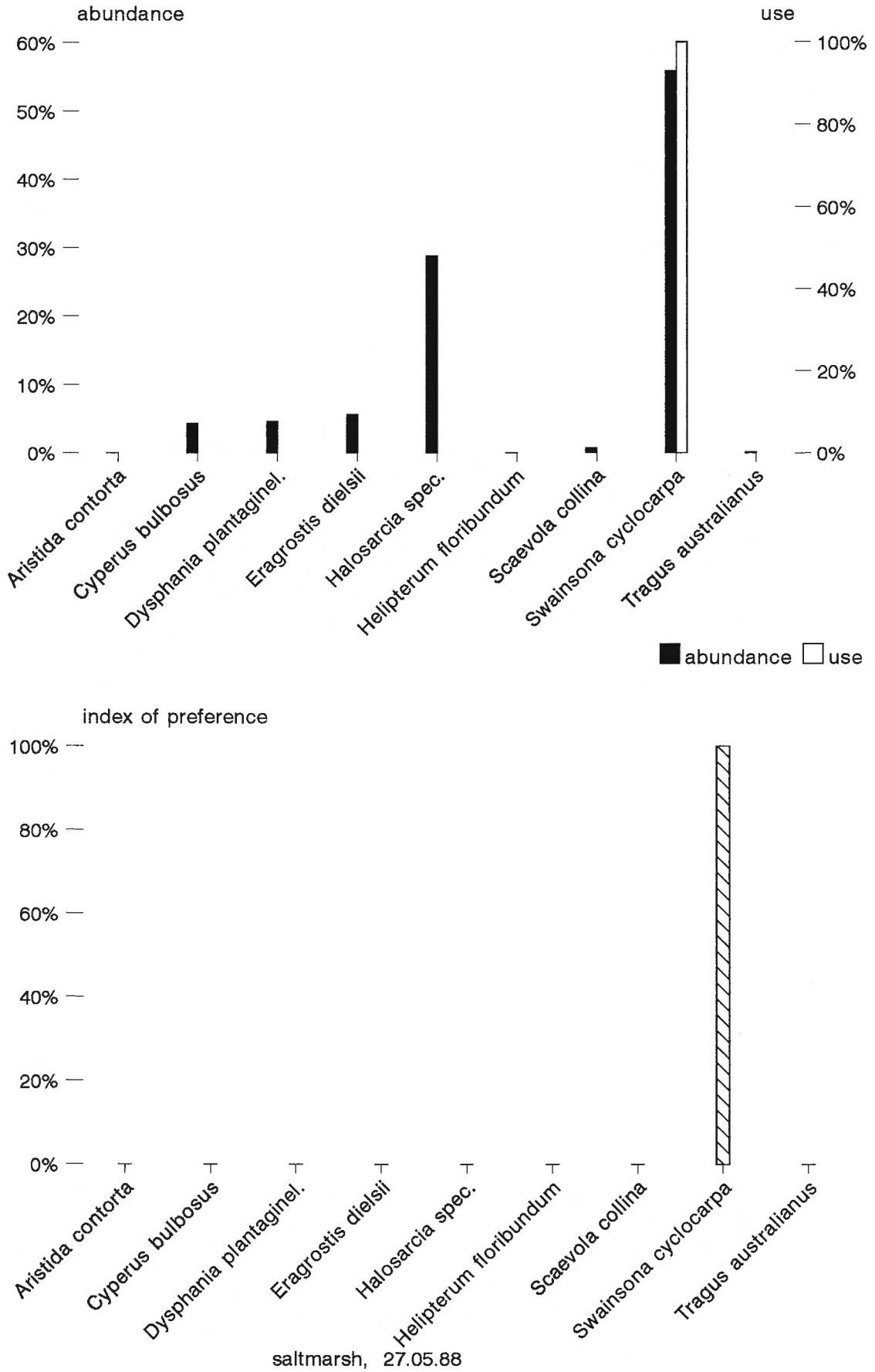


Fig. A9.18: Proportion rate of abundance and use - random sample

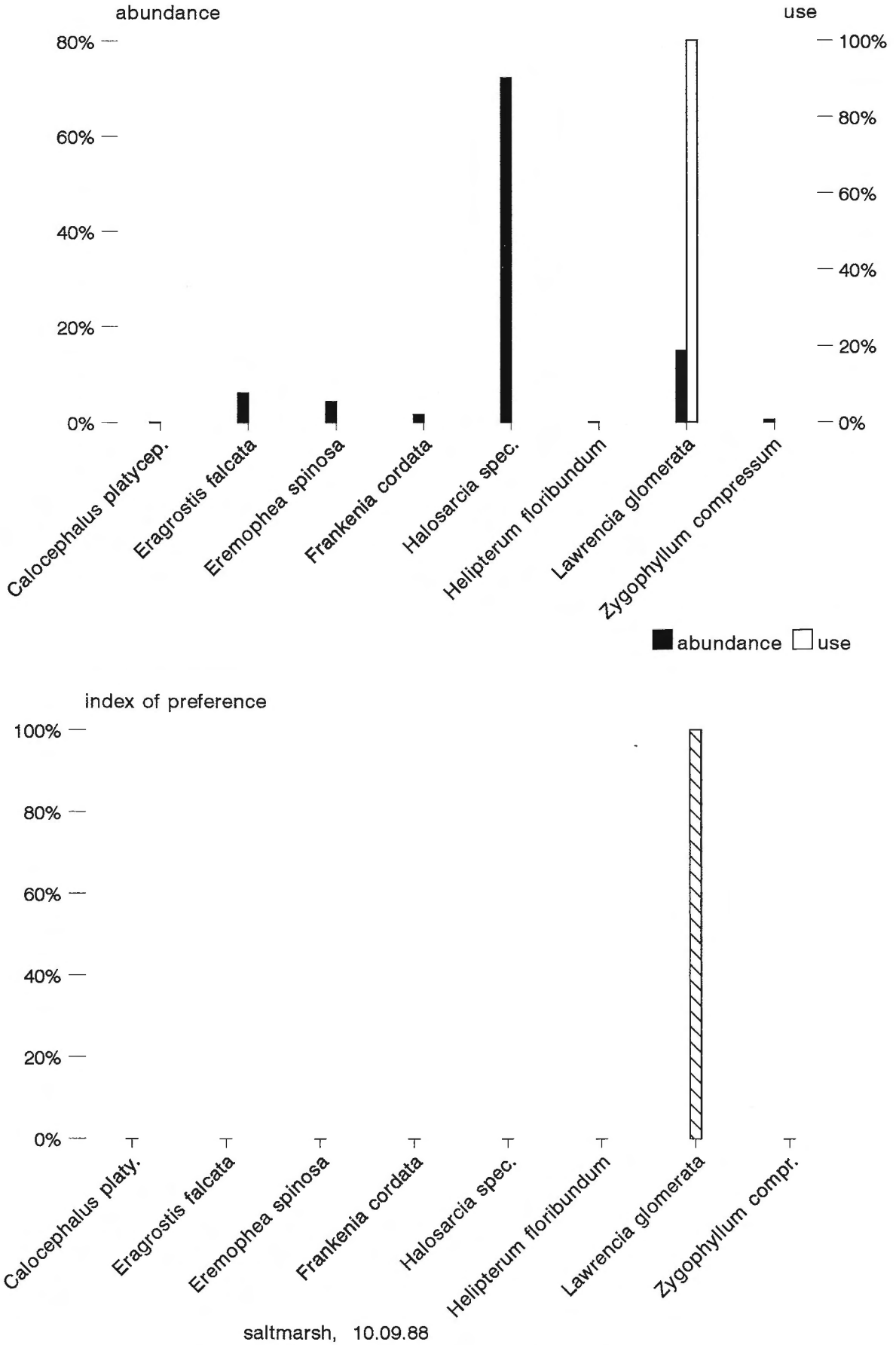


Fig. A9.19: Proportion rate of abundance and use - random sample

Explanations to Chapter 6: Significance tests of the drinking frequencies

The calculated drinking frequencies were checked for statistical significance. The permissible error probability is usually at p = 0.05 and is indicated in terms of figures by the significance threshold z_{crit} for the random samples to be compared. The respective calculated significance is indicated in the tables by z_{ber}, with z_{ber} being at least as big as z_{crit} in order to be significant on the level $p<0.05$ (*). If the error probability is below p = 0.01 the differences are called highly significant (**). If z_{ber} does not reach the value of z_{crit} the observed differences are random, i.e. not significant, and are shown in Table AT3.2 with a (-).

The verification of the seasonal drinking frequencies is done with dependent random samples since the drinking frequencies of the **same** animals depending on the season are tested in comparison with each other. The random samples were subdivided into gender and age classes. In addition, adult females were distinguished whether they nursed a calf or not. The periods of time are marked by T1-T6. T1 describes the summer of 1986/1987, T2 the winter of 1987, ..,.T6 the winter of 1989. The seasonal drinking frequencies were tested for statistical significance with the Wilcoxon-Test (DIEHL/KOHR 1987). All seasonal drinking frequencies are significant, the individual results are shown in Table AT3.1.

The verification of the gender specific and age dependent drinking frequencies is done with independent random samples, since the drinking frequencies of different animals within one class were tested. These were checked for statistical significance with the MANN-WHITNEY-U-Test (LORENZ 1988). Numbers were assigned to the individual classes (ref. Table AT3.2); 1:2 below T3 e.g. means the drinking frequencies of all adult males compared with the drinking frequencies of all adult females with calves in the season T3, that is in the summer of 1987/1988. The results of the significance tests are shown in Table AT3.2.

Table AT3.1: Results of the significance test of the seasonal drinking frequencies according to the WILCOXON-test with an error probability of p = 0.05

Season	T1/T2	T2/T3	T3/T4	T4/T5	T5/T6
adult bulls					
Z_{crit}	0.0446	0.0591	0.0307	0.006	0.2845
$Z_{ber.}$	2.0083	1.8878	2.1574	2.5905	1.0703
adult cows with calf					
Z_{crit}	0.0446	0.0614	0.0446	0.0142	0.0108
$Z_{ber.}$	2.0083	1.8708	2.0083	2.451	2.5482
adult cows without calf					
Z_{crit}	0.0064	0.4185	0.0032	0.0064	0.0059
$Z_{ber.}$	2.7248	0.8090	2.8540	2.2748	2.7521
subadult bulls					
Z_{crit}	0.0211	0.0092	0.0029	0.0009	0.0119
$Z_{ber.}$	2.3062	2.6063	2.9785	3.3272	2.5159
subadult cows					
Z_{crit}	0.0736	0.0736	-	-	-
$Z_{ber.}$	1.7889	1.7889			

T1 = summer season 1986/87 T2 = winter season 1987
T2 = summer season 1987/88 T4 = winter season 1988
T3 = summer season 1988/89 T6 = winter season 1989

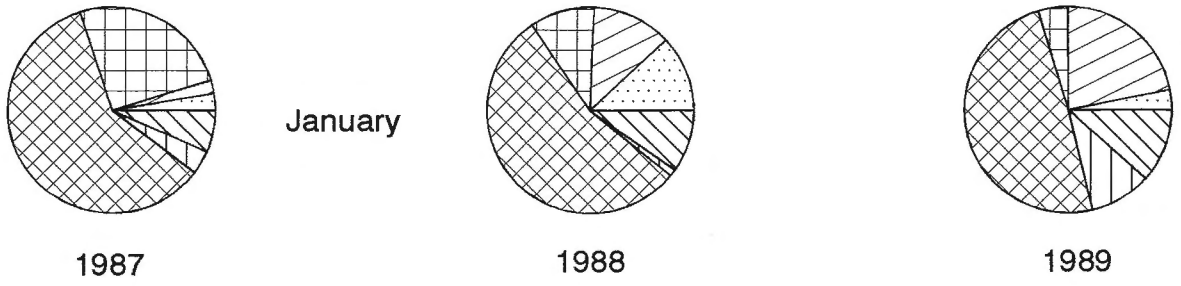
All calculated Z-values are greater than the critical values for Z; according to that, the seasonal drinking frequencies are significant. The sizes of the random samples for the subadult females for the period from winter 1987 to summer 1988/89 are not sufficiently big enough and can therefore not be compared with the values form the winter season 1989.

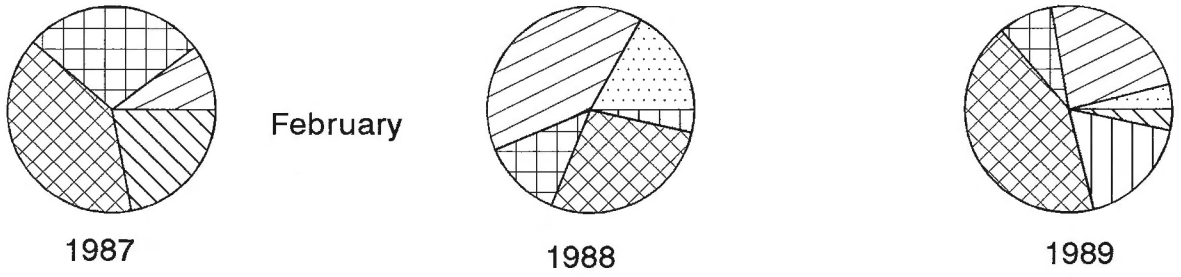
Table AT3.2: Significance test of the gender- and age-dependent drinking frequencies according to the MANN-WHITNEY-U-Test

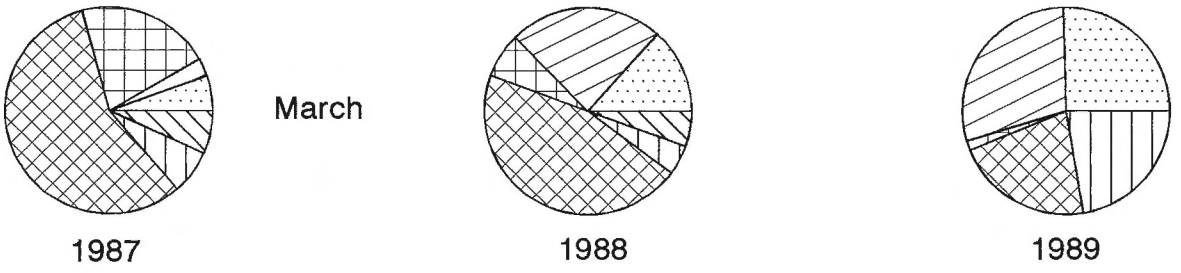
Season	T1	S	T2	S	T3	S	T4	S	T5	S	T6	S
1:2												
Zcrit	0.0073		0.0175		0.1516		0.0999		0.0098		0.5426	
Zber.	2.6825	**	2.3771	*	1.4341	*	1.6449	*	2.5833	**	0.6089	*
1:3												
Zcrit	0.7543		0.7981		0.9082		0.1615		0.1042		0.0688	
Zber.	0.3129	-	0.2558	-	0.1153	-	1.4000	*	1.6250	*	1.8197	*
1:4												
Zcrit	0.0410		0.2819		0.0243		0.4795		0.9764		0.0229	
Zber.	2.0441	*	1.0762	*	2.2526	*	0.7072	*	0.0296	-	2.2753	*
1:5												
Zcrit	0.1002		0.8451		0.5427		0.0777		0.0835		0.1644	
Zber.	1.6435	*	0.1954	-	0.6088	*	1.7640	*	1.7308	*	1.3905	*
2:3												
Zcrit	0.0014		0.0028		0.0690		0.2854		0.1505		0.0111	
Zber.	3.2037	**	2.9942	**	1.8184	*	1.0683	*	1.4379	*	2.5391	*
2:4												
Zcrit	0.7631		0.0065		0.2751		0.0282		0.0019		0.0003	
Zber.	0.3014	-	2.7228	**	1.0915	*	2.1946	*	3.1015	**	3.5894	**
2:5												
Zcrit	0.8611		0.2733		0.2367		0.6171		1		0.0691	
Zber.	0.1750	-	1.0955	*	1.1832	*	0.5000	-	0	-	1.8176	*
3:4												
Zcrit	0.0646		0.1018		0.0046		0.0112		0.0388		0.8590	
Zber.	1.8483	*	1.6361	*	2.8334	**	2.5358	*	2.0658	*	0.1776	-
3:5												
Zcrit	0.0413		0.5419		0.4805		0.1595		0.3987		0.8146	
Zber.	2.0409	*	0.6099	*	0.7055	*	1.4067	*	0.8440	*	0.2345	-
4:5												
Zcrit	1		0.7225		0.2925		0.0283		0.0307		0.5038	
Zber.	0	-	0.3552	-	1.0527	*	2.1935	*	2.1610	*	0.6685	*

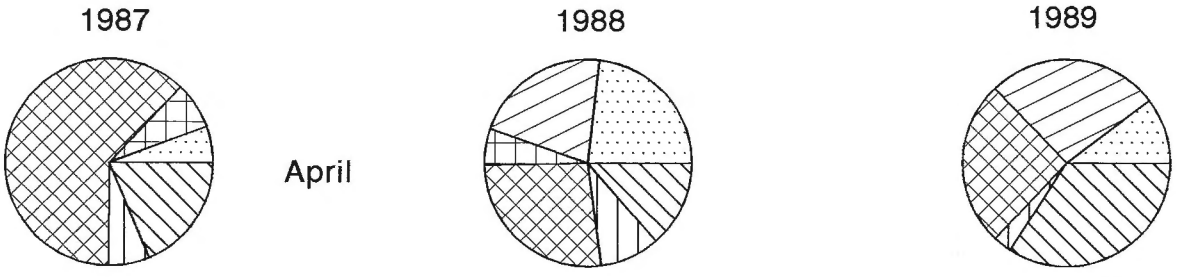
1 = adult bulls
2 = adult cows with calf
3 = adult cows without calf
4 = subadult bulls
5 = subadult cows

* significant ($\alpha<0.05$)
** highly significant ($\alpha<0.01$)
\- not significant









saltlake/saltmarsh
open bushland
dense bushland
open plain
sandplain/dunes with sparse vegetation
sandplain/dunes with dense vegetation

Fig. A10.1: habitat use per month

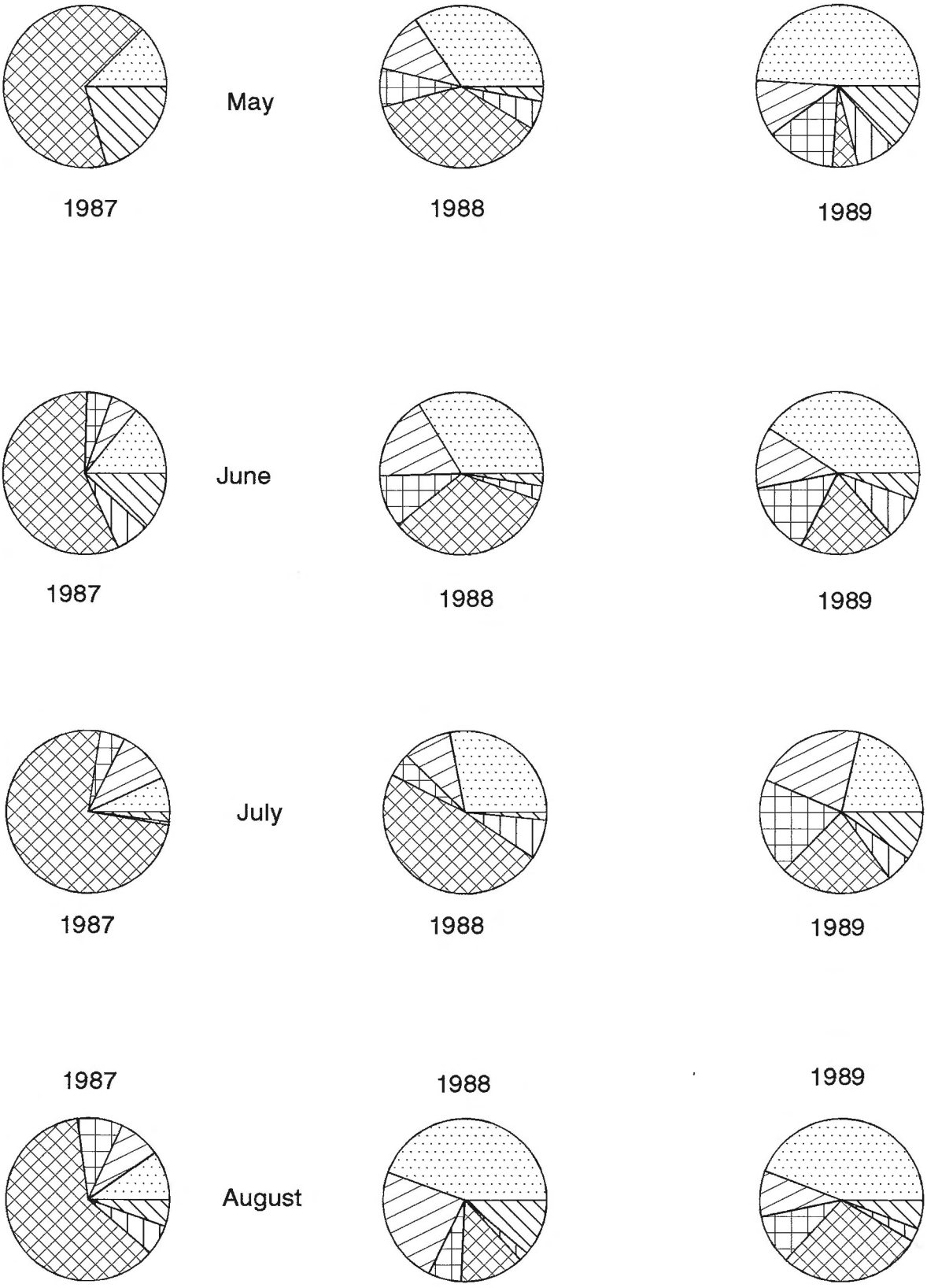
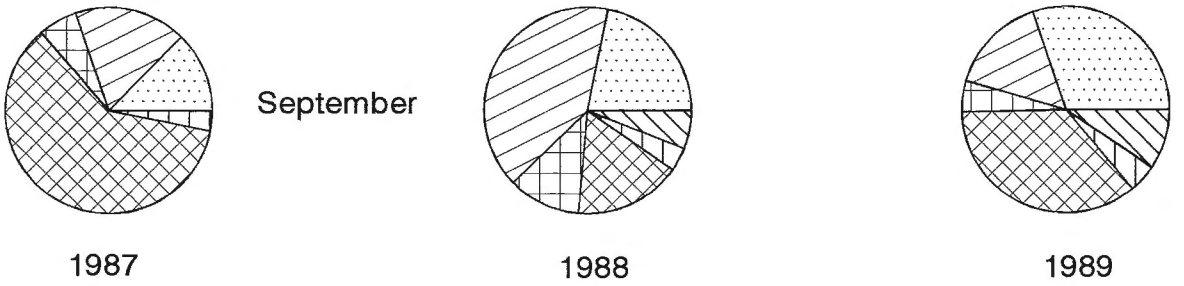
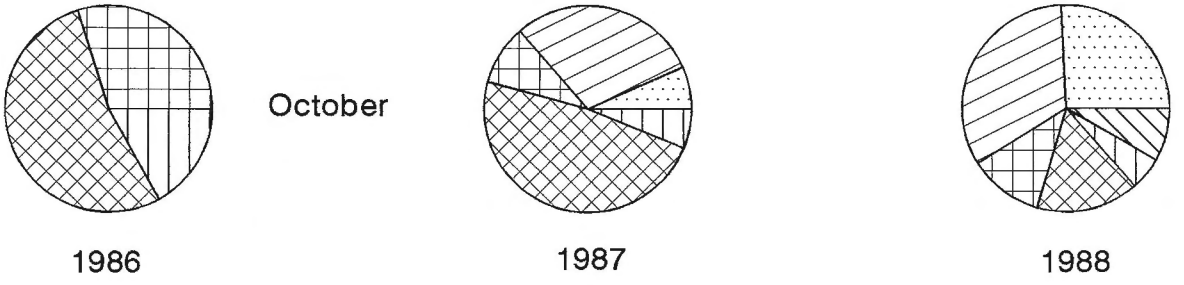
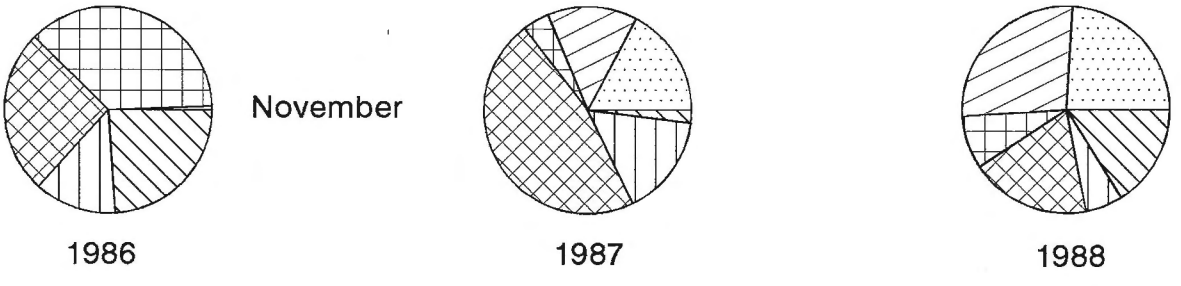


Fig. A10.2: habitat use per month







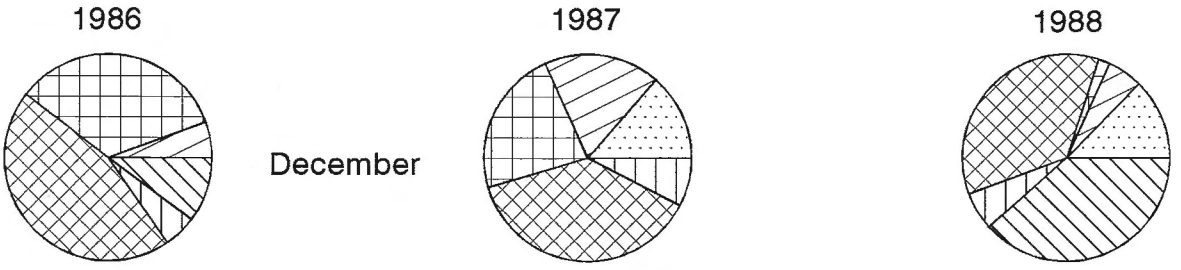


Fig. A10.3: habitat use per month

Explanations to the calculated indices for the vegetation analysees (tabels AT4.1-4)

R/NO = number of species

Richness Indices

R/R1 = Margalef Index (MARGALEF 1958)

$$R1 = \frac{S - 1}{\ln(n)}$$

R/R2 = Menhinick Index (MENHINICK 1964)

$$R2 = \frac{S}{\sqrt{n}}$$

Indices for diversity

D/L = Simpson's Index (SIMPSON 1949)

$$\lambda = \sum_{i=1}^{S} p_i^2$$

D/H' = Shannon Index (SHANNON & WEAVER 1949)

$$H' = -\sum_{i=1}^{s^*} (p_i \ln p_i)$$

D/N1 = Hill's Numbers (HILL 1973)

$$N1 = e^{H'}$$

D/N2 = Hill's Numbers (HILL 1973)

$$N2 = 1/\lambda$$

Eveness Indices:

E1 = Eveness Index by Pielou (PIELOU 1975)

$$E1 = \frac{H'}{\ln(S)} = \frac{\ln(N1)}{\ln(N0)}$$

E2 = Eveness Index by Sheldon (SHELDON 1969)

$$E2 = \frac{e^{H'}}{S} = \frac{N1}{N0}$$

E3 = Eveness Index by Heip (HEIP 1974)

$$E3 = \frac{e^{H'}-1}{S-1} = \frac{N1-1}{N0-1}$$

E4 = Eveness Index by Hill (HILL 1973)

$$E4 = \frac{(1/\lambda)-1}{e^{H'}-1} = \frac{N2-1}{N1-1}$$

E5 = Eveness Index by Alatalo (ALATALO 1981)

$$E5 = \frac{(1/\lambda)-1}{e^{H'}-1} = \frac{N2-2}{N1-1}$$

Tab. AT4.1: Indices of the habitat specific seasonal vegetation

habitat	R/N0	R/R1	R/R2	D/L	D/H'	D/N1	D/N2	E/E1	E/E2	E/E3	E/E4	E/E5
open bushland summer	68	6,47	0,38	0,05	3,40	29,9	21,5	0,81	0,44	0,43	0,72	0,71
open bushland winter	53	5,34	0,47	0,06	3,13	22,9	16,0	0,79	0,43	0,42	0,70	0,69
dense bushland summer	44	4,78	0,49	0,07	3,07	21,5	15,4	0,81	0,49	0,48	0,71	0,70
dense bushland winter	53	5,66	0,53	0,06	3,21	24,8	16,5	0,81	0,47	0,46	0,66	0,65
open plain summer	39	3,89	0,30	0,16	2,48	11,9	6,4	0,68	0,31	0,29	0,53	0,49
open plain winter	59	5,42	0,28	0,07	3,14	23,1	15,2	0,77	0,39	0,38	0,66	0,64
open sandplain/dunes summer	97	9,91	0,76	0,11	3,25	25,8	8,8	0,71	0,27	0,26	0,34	0,31
open sandplain/dunes winter	80	8,34	0,70	0,12	3,12	22,6	8,4	0,71	0,28	0,27	0,37	0,34
sandplain/dunes dense veg. summer	82	8,34	0,64	0,06	3,32	27,7	15,7	0,75	0,34	0,33	0,57	0,55
sandplain/dunes dense veg. winter	57	6,24	0,64	0,10	2,93	18,6	9,6	0,72	0,33	0,32	0,52	0,49
saltmarsh summer	14	1,51	0,19	0,18	2,02	7,5	5,6	0,76	0,54	0,50	0,75	0,71
saltmarsh winter	19	1,91	0,17	0,15	2,15	8,6	6,7	0,73	0,45	0,42	0,78	0,75

Tab. AT4.2: Indices of ground vegetation analysees from permanent transects

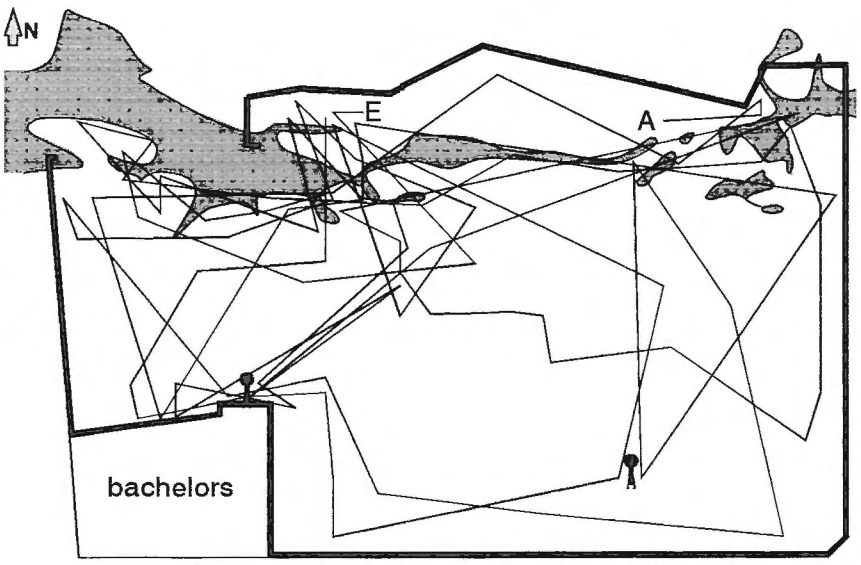
Fig.	R/N0	R/R1	R/R2	D/L	D/H'	D/N1	D/N2	E/E1	E/E2	E/E3	E/E4	E/E5
A5. 1a	22	3,45	1,05	0,12	2,38	10,8	8,5	0,77	0,49	0,47	0,79	0,77
A5. 1b	27	4,10	1,13	0,08	2,82	16,8	13,2	0,86	0,62	0,61	0,79	0,78
A5. 1c	21	3,32	1,03	0,13	2,32	10,2	7,7	0,76	0,48	0,46	0,76	0,73
A5. 2a	17	2,74	0,91	0,19	2,02	7,5	5,3	0,71	0,44	0,41	0,71	0,66
A5. 2b	21	3,41	1,12	0,16	2,25	9,5	6,2	0,74	0,45	0,42	0,66	0,62
A5. 2c	21	3,82	1,54	0,12	2,47	11,8	8,4	0,81	0,56	0,54	0,71	0,68
A5. 3a	10	1,67	0,67	0,37	1,38	4,0	2,7	0,60	0,40	0,33	0,68	0,57
A5. 3b	12	1,88	0,65	0,31	1,61	5,0	3,3	0,65	0,42	0,36	0,65	0,56
A5. 3c	8	1,36	0,61	0,34	1,33	3,8	2,9	0,64	0,47	0,40	0,77	0,69
A5. 4a	20	3,02	0,86	0,17	2,19	8,9	5,8	0,73	0,44	0,42	0,65	0,60
A5. 4b	29	4,43	1,23	0,09	2,77	16,0	10,9	0,82	0,55	0,54	0,68	0,66
A5. 4c	23	3,62	1,10	0,12	2,46	11,7	8,2	0,78	0,51	0,49	0,70	0,67
A5. 5a	11	1,73	0,61	0,24	1,66	5,3	4,1	0,69	0,48	0,43	0,78	0,73
A5. 5b	16	2,60	0,90	0,21	2,00	7,4	4,8	0,72	0,46	0,43	0,65	0,60
A5. 5c	11	1,85	0,74	0,20	1,89	6,6	5,0	0,79	0,60	0,56	0,75	0,70
A5. 6a	14	2,35	0,88	0,19	1,94	7,0	5,3	0,74	0,50	0,46	0,75	0,71
A5. 6b	19	3,19	1,13	0,11	2,47	11,9	9,1	0,84	0,62	0,60	0,77	0,65
A5. 6c	16	2,69	0,98	0,13	2,30	10,0	7,5	0,83	0,62	0,60	0,75	0,72
A5. 7a	13	2,33	0,99	0,54	1,17	3,2	1,8	0,46	0,25	0,18	0,57	0,38
A5. 7b	10	1,70	0,71	0,75	0,67	2,0	1,3	0,29	0,20	0,11	0,68	0,35
A5. 7c	12	2,11	0,89	0,73	0,72	2,0	1,4	0,29	0,17	0,09	0,67	0,36
A5. 8a	9	1,75	0,92	0,24	1,61	5,0	4,1	0,73	0,55	0,50	0,82	0,77
A5. 8b	8	1,64	0,94	0,26	1,59	5,0	3,8	0,76	0,61	0,56	0,78	0,72
A5. 8c	6	1,23	0,78	0,36	1,23	3,4	2,8	0,68	0,57	0,48	0,81	0,74
A5. 9a	14	2,74	1,31	0,31	1,75	5,8	3,3	0,66	0,41	0,37	0,57	0,47
A5. 9b	13	2,85	1,59	0,10	2,29	9,9	9,6	0,89	0,76	0,74	0,97	0,96
A5. 9c	15	3,26	1,76	0,12	2,28	9,8	8,3	0,84	0,65	0,63	0,84	0,82
A5.10a	10	1,83	0,86	0,26	1,58	4,9	3,9	0,69	0,49	0,43	0,80	0,74
A5.10b	9	1,76	0,93	0,23	1,62	5,1	4,3	0,74	0,56	0,51	0,85	0,81
A5.10c	9	1,86	1,05	0,30	1,42	4,2	3,4	0,65	0,46	0,39	0,81	0,75
A5.11a	12	2,54	1,38	0,18	1,96	7,1	5,7	0,79	0,59	0,55	0,80	0,77
A5.11b	9	2,03	1,26	0,16	1,92	6,9	6,3	0,88	0,76	0,73	0,92	0,90
A5.11c	12	2,86	1,75	0,11	2,22	9,2	8,7	0,89	0,77	0,75	0,94	0,94
A5.12a	5	0,77	0,37	0,32	1,30	3,7	3,1	0,80	0,73	0,66	0,85	0,79
A5.12b	8	1,34	0,59	0,29	1,43	4,2	3,5	0,69	0,52	0,46	0,82	0,77
A5.12c	5	0,76	0,36	0,31	1,34	3,8	3,3	0,84	0,77	0,71	0,85	0,80

Tab. AT4.3: Indices of ground vegetation analysees from random samples

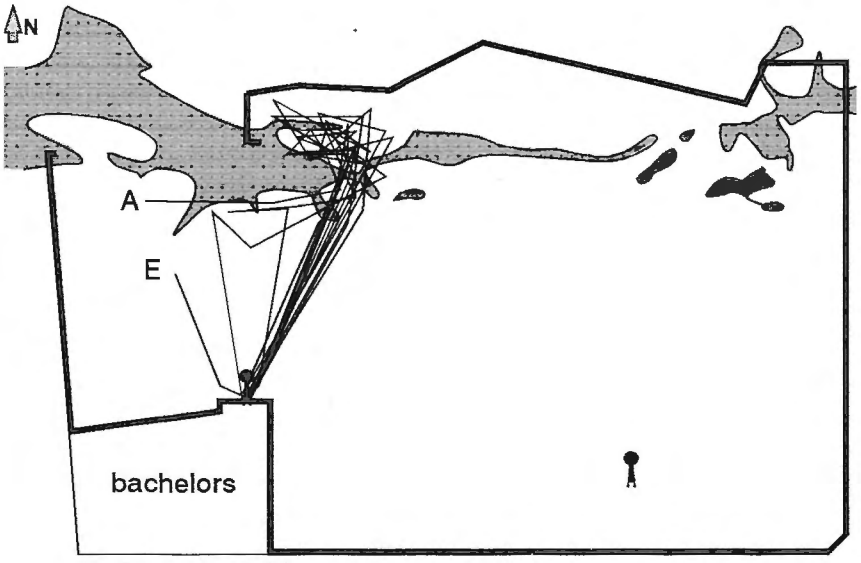
Fig.	R/N0	R/R1	R/R2	D/L	D/H'	D/H1	D/H2	E/E1	E/E2	E/E3	E/E4	E/E5
A6. 1	11	2,06	0,97	0,20	1,87	6,5	5,0	0,78	0,59	0,55	0,77	0,73
A6. 2	9	1,52	0,65	0,28	1,53	4,6	3,5	0,70	0,51	0,45	0,76	0,70
A6. 3	12	1,91	0,67	0,44	1,26	3,5	2,3	0,51	0,30	0,23	0,64	0,49
A6. 4	14	2,43	0,96	0,14	2,13	8,4	6,9	0,81	0,60	0,57	0,82	0,80
A6. 5	24	3,82	1,19	0,10	2,57	13,0	9,7	0,81	0,54	0,52	0,74	0,72
A6. 6	16	2,68	0,97	0,14	2,30	10,0	7,1	0,83	0,62	0,60	0,71	0,68
A6. 7	12	2,04	0,81	0,13	2,16	8,6	7,5	0,87	0,72	0,69	0,87	0,85
A6. 8	20	3,18	1,01	0,10	2,55	12,9	10,3	0,85	0,64	0,62	0,80	0,78
A6. 9	20	3,26	1,09	0,11	2,49	12,0	9,5	0,83	0,60	0,58	0,79	0,77
A6.10	15	2,25	0,67	0,15	2,14	8,5	6,5	0,79	0,57	0,54	0,77	0,74
A6.11	15	2,44	0,85	0,18	2,01	7,4	5,4	0,74	0,50	0,46	0,73	0,69
A6.12	15	2,43	0,84	0,16	2,05	7,7	6,1	0,76	0,52	0,48	0,79	0,76
A6.13	15	2,02	0,47	0,36	1,58	4,9	2,8	0,58	0,32	0,28	0,57	0,45
A6.14	17	2,47	0,67	0,15	2,27	9,7	6,8	0,80	0,57	0,54	0,71	0,68
A6.15	11	1,65	0,53	0,42	1,33	3,8	2,4	0,56	0,34	0,28	0,63	0,50
A6.16	10	1,70	0,71	0,61	0,96	2,6	1,7	0,42	0,26	0,18	0,63	0,40
A6.17	13	2,99	1,75	0,13	2,17	8,7	7,7	0,85	0,67	0,64	0,88	0,86
A6.18	9	1,51	0,64	0,50	1,09	3,0	2,0	0,50	0,33	0,25	0,68	0,51
A6.19	9	1,72	0,87	0,31	1,51	4,5	3,3	0,69	0,50	0,44	0,72	0,64
A6.20	17	3,02	1,21	0,26	1,85	6,3	3,8	0,65	0,37	0,33	0,60	0,53
A6.21	20	3,04	0,88	0,16	2,20	9,0	6,3	0,73	0,45	0,42	0,70	0,66
A6.22	17	3,13	1,32	0,12	2,28	9,8	8,3	0,81	0,58	0,55	0,84	0,83
A6.23	16	2,64	0,93	0,20	1,98	7,2	5,0	0,71	0,45	0,41	0,69	0,65
A6.24	23	4,04	1,51	0,32	1,79	6,0	3,2	0,57	0,26	0,23	0,53	0,44
A6.25	7	1,02	0,37	0,43	1,08	2,0	2,3	0,56	0,42	0,32	0,79	0,68
A6.26	9	1,29	0,40	0,19	1,79	6,0	5,3	0,81	0,67	0,62	0,80	0,85
A6.27	8	1,25	0,49	0,22	1,68	5,4	4,5	0,81	0,67	0,62	0,83	0,79

Tab. AT4.4: Indices of vegetation analyses of trees & shrubs

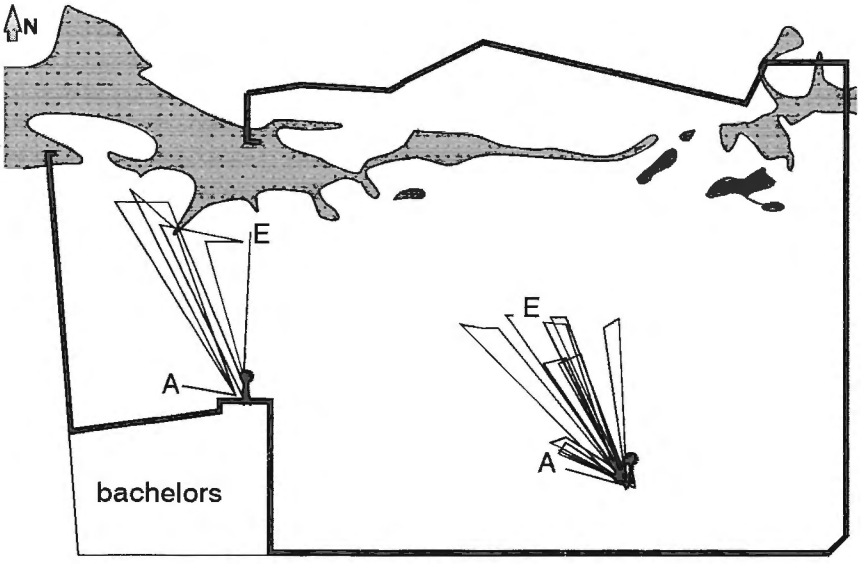
Fig.	R/N0	R/R1	R/R2	D/L	D/H'	D/H1	D/H2	E/E1	E/E2	E/E3	E/E4	E/E5
A7. 1	8	1,70	1,02	0,25	1,58	4,8	4,0	0,76	0,61	0,55	0,82	0,77
A7. 2	7	1,53	0,98	0,20	1,66	5,3	4,9	0,86	0,75	0,71	0,92	0,91
A7. 3	12	2,39	1,20	1,17	1,95	7,1	5,8	0,79	0,59	0,55	0,83	0,80
A7. 4	8	1,73	1,06	0,25	1,60	5,0	4,1	0,77	0,62	0,57	0,82	0,77
A7. 5	7	1,54	1,00	0,35	1,42	4,1	2,9	0,73	0,59	0,52	0,70	0,60
A7. 6	12	2,61	1,46	0,16	2,05	7,8	6,1	0,83	0,65	0,62	0,78	0,75
A7. 7	12	1,96	0,73	0,16	2,06	7,8	6,3	0,83	0,65	0,62	0,80	0,77
A7. 8	13	2,64	1,33	0,16	2,14	8,5	6,3	0,84	0,66	0,63	0,74	0,70
A7. 9	8	1,59	0,89	0,27	1,55	4,7	3,8	0,74	0,59	0,53	0,80	0,75
A7.10	2	1,44	1,41	0,00	0,69	2,0	0,0	1,00	1,00	1,00	1,00	1,00
A7.11	3	1,24	1,34	0,20	1,05	2,9	5,0	0,96	0,96	0,94	1,74	2,14
A7.12	3	0,87	0,95	0,22	0,64	1,9	1,6	0,58	0,63	0,45	0,85	0,68
A7.13	14	2,41	0,94	0,15	2,08	8,0	6,6	0,79	0,57	0,54	0,82	0,79
A7.14	14	3,99	2,75	0,06	2,46	11,7	15,5	0,93	0,84	0,82	1,32	1,35
A7.15	10	3,51	2,77	0,05	2,20	9,1	19,5	0,96	0,91	0,90	2,15	2,29
A7.16	12	2,31	1,11	0,19	1,98	7,3	5,4	0,80	0,61	0,57	0,74	0,69
A7.17	12	2,59	1,43	0,21	1,90	6,7	4,8	0,76	0,55	0,51	0,72	0,77
A7.18	15	3,68	2,24	0,18	2,12	8,4	5,5	0,78	0,56	0,53	0,66	0,61
A7.19	9	1,65	0,79	0,35	1,35	3,9	2,9	0,62	0,43	0,36	0,74	0,65
A7.20	11	1,69	0,57	0,78	0,61	1,8	1,3	0,25	0,17	0,08	0,70	0,34
A7.21	1	0,00	0,08	1,00	0,00	1,0	1,0	1,00	1,00	1,00	1,00	1,00
A7.22	12	2,55	1,39	0,16	1,99	7,3	6,3	0,80	0,61	0,57	0,86	0,83
A7.23	13	2,27	0,93	0,28	1,60	5,0	3,6	0,62	0,38	0,33	0,72	0,65
A7.24	15	2,82	1,25	0,43	1,42	4,1	2,4	0,52	0,27	0,22	0,57	0,43
A7.25	13	2,30	0,95	0,29	1,60	5,0	3,4	0,62	0,38	0,33	0,69	0,62



03.08. - 24.08.88

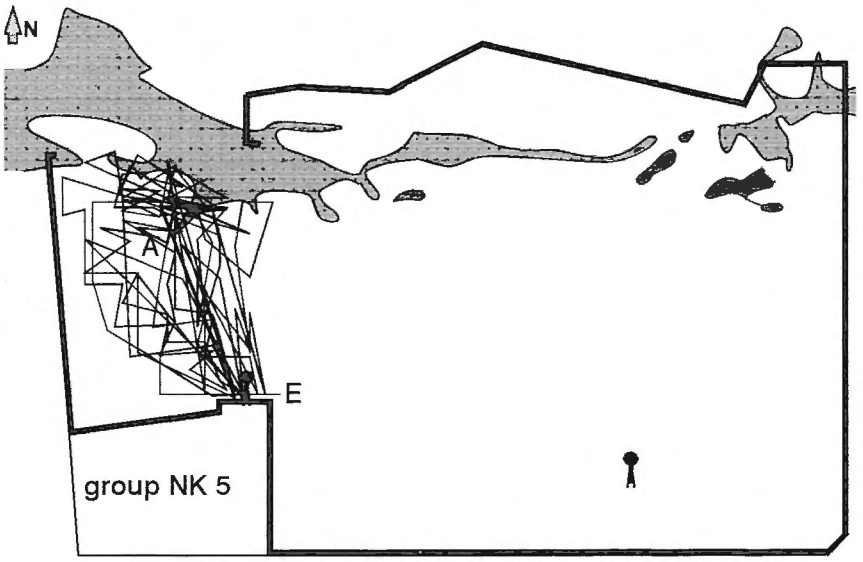


15.11. - 15.12.88

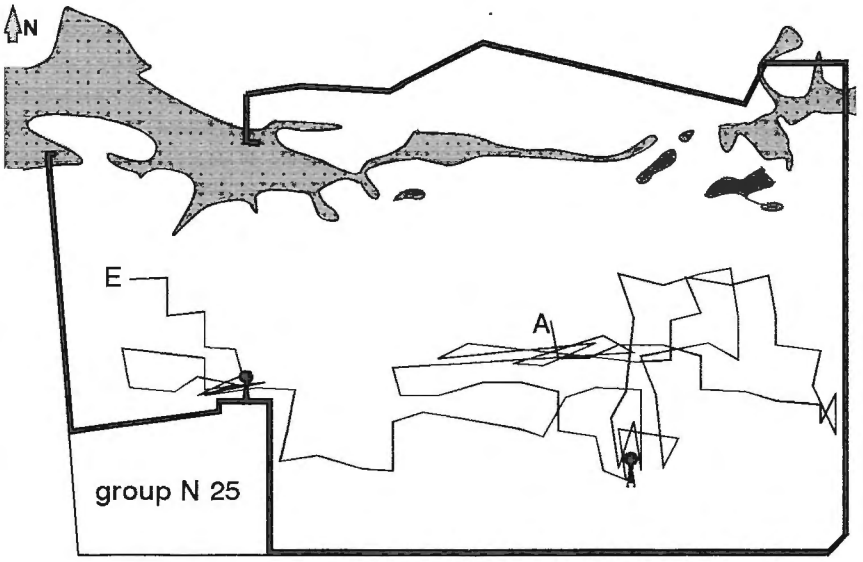


09.1. - 31.01.89

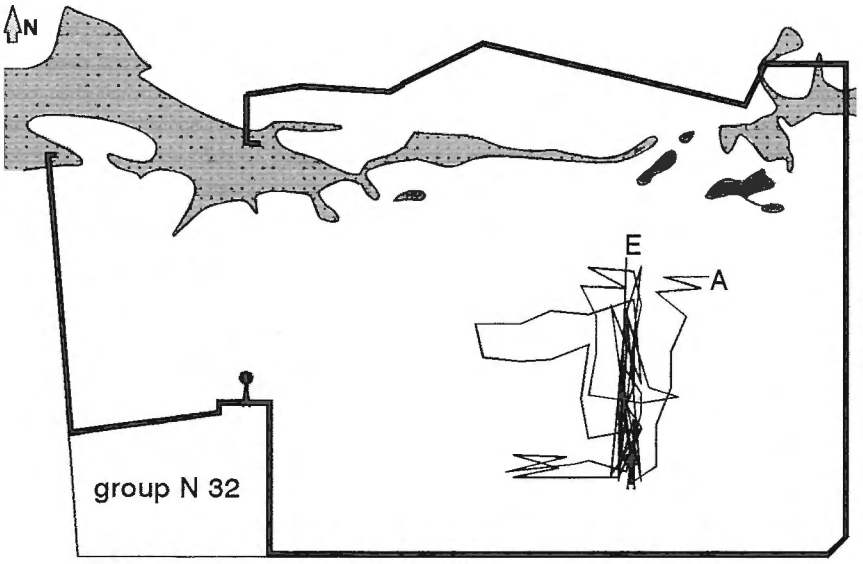
Fig. A11.1-3: range utilization patterns; A = first day, E = last day



24.02 - 10.03.89

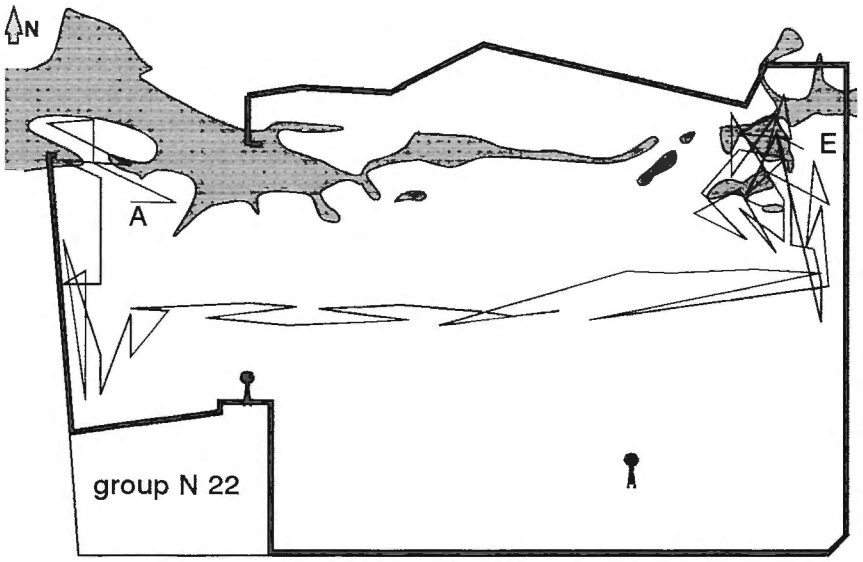


05.01. - 14.01.89

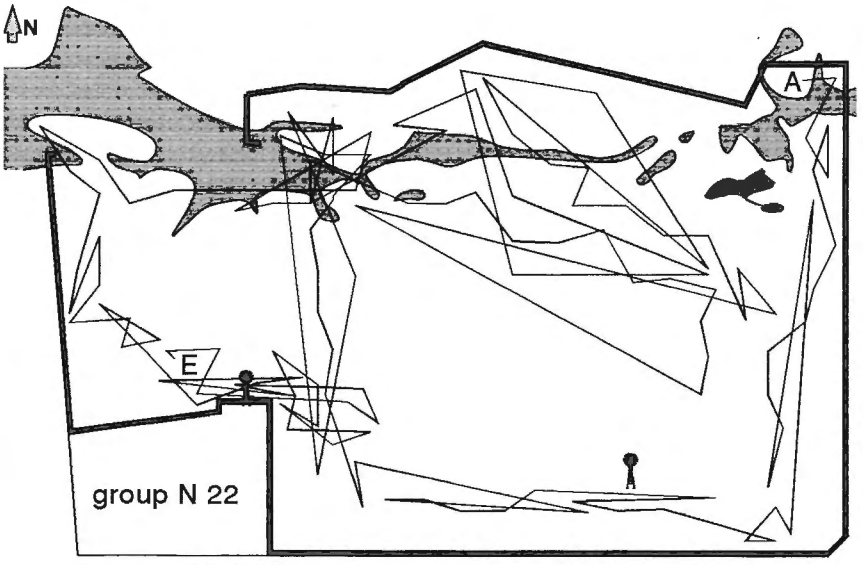


15.02. - 28.03.89

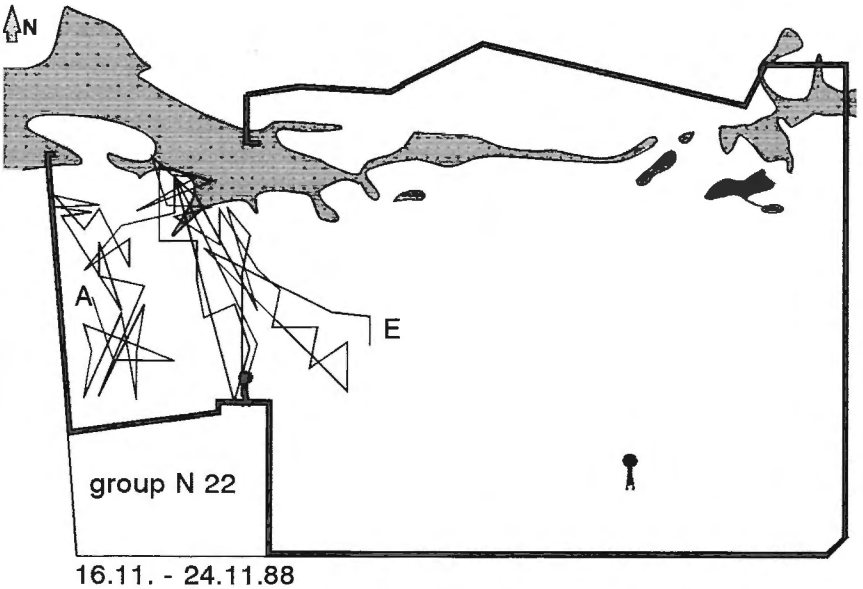
Fig. A11.4-6: range utilization patterns



22.05. - 04.06.88

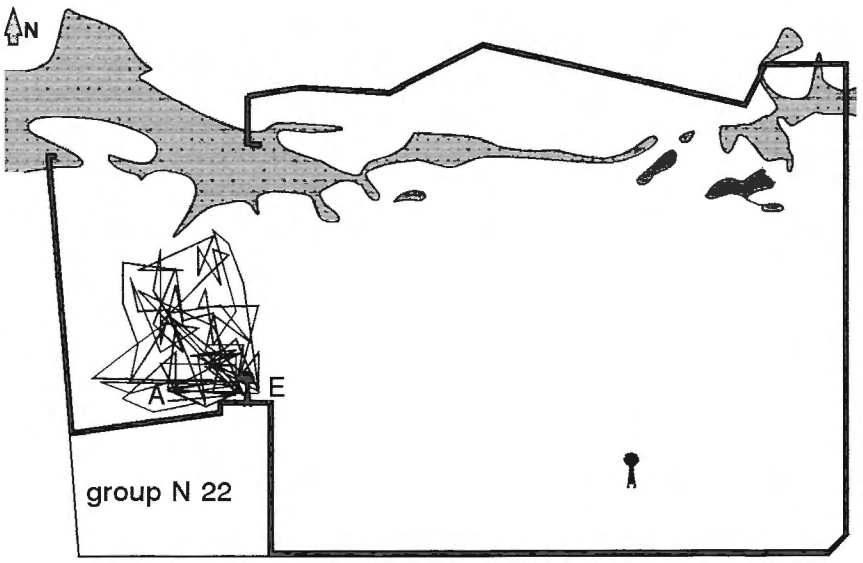


11.07. - 29.07.88

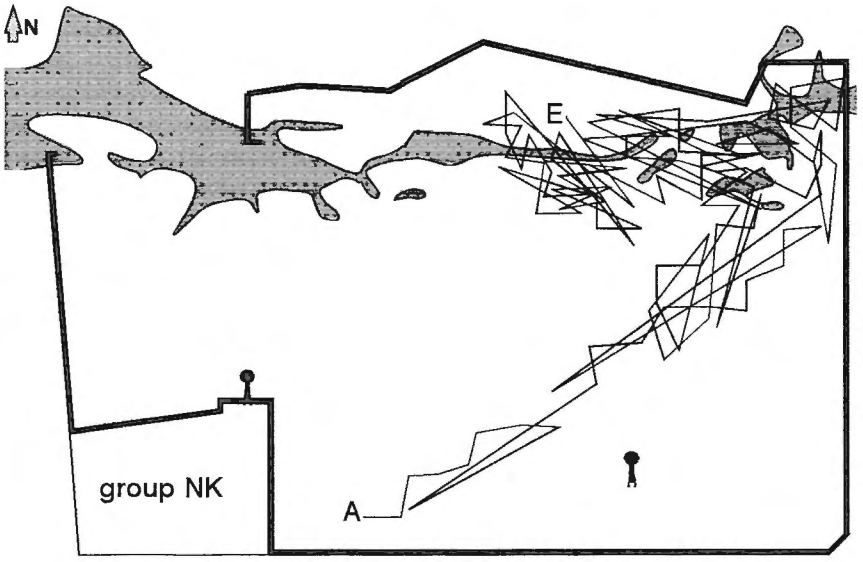


16.11. - 24.11.88

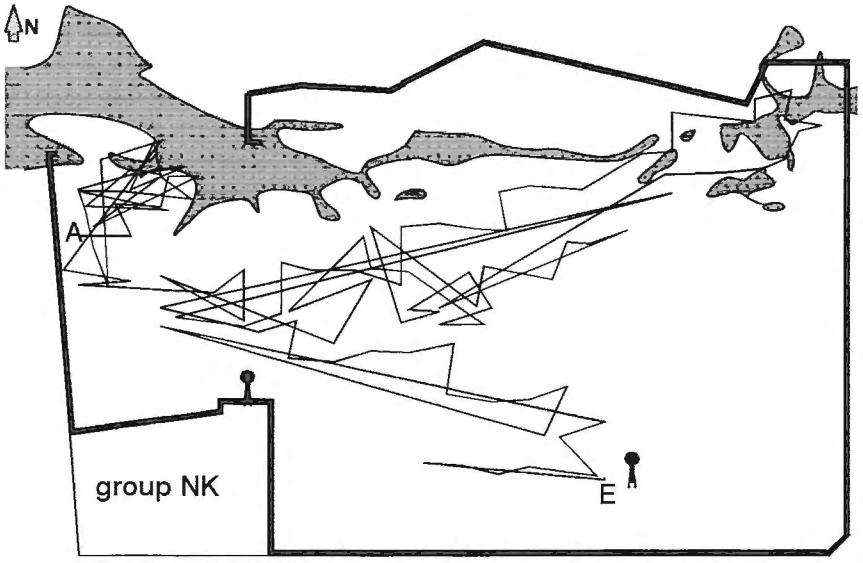
Fig. A11.7-9: range utilization patterns



18.12.88 - 14.01.89

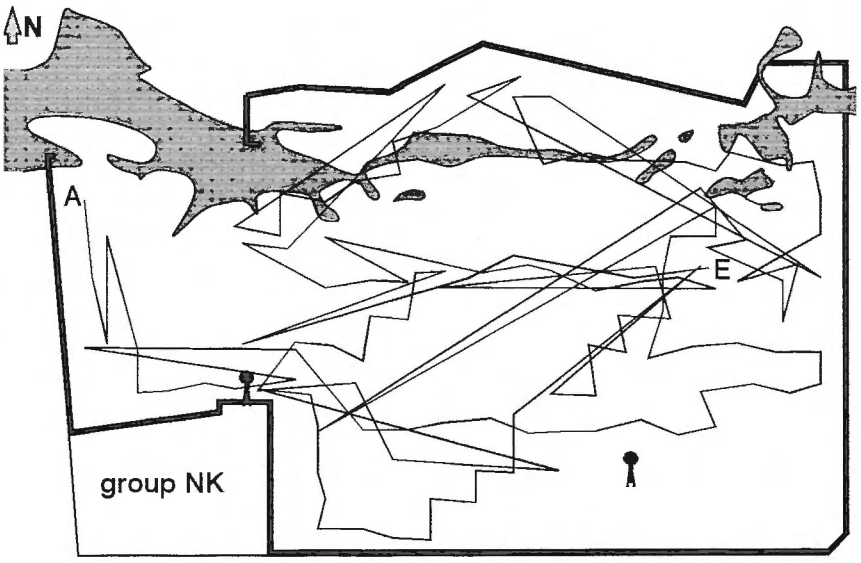


04.08. - 25.08.88

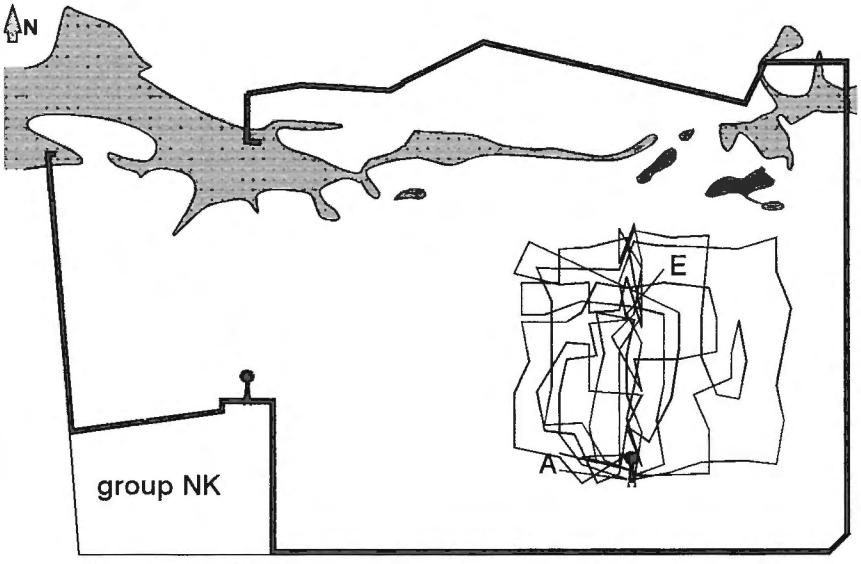


18.07. - 29.07.88

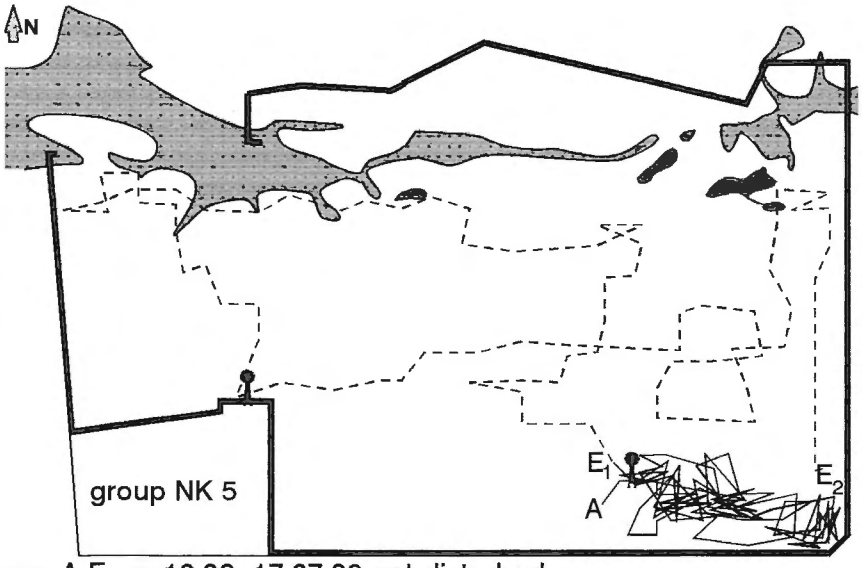
Fig. A11.10-12: range utilization patterns



22.09. - 30.09.88

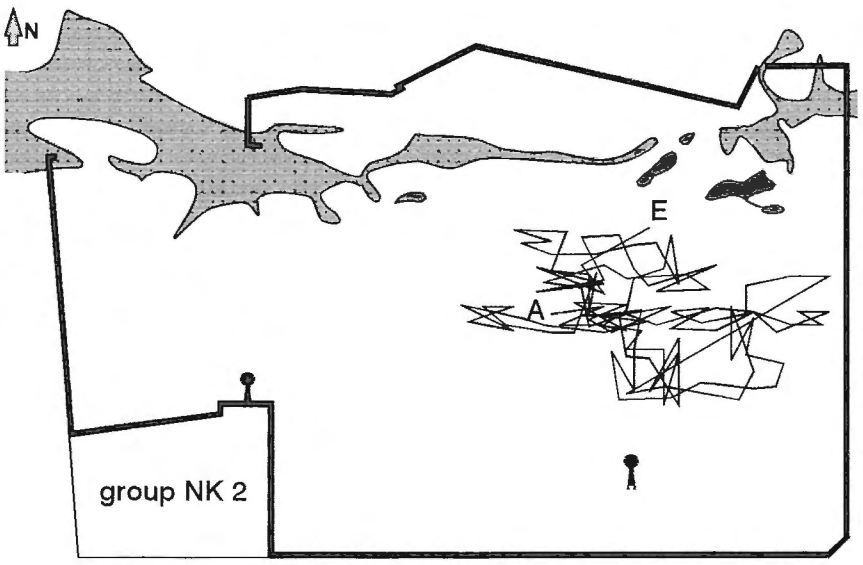


08.11. - 19.12.88

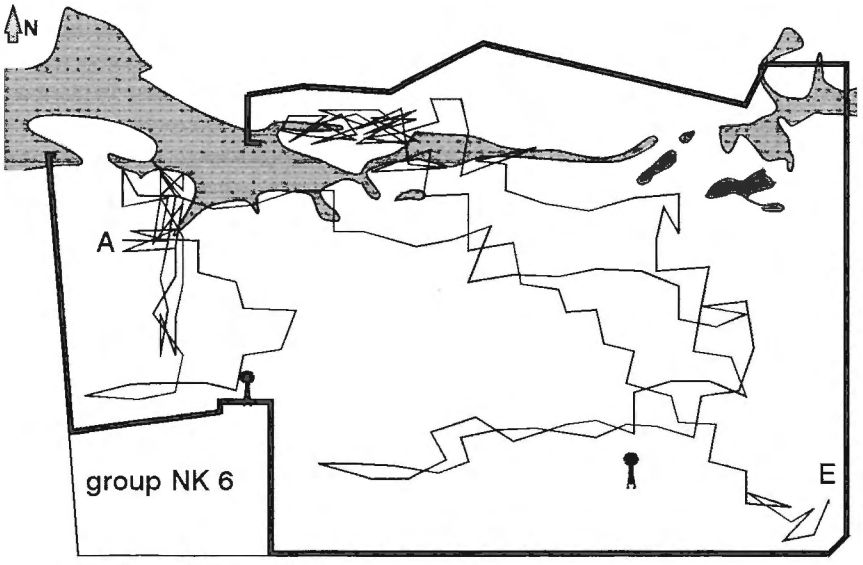


—— A-E_1 v. 12.06.-17.07.89 not disturbed
--- E_1- E_2 v. 17.07.-24.07.89 disturbed by bachelors

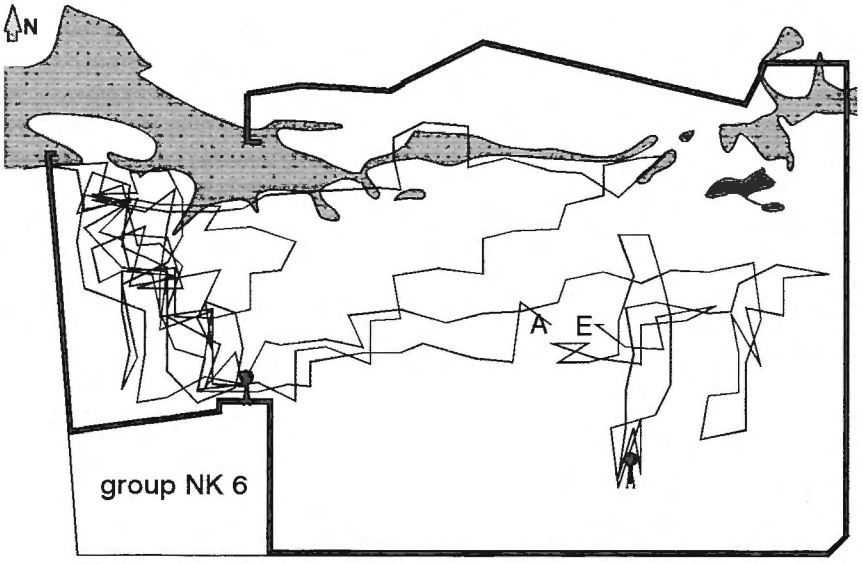
Fig. A11.13-15: range utilization patterns



08.08. - 08.09.87



06.07. - 24.07.89



30.08. - 17.09.89

Fig. A11.16-18: range utilization patterns

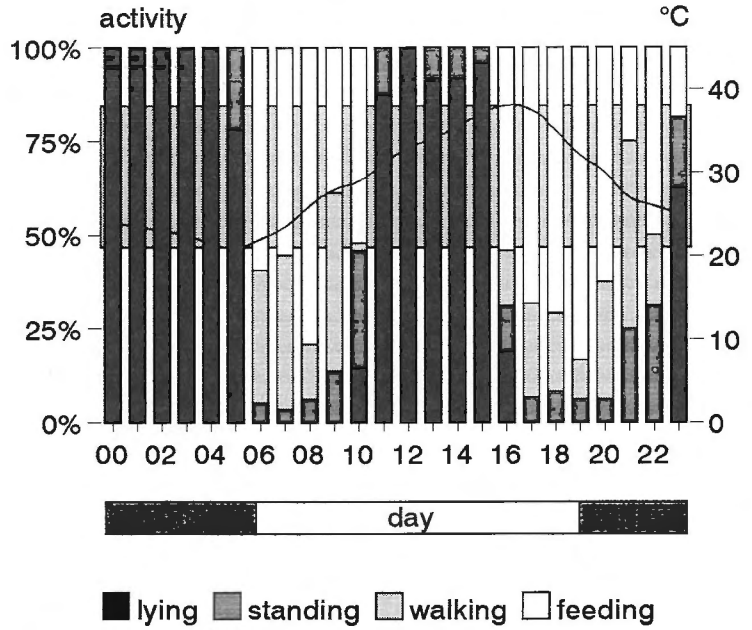


Fig. A12.1: example January (January 1989; n = 1856)

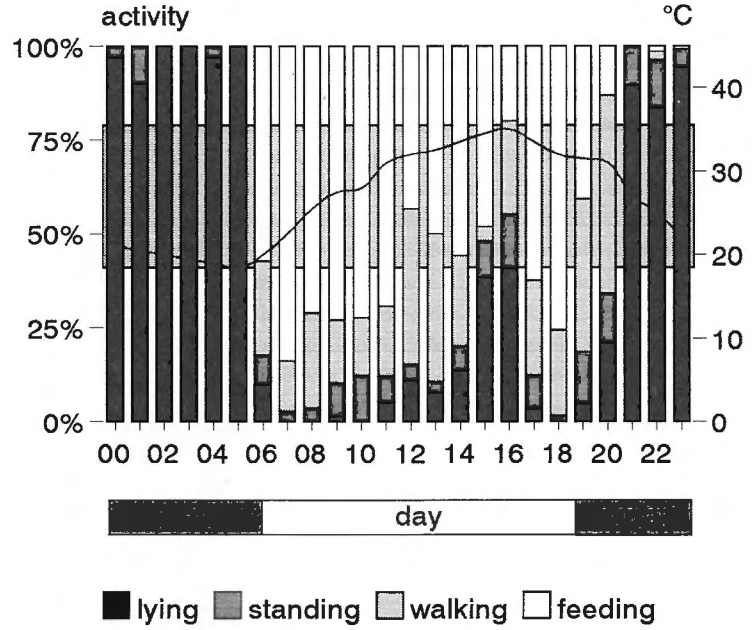


Fig. A12.2: example February (February 1987, n = 3381)

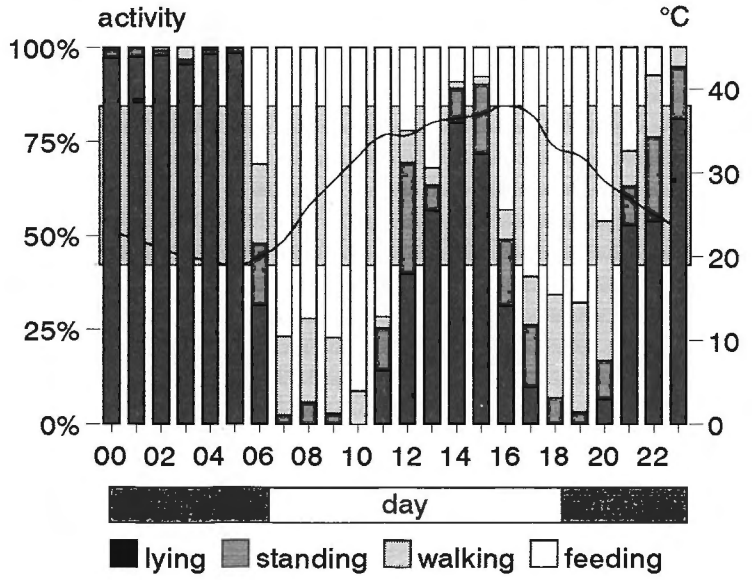


Fig. A12.3: example March (March 1987, n = 7046)

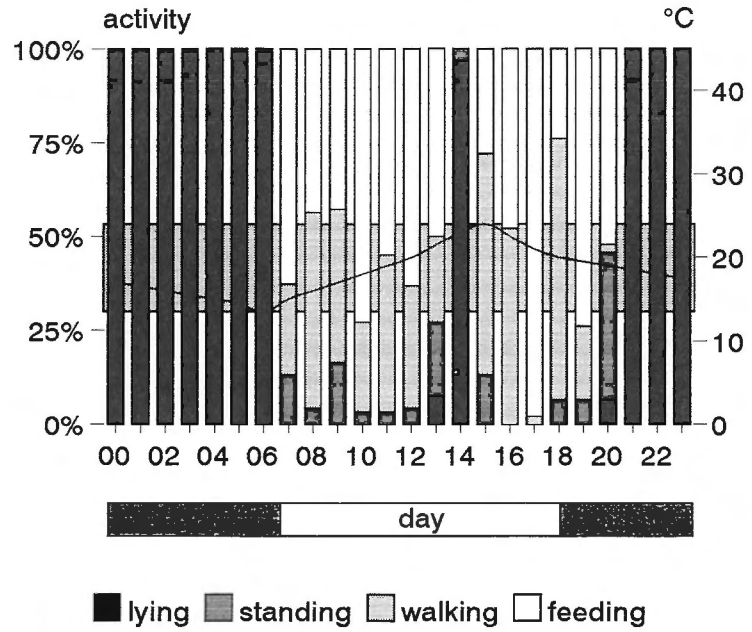


Fig. A12.4: example April (April 1989, n = 1315)

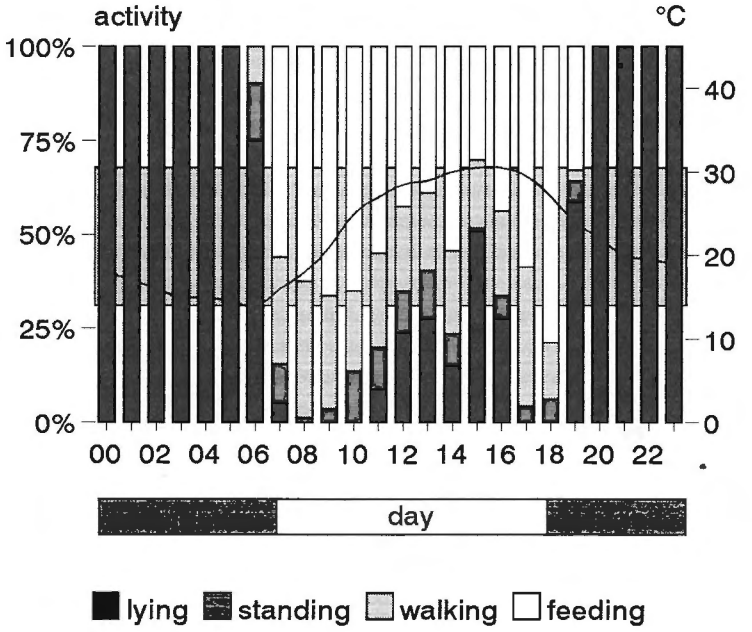


Fig. A12.5: example May (May 1988, n = 1522)

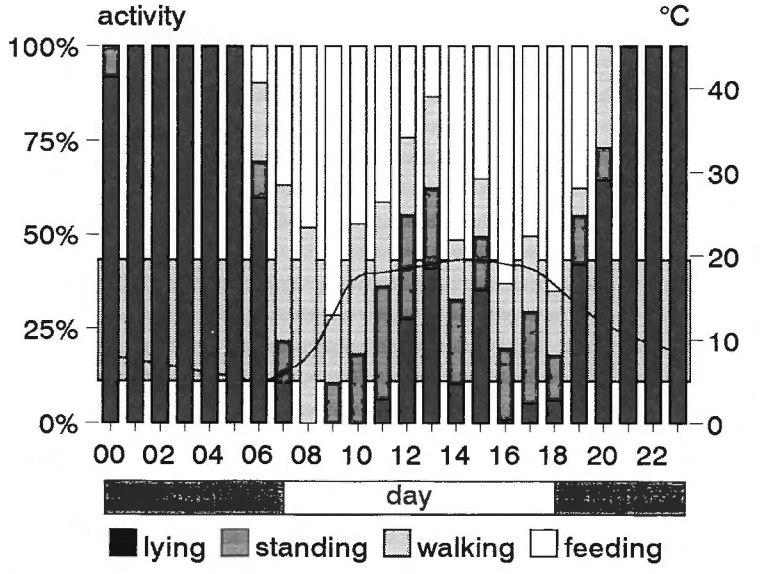


Fig. A12.6: example June (June 1988, n = 2187)

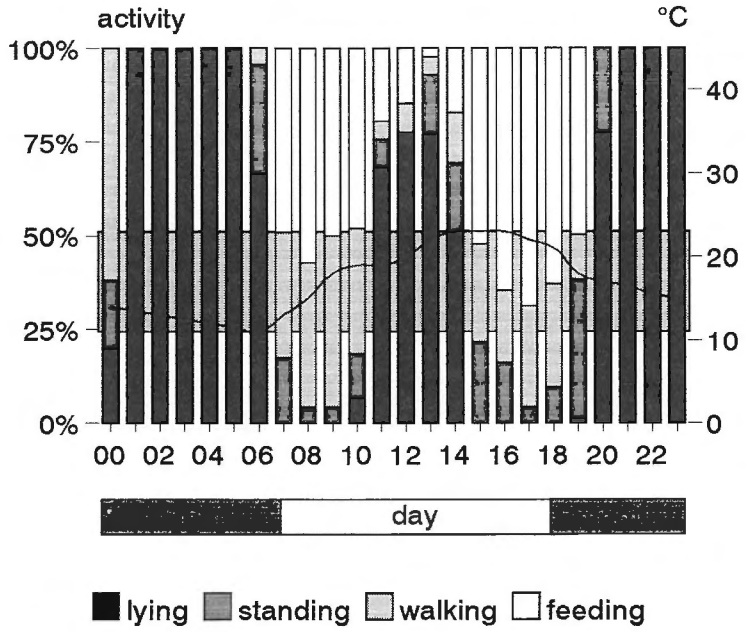


Fig. A12.7: example July (July 1988, n = 2714)

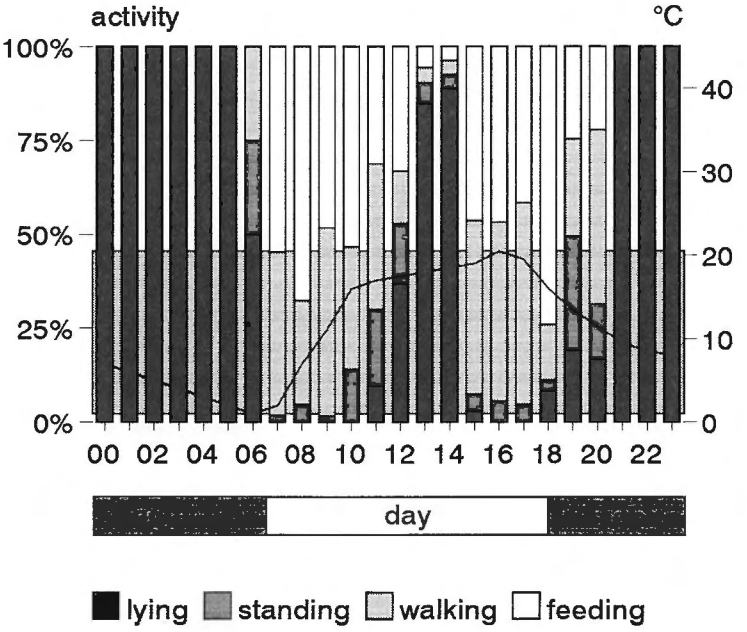


Fig. A12.8: example August (August 1988, n = 1855)

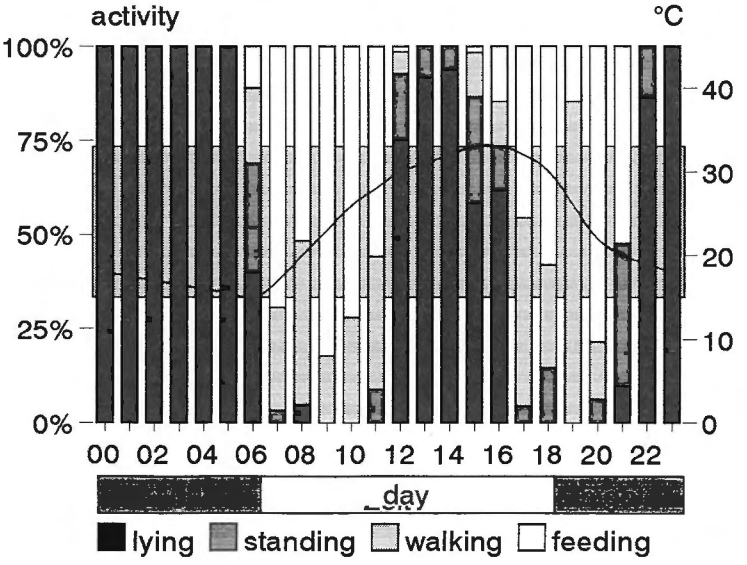


Fig. A12.9: example September (September 1988, n = 1260)

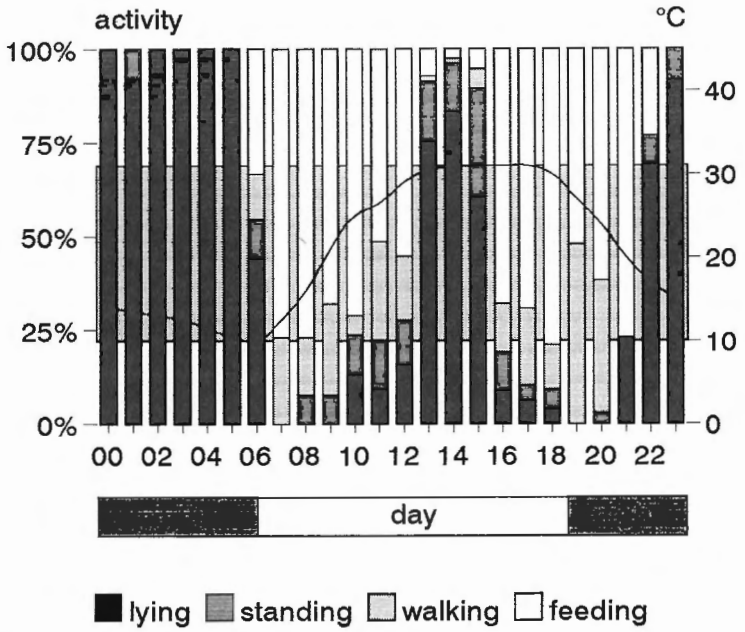


Fig. A12.10: example October (October 1987, n = 1114)

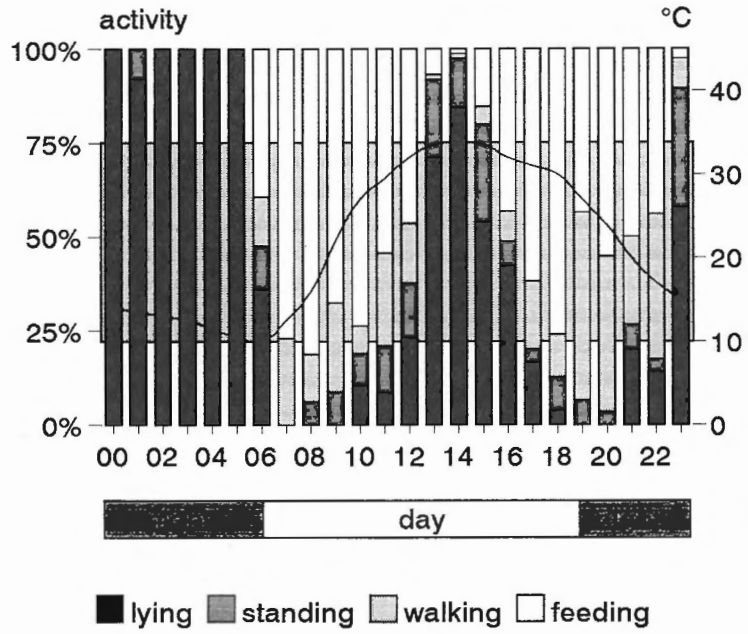


Fig. A12.11: example November (November 1988, n = 1271)

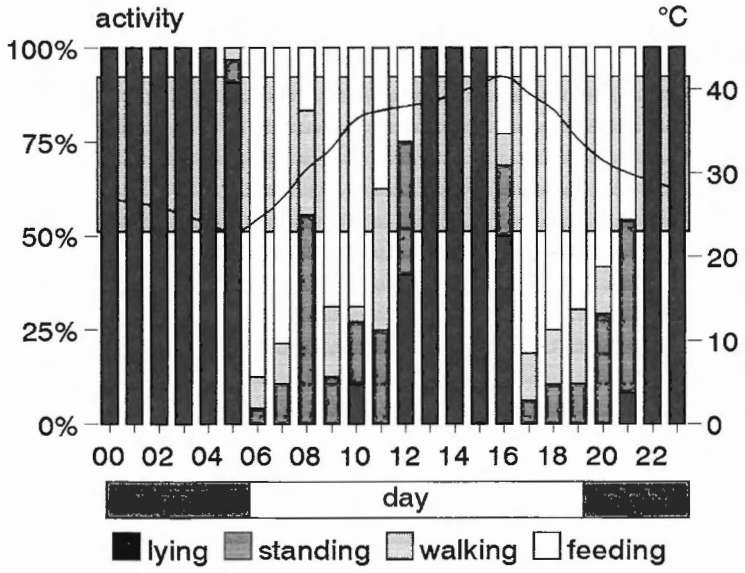
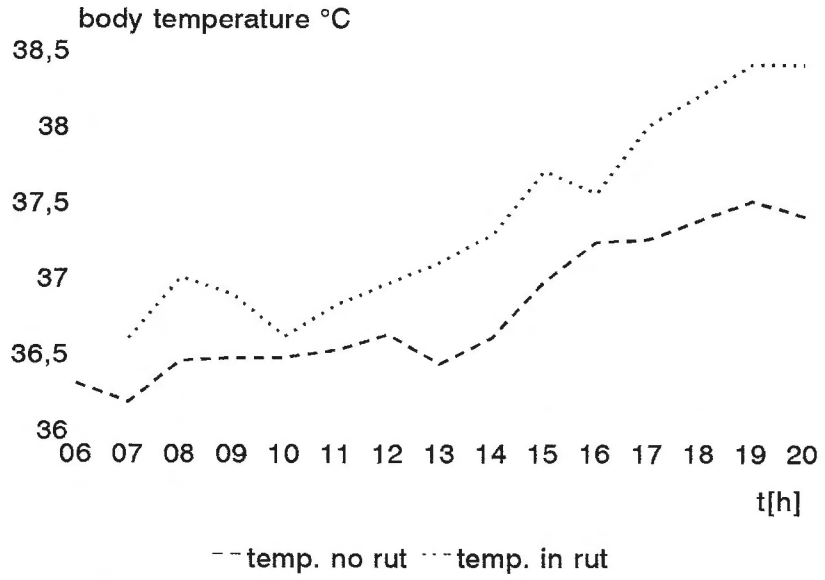
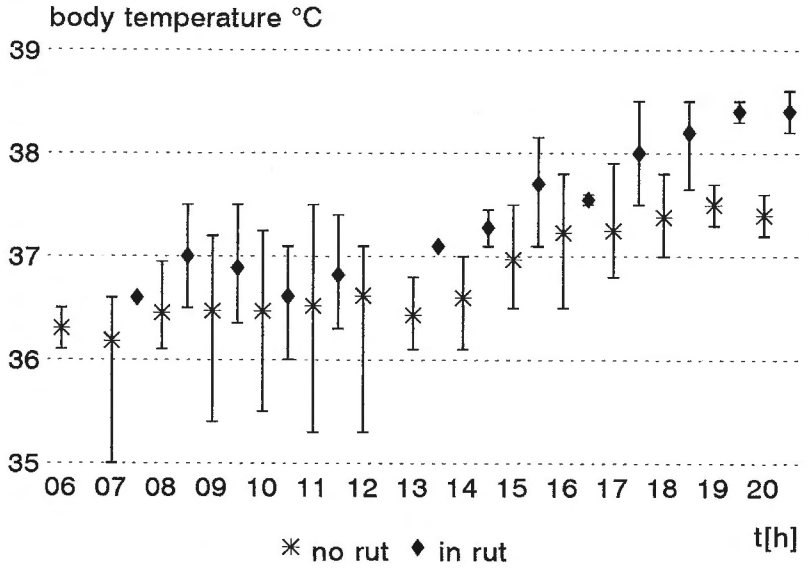


Fig. A12.12: example December (December 1988, n = 898)



adult bull Howard (Ho)



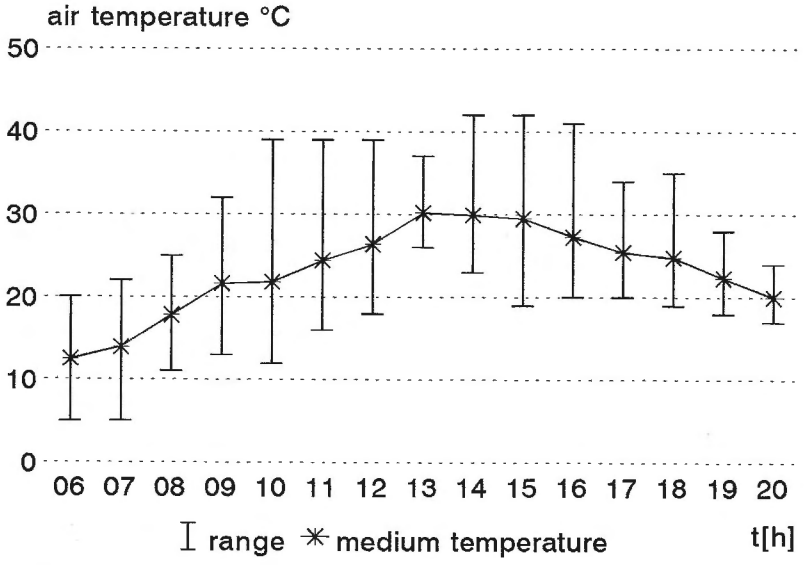
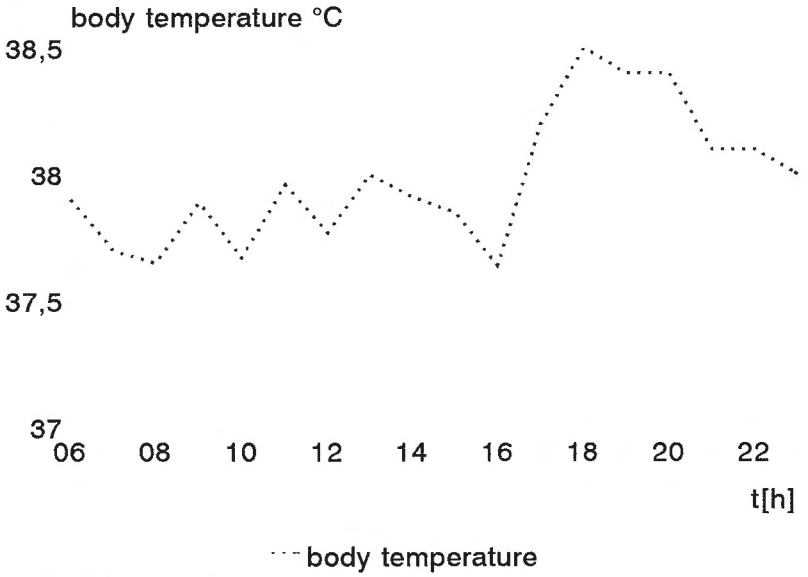
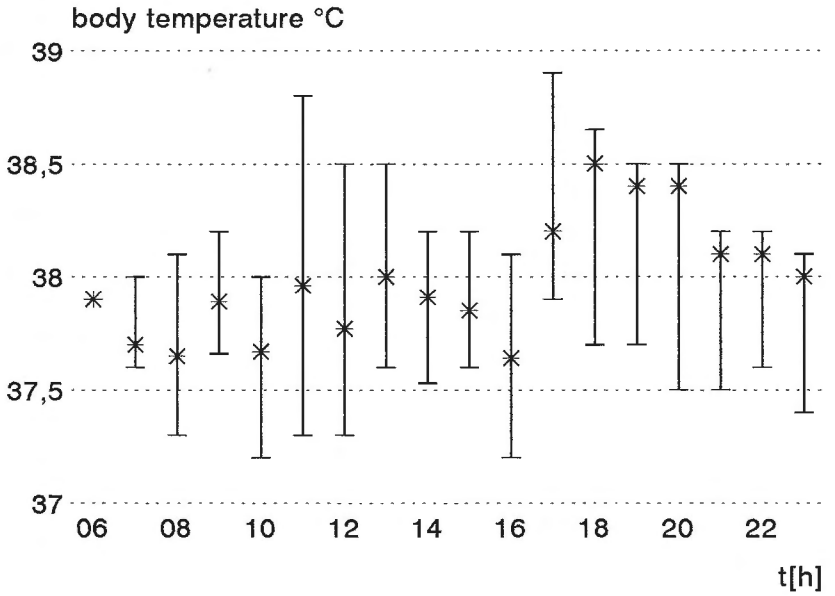


Fig. A13.1: fluctuations of body- and air temperatures



subadult bull Telson (TS)



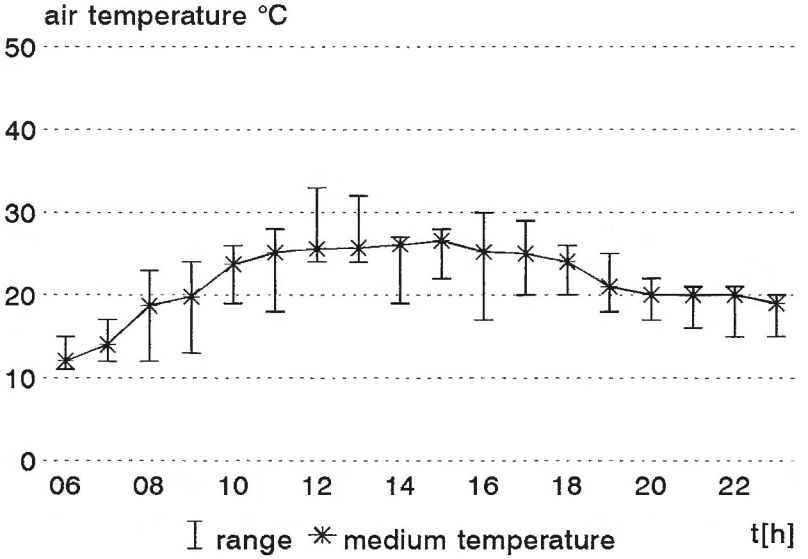
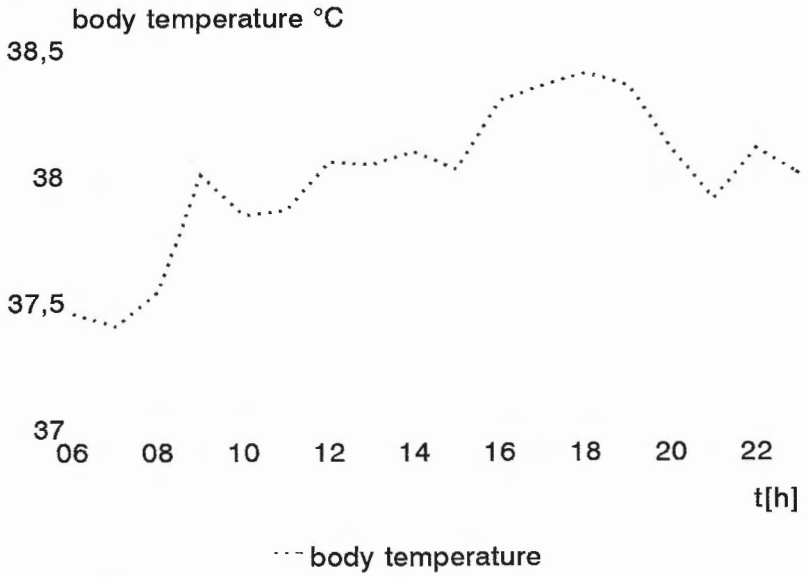
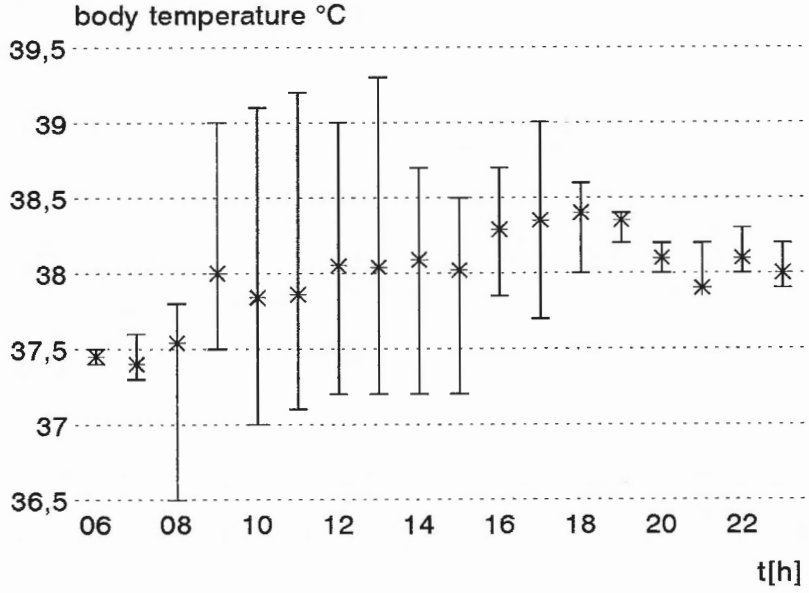


Fig. A13.2: fluctuations of body- and air temperatures



adult cow Träne (Tr)



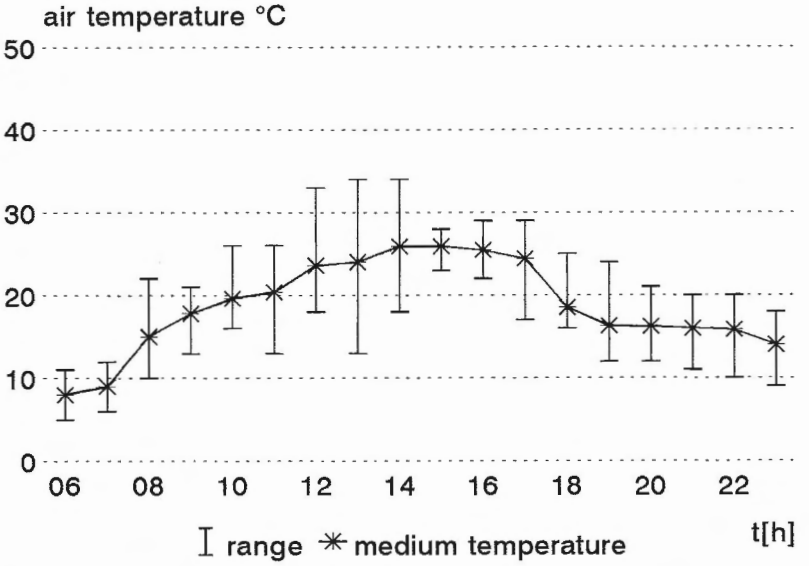
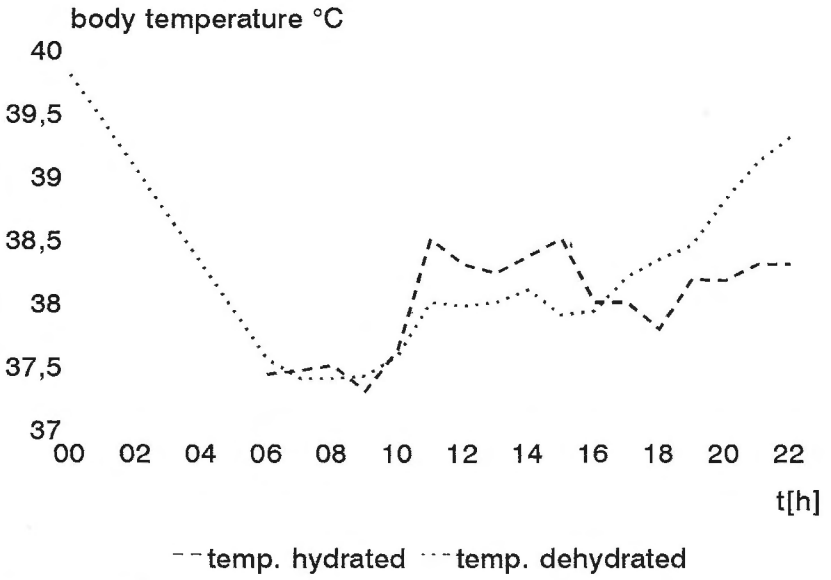
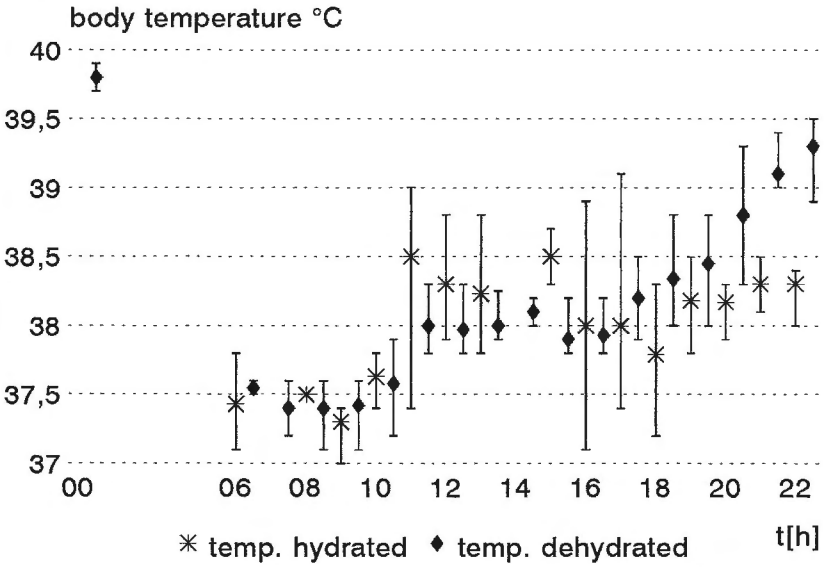


Fig. A13.3: fluctuations of body- and air temperatures



adult cow N1/8 (N8)



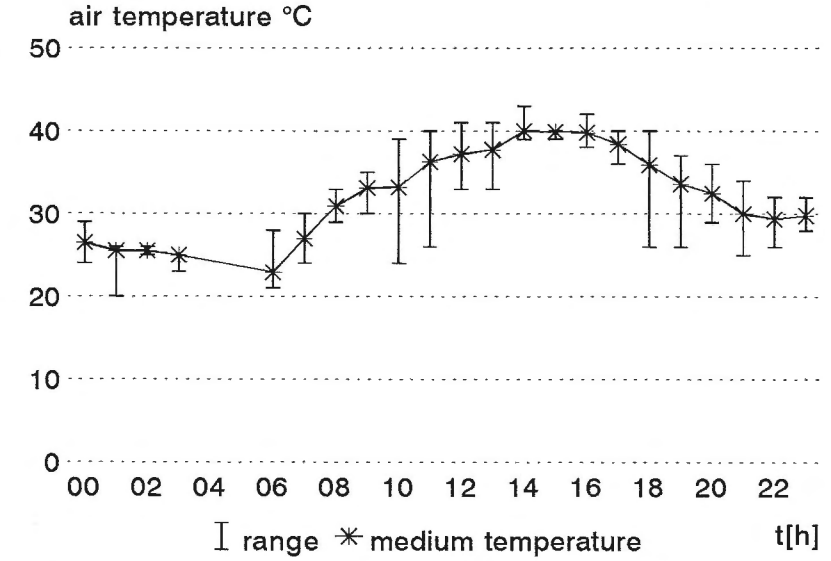
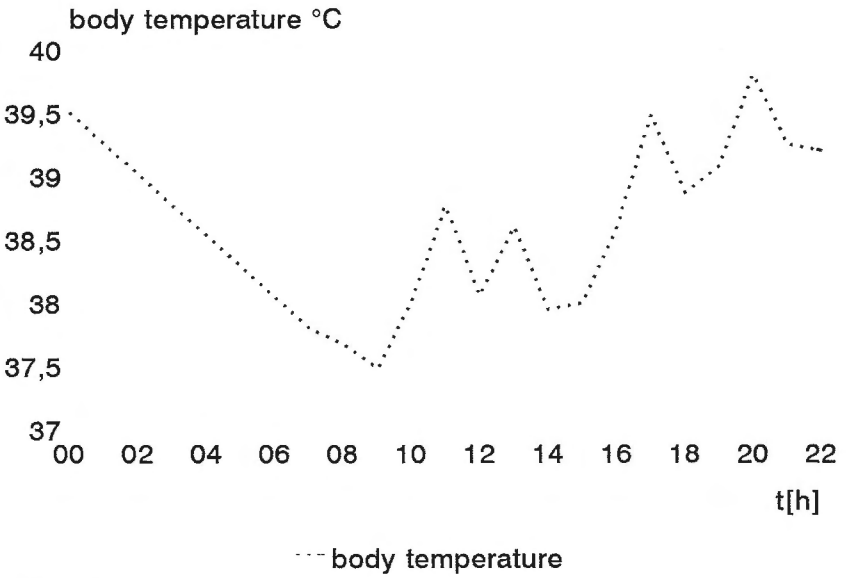
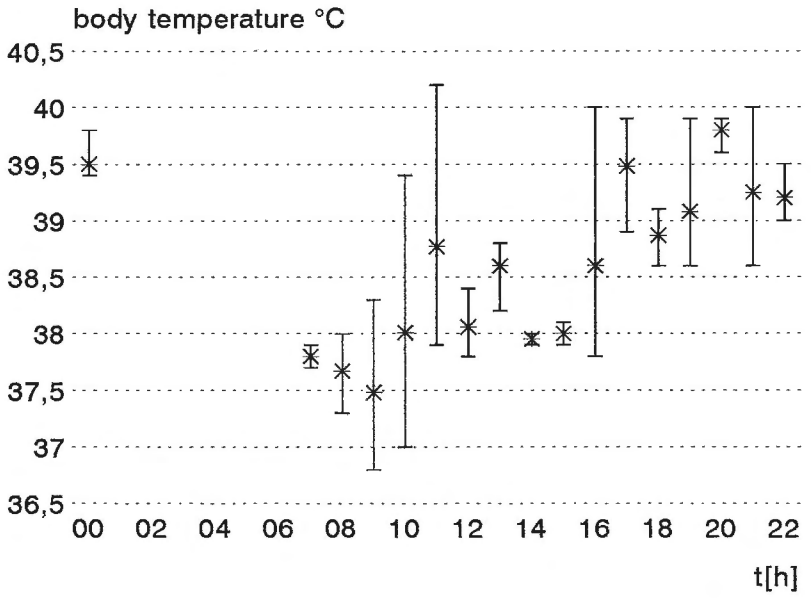


Fig. A13.4: fluctuations of body- and air temperatures



adult cow Lotta (Lo)



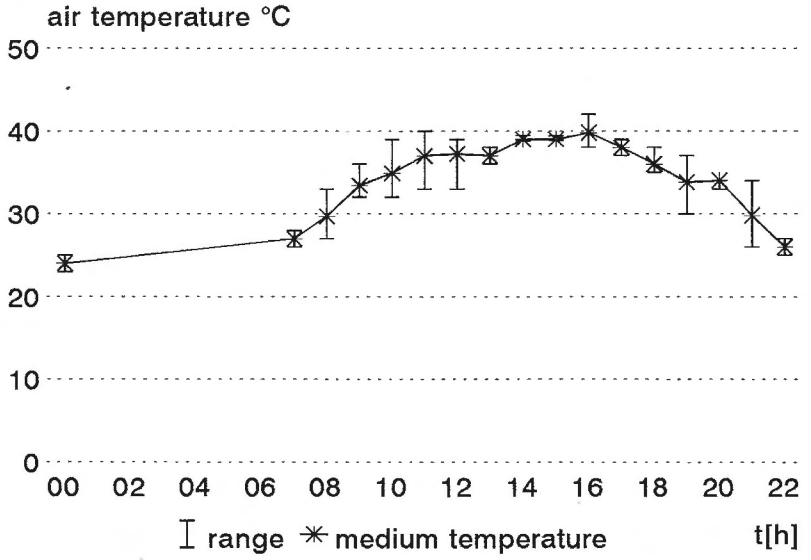
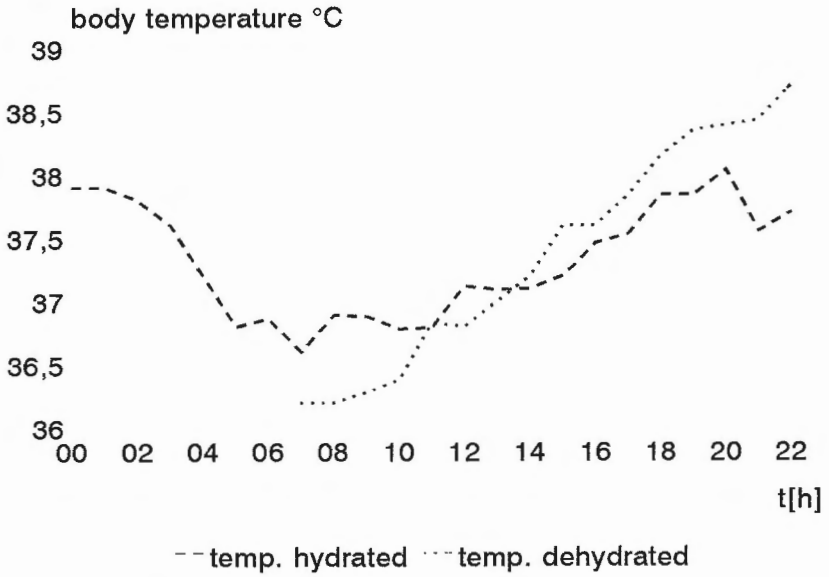
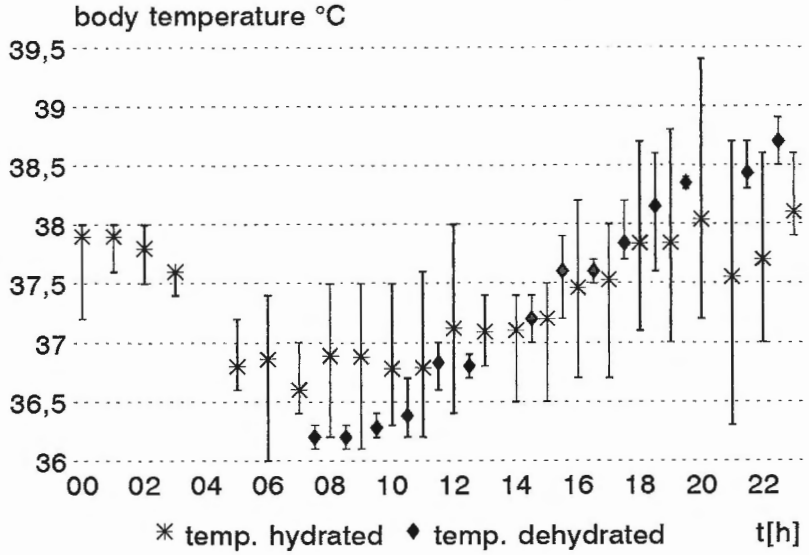


Fig. A13.5: fluctuations of body- and air temperatures



adult cow Klappi (Kl)



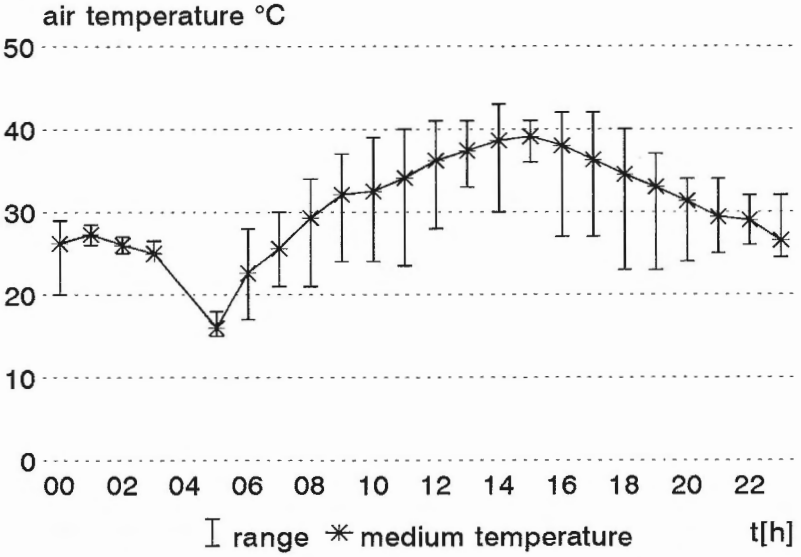


Fig. A13.6: fluctuations of body- and air temperatures

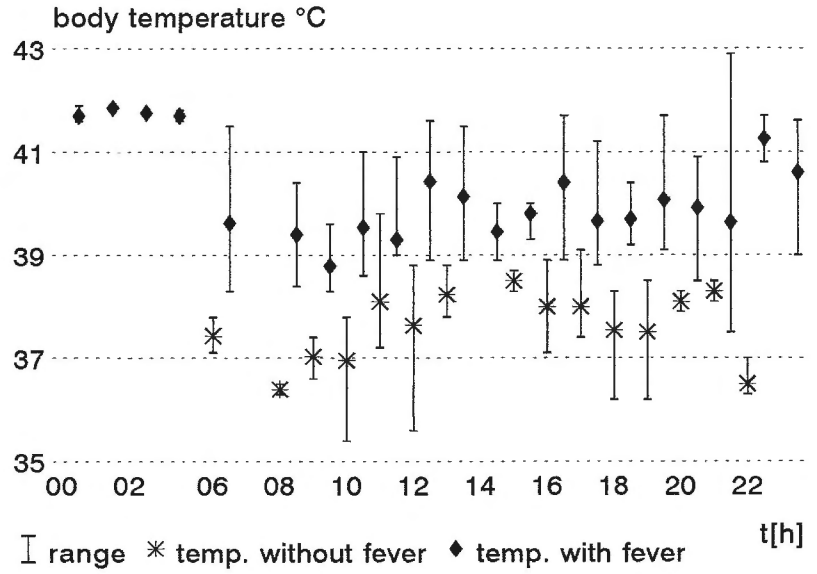


Fig. A13.7: temperature curves of cow N8 with and without fever

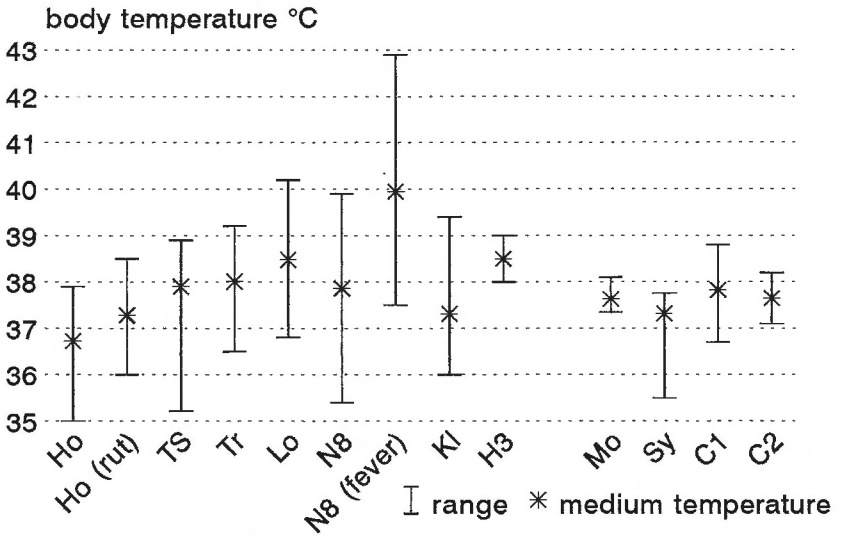
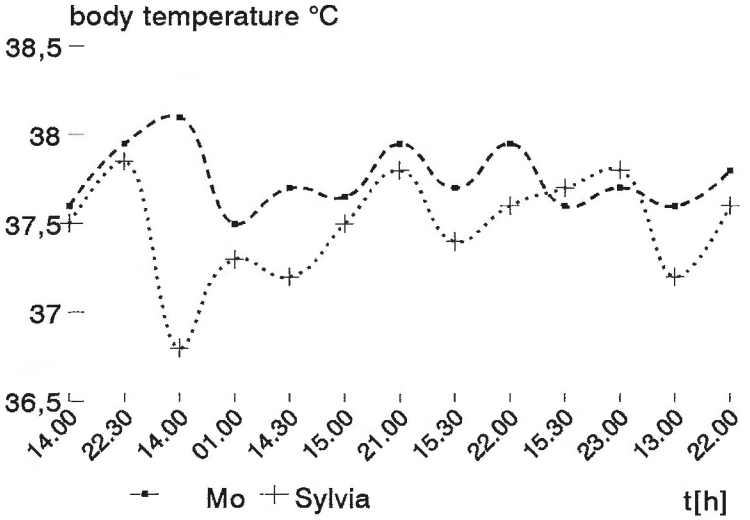


Fig. A13.8: range of body temperatures from 11 dromedaries



Mo = cow, 6 years old; Sylvia = cow, > 30 years old

Fig. A13.9: body temperatures of 2 domestic cows in summer

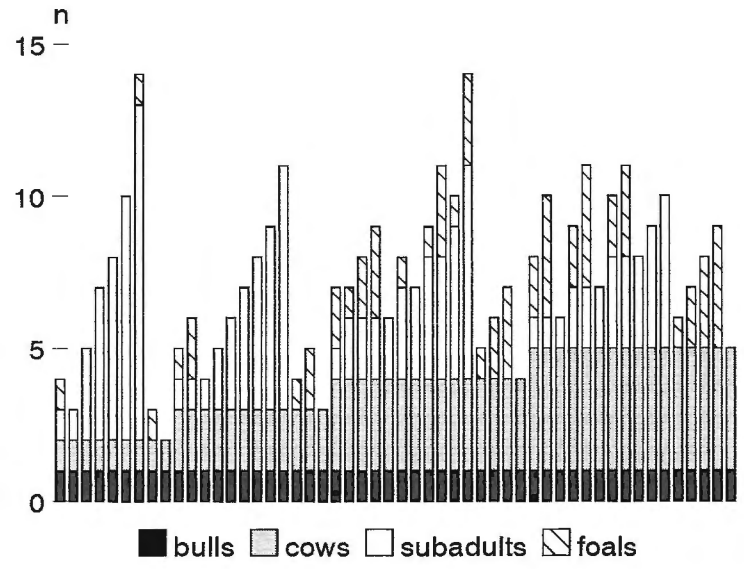


Fig. A14.1: structure of cow groups with herding bull

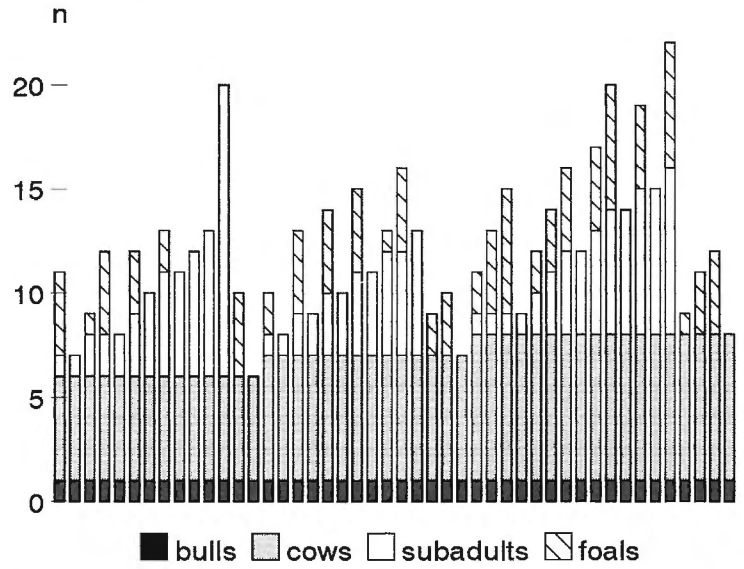


Fig. A14.2: structure of cow groups with herding bull

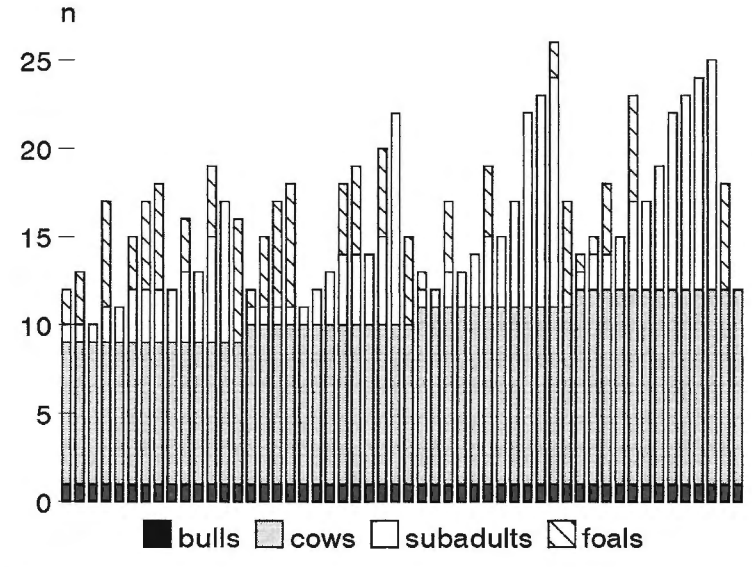


Fig. A14.3: structure of cow groups with herding bull

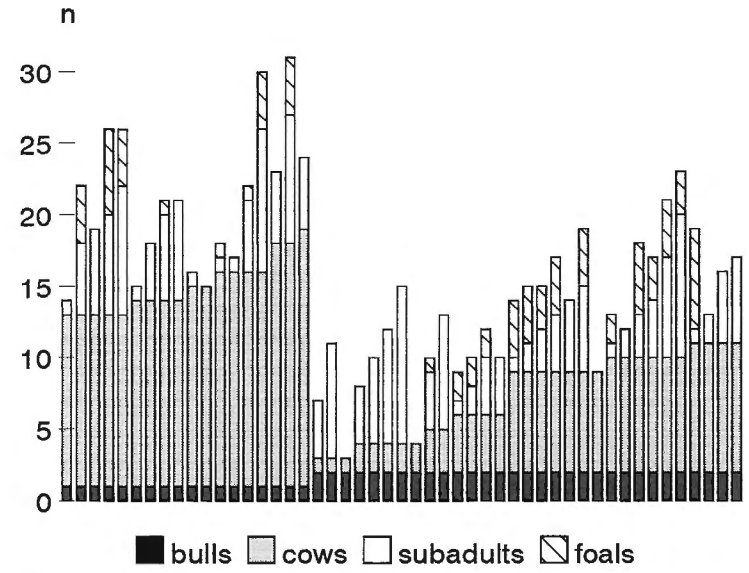


Fig. A14.4: structure of cow groups with herding bull

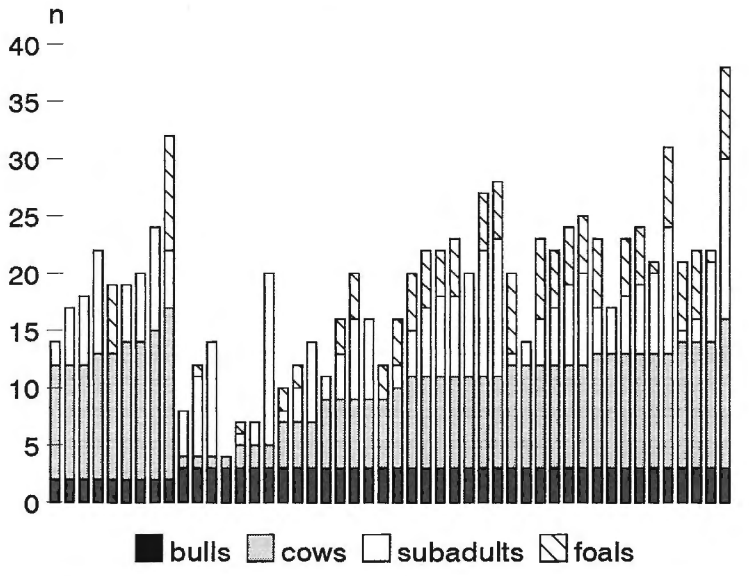


Fig. A14.5: structure of cow groups with herding bull

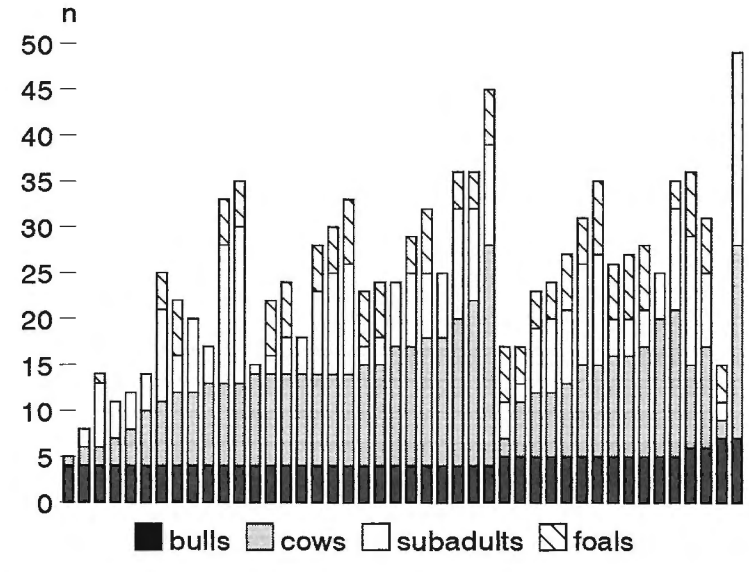


Fig. A14.6: structure of cow groups with herding bull

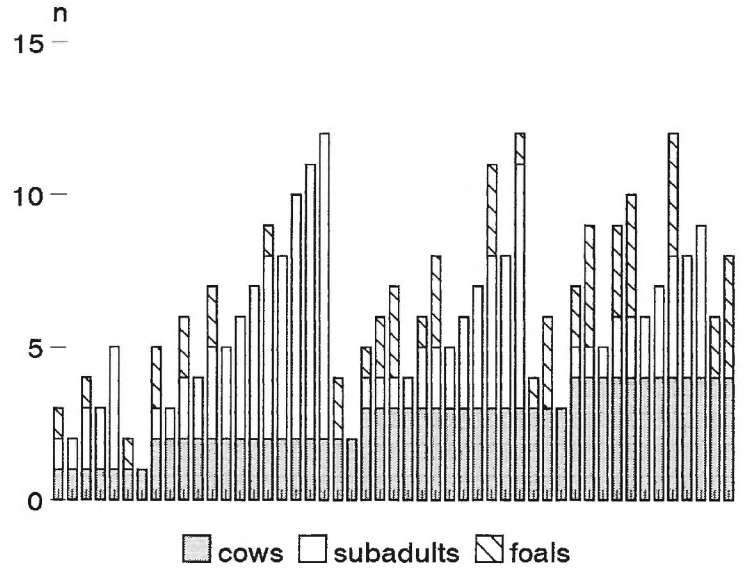


Fig. A14.7: structure of cow groups

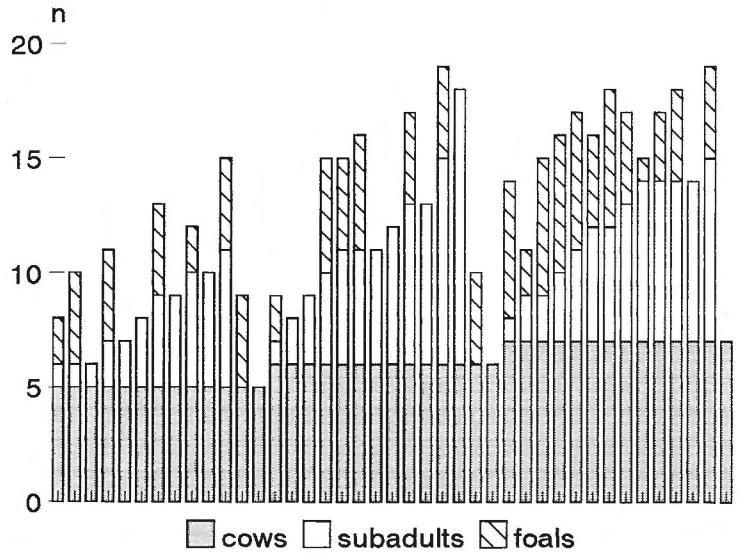


Fig. A14.8: structure of cow groups

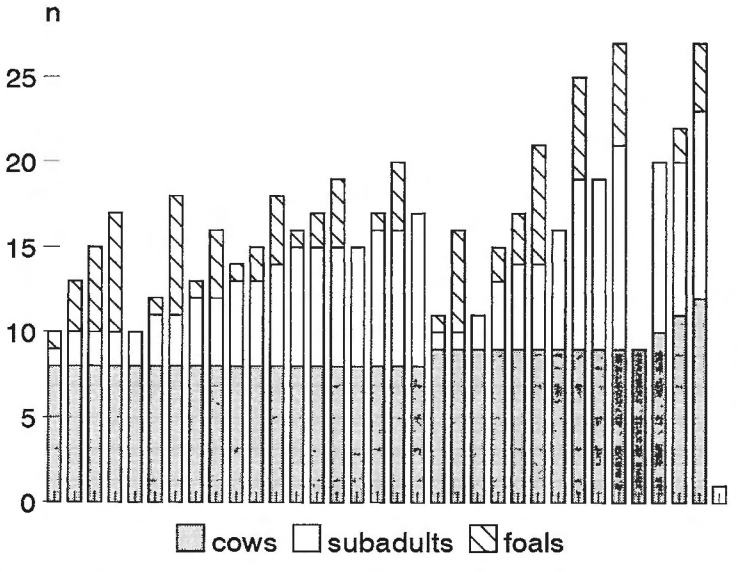


Fig. A14.9: structure of cow groups

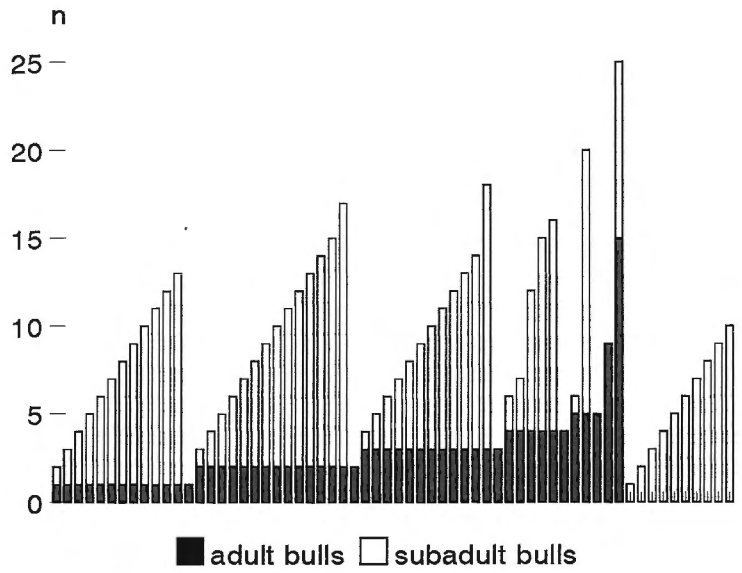


Fig. A14.10: structure of bacchelor groups

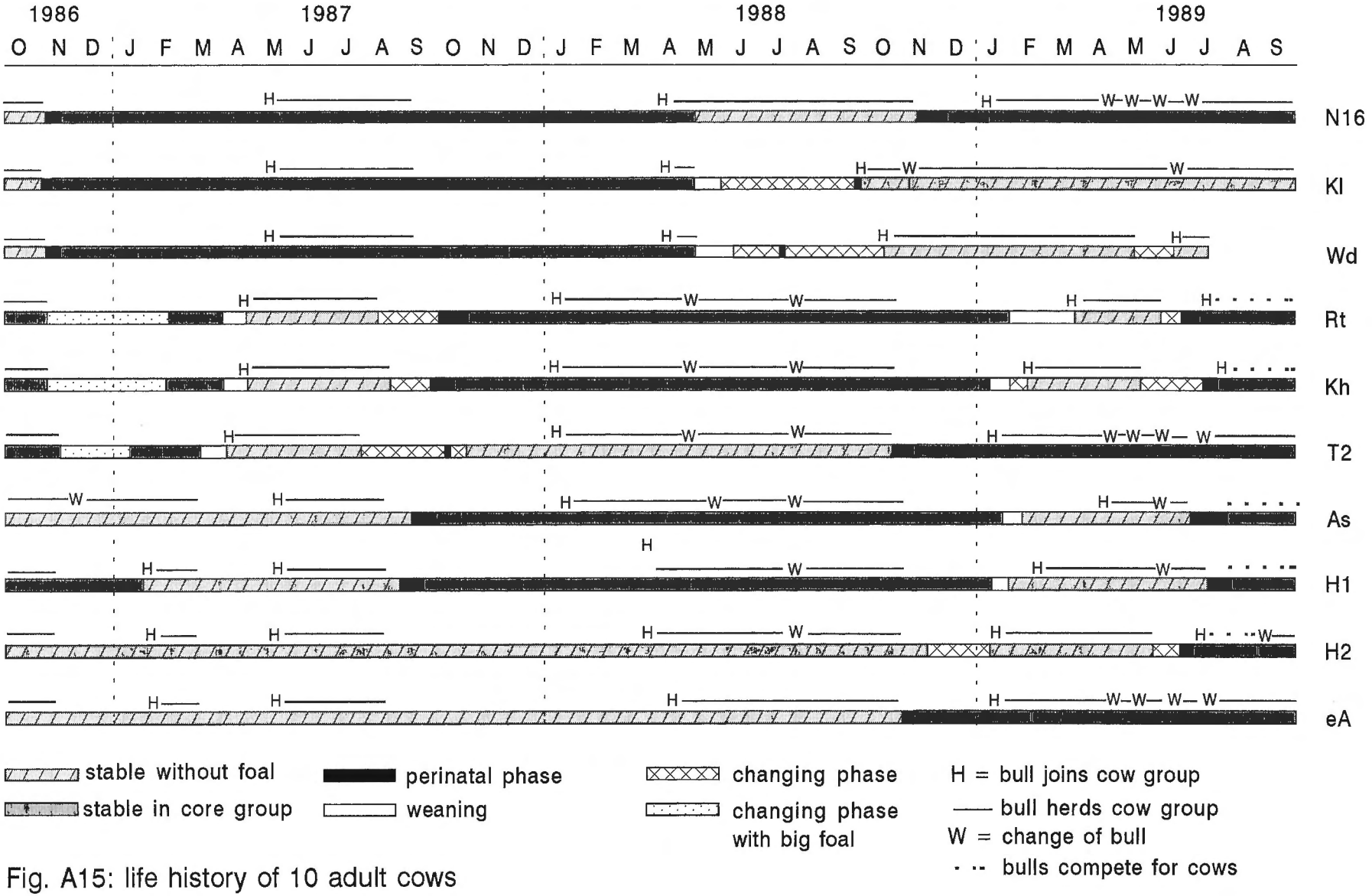


Fig. A15: life history of 10 adult cows

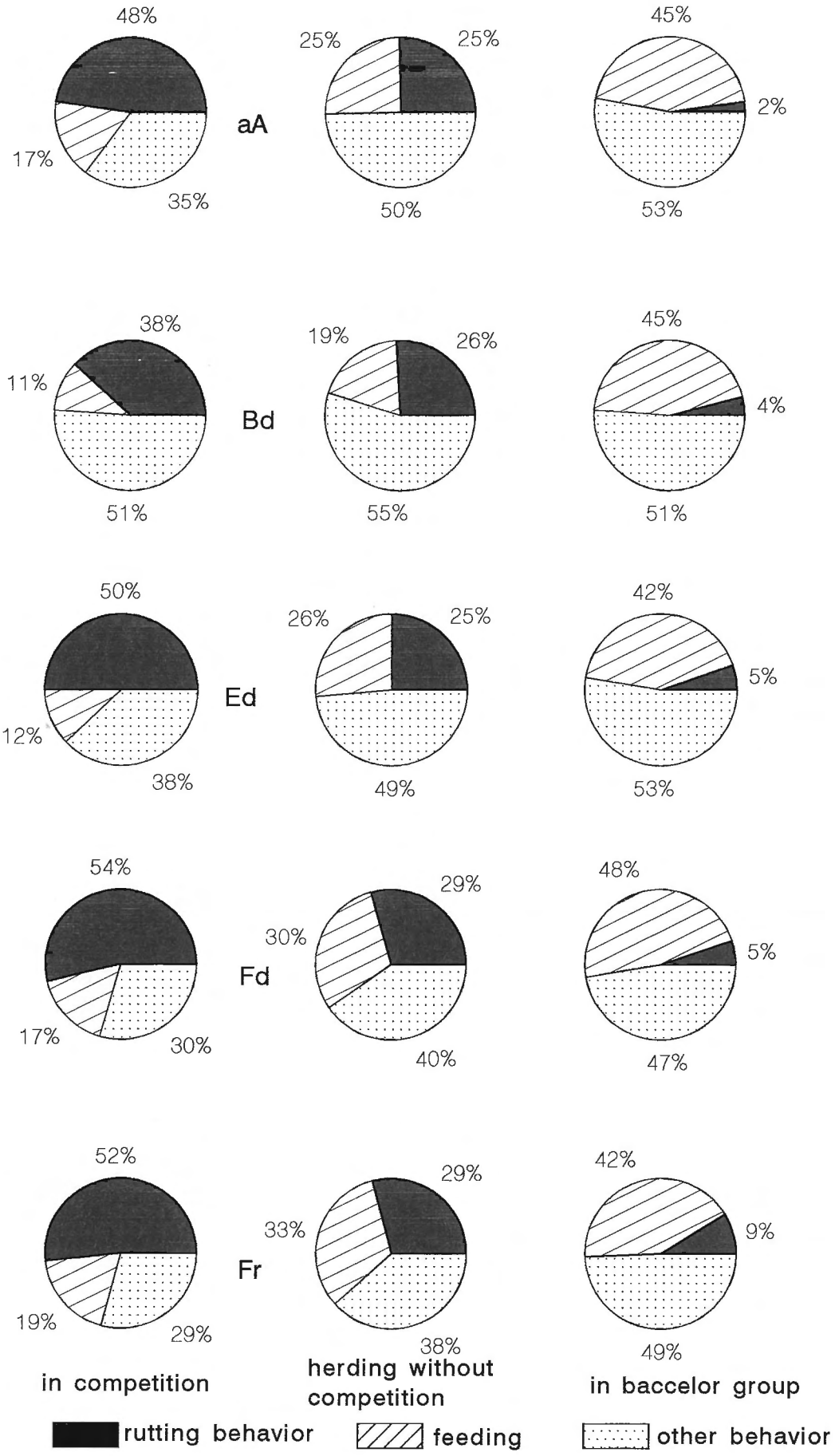


Fig. A16.1: Comparison of the activity of adult bulls

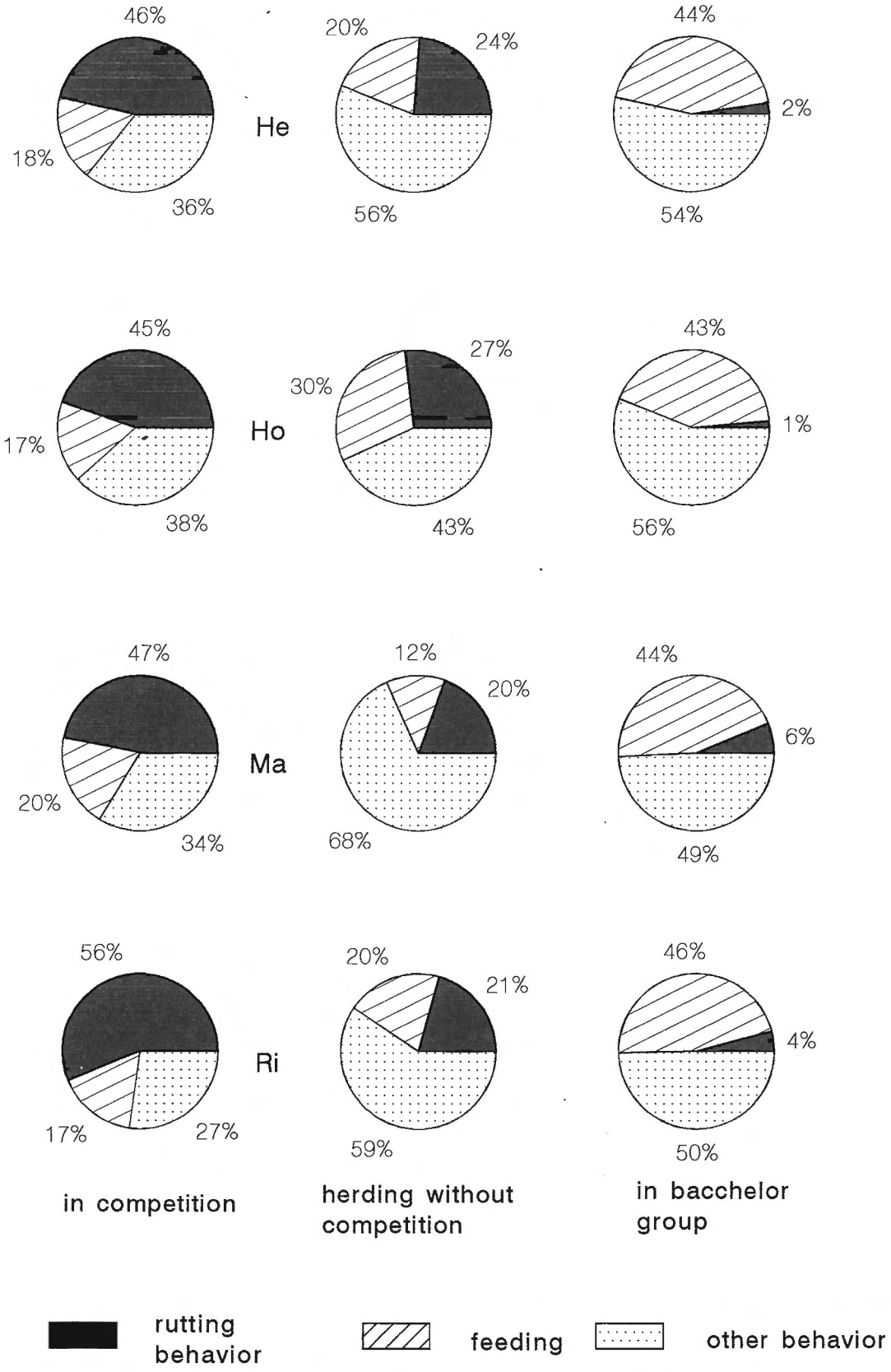


Fig. A16.2: Comparison of the activity of adult bulls

Table AT 5: Percentual daily activity of 9 adult bulls

		aA	Bd	Ed	Fd	Fr	He	Ho	Ma	Ri
I	1	47.7	38.1	50.1	53.8	51.8	46.4	44.7	46.8	56.3
	2	17,1	10.8	12	16.7	19	17.9	17	19.5	16.5
	3	16.2	14.5	10.1	8.4	8.8	8.9	10.8	8.4	6.3
	4	1.8	15.1	8.4	3.9	2.5	6.3	3.9	4.5	1.8
	5	10.8	17.8	16	12.5	12.7	11.6	14.1	9.1	13
	6	6.4	3.7	3.4	4.7	5.2	8.9	9.5	11.7	6.1
II	1	25.3	25.9	25	29.4	29.1	23.8	26.9	19.5	20.7
	2	25	19.2	26.4	30.3	32.5	20.1	30	12.2	19.9
	3	16.1	13	11.5	11.2	12.5	10.2	10.3	19.5	20.7
	4	6.7	18.9	12.8	8.5	3.8	16.5	8.4	17.1	7.6
	5	23.4	17.5	19.6	15.3	12.5	26.4	20.5	17.1	26.8
	6	3.5	5.5	4.7	5.3	9.6	3	3.9	14.6	4.3
III	1	2.2	4	5.3	5.2	9.8	2.3	1.4	6.3	4.2
	2	44.9	44.9	42.1	47.5	46.4	44.2	42.5	44.4	46.1
	3	8.3	12.4	13.2	10.3	9.8	9.3	9.2	8.3	13.6
	4	7.5	3.6	11.5	5.7	5.4	14	9.2	17.4	7.8
	5	16.1	23.1	20.1	20	20.5	7	28	13.9	19.4
	6	21	12	7.8	11.3	8.1	23.2	9.7	9.7	8.9

I = competes for cows
II = herding without competition
III = in bacchelor group

1 = rutting behavior
2 = feeding
3 = walking
4 = standing
5 = lying
6 = other behavior

The verification of the results concerning the proportional day activity consists of dependent random samples, since the activities of the same animals were tested and compared in relation to different situations. The results were tested for statistical significance with the Wilcoxon-test (DIEHL/KOHR 1987). The permissible error probability is usually around p = 0.05 and is indicated in terms of figures by the significance threshold zcrit for the random samples to be compared. The respective calculated significance is indicated in the tables by z_{ber}, with z_{ber} being at least as big as z_{crit} in order to be significant on the level of 0.05 (*). If the error probability is below p = 0.01 the differences are called highly significant (**). If z_{ber} does not reach the value of z_{crit}, the observed differences are random, i.e. not significant, and are shown in Table AT6 with a (-).

Table AT6: Significance test of the proportional day activity of 9 adult bulls according to the Wilcoxon-test.

	I : II	S	I : III	S	II : III	S
rutting						
z_{crit}	0.0064		0.0064		0.0064	
z_{ber}	2.7248	**	2.7248	**	2.7248	**
feeding						
z_{crit}	0.0178		0.0064		0.0064	
z_{ber}	2.3694	*	2.7248	**	2.7248	**
walking						
z_{crit}	0.0756		0.7223		0.033	
z_{ber}	1.7771	*	0.3554	-	2.1325	*
standing						
z_{crit}	0.0064		0.0756		0.4069	
z_{ber}	2.7248	**	1.7771	*	0.8293	*
lying						
z_{crit}	0.0178		0.0092		0.9057	
z_{ber}	2.3694	*	2.6063	**	0.1185	-
others						
z_{crit}	0.7223		0.0129		0.033	
z_{ber}	0.3554	-	2.4879	*	2.1325	*

I = Competition for cows
II = Herds without competition situation
III = Bachelor group

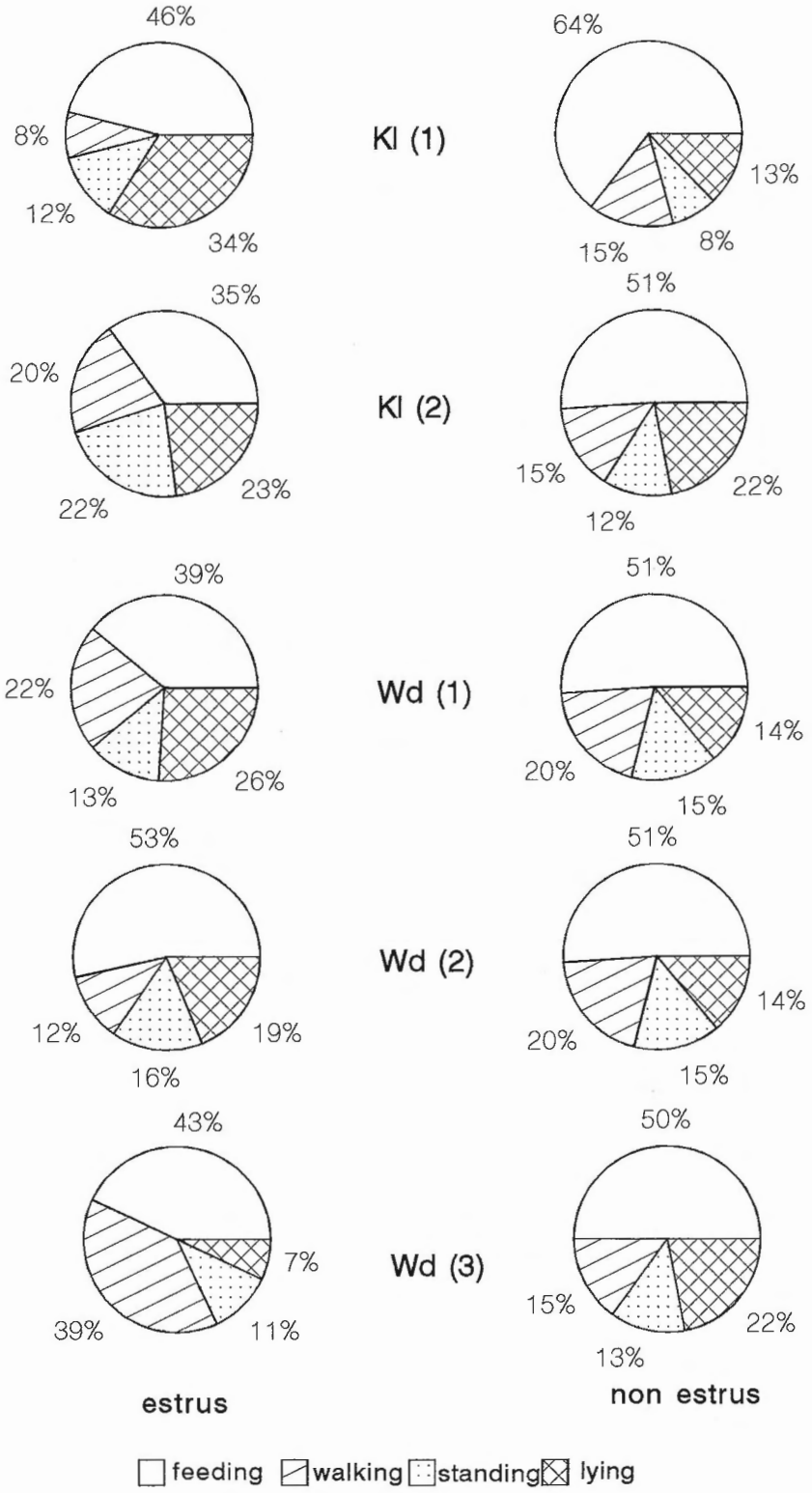


Fig. A.17.1: Comparison of activity of adult cows

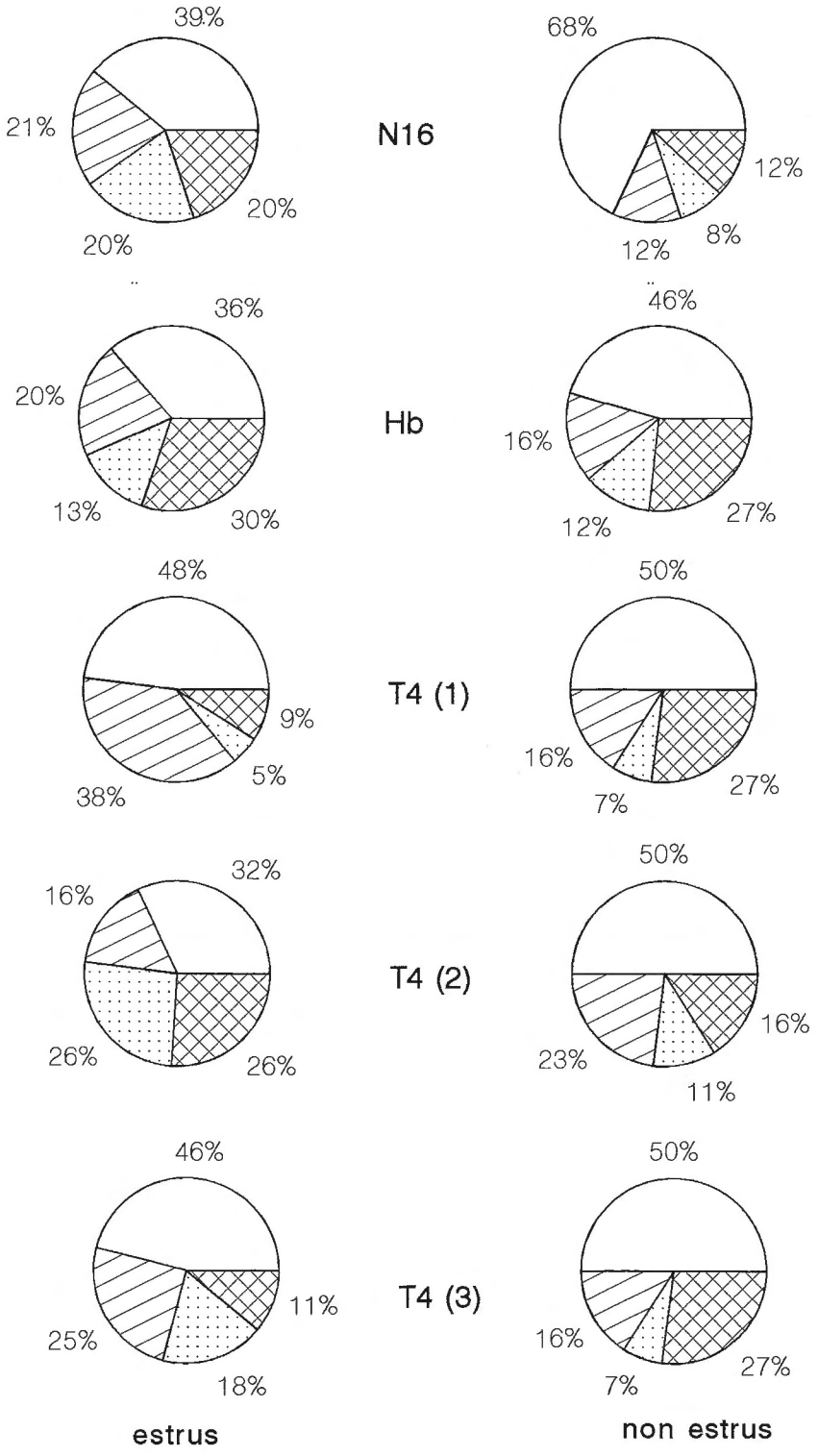


Fig. A17.2: Comparison of activity of adult cows

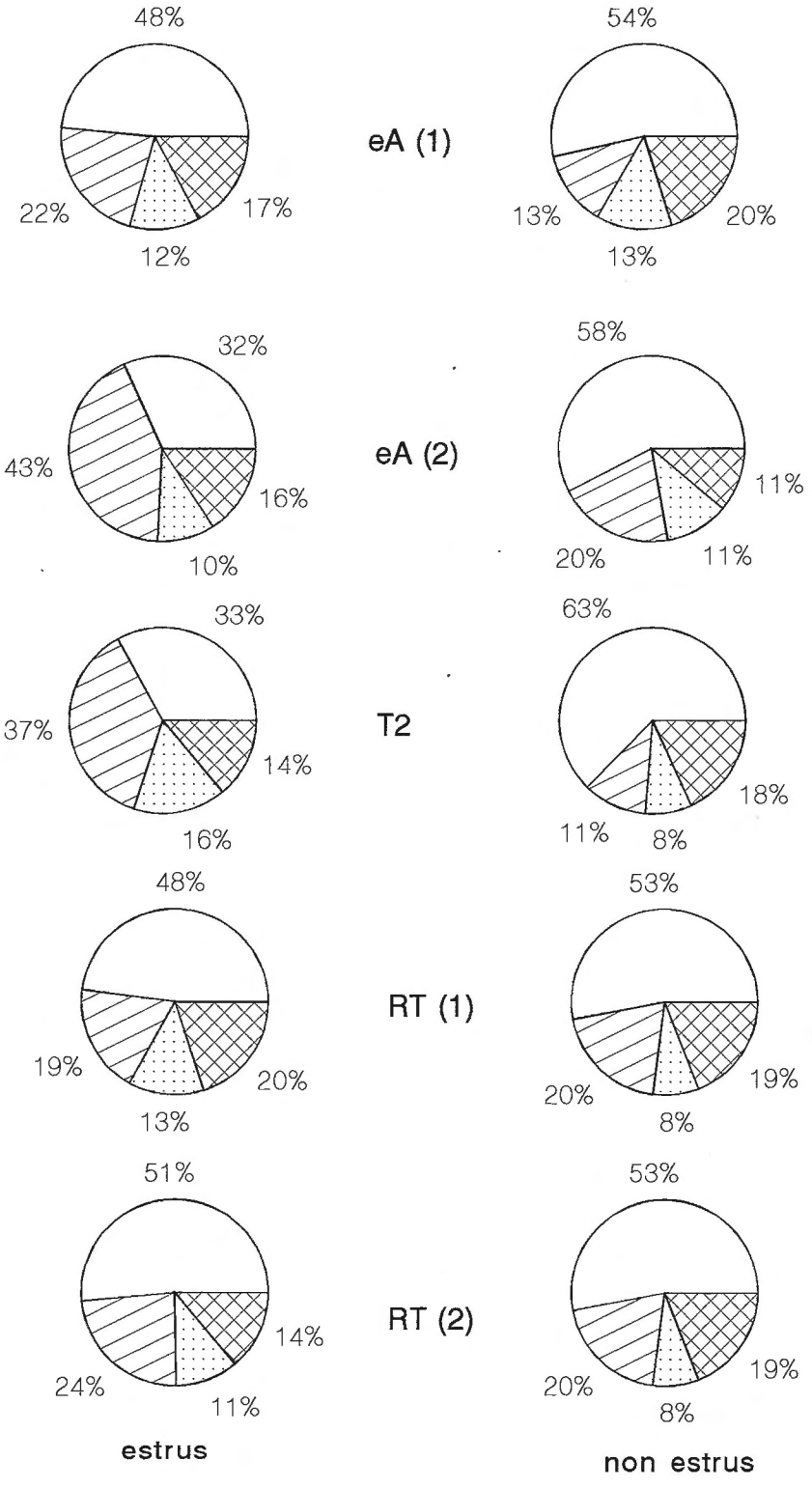


Fig. A17.3: Comparison of activity of adult cows

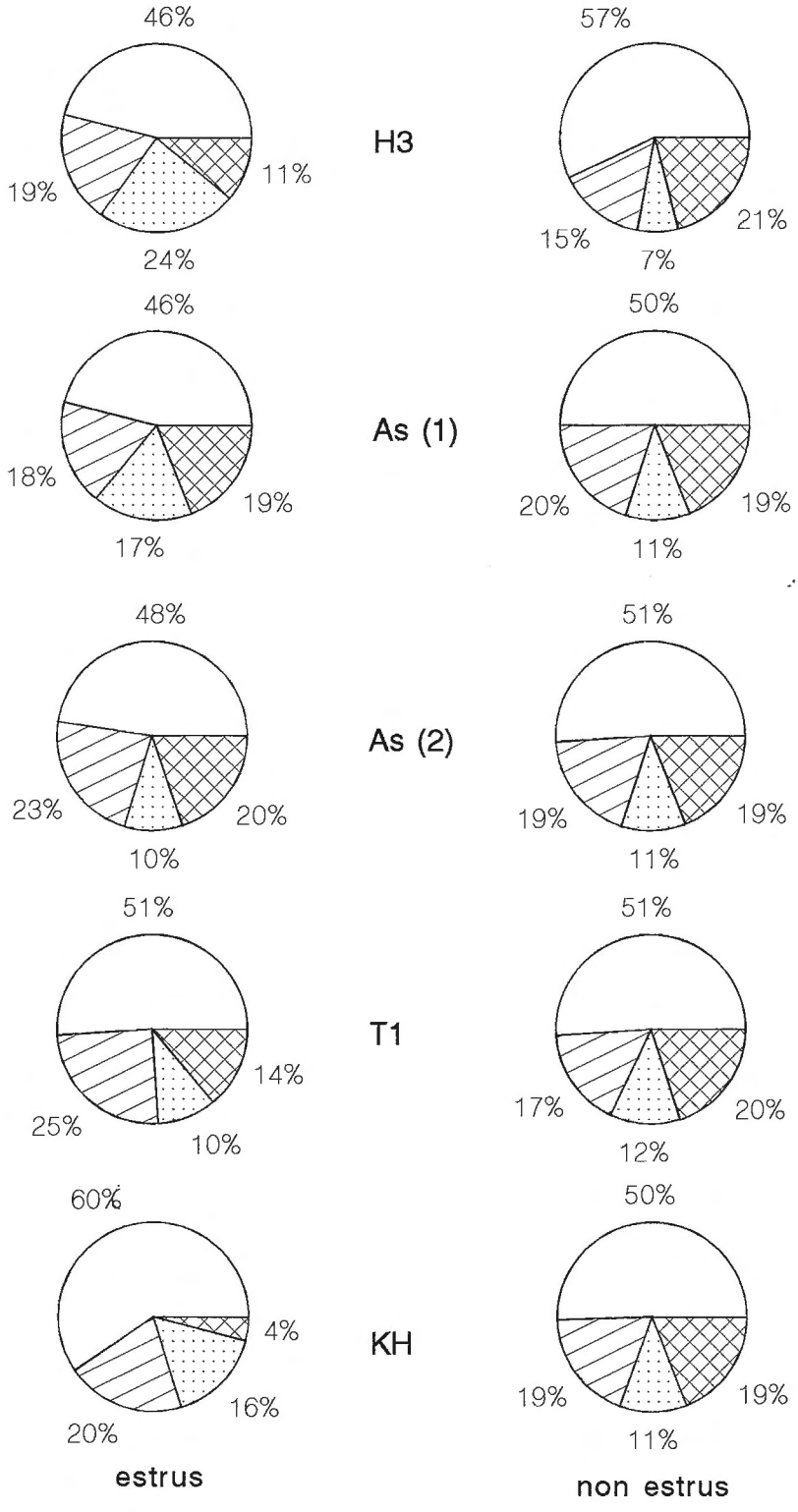


Fig. A17.4: Comparison of activity of adult cows

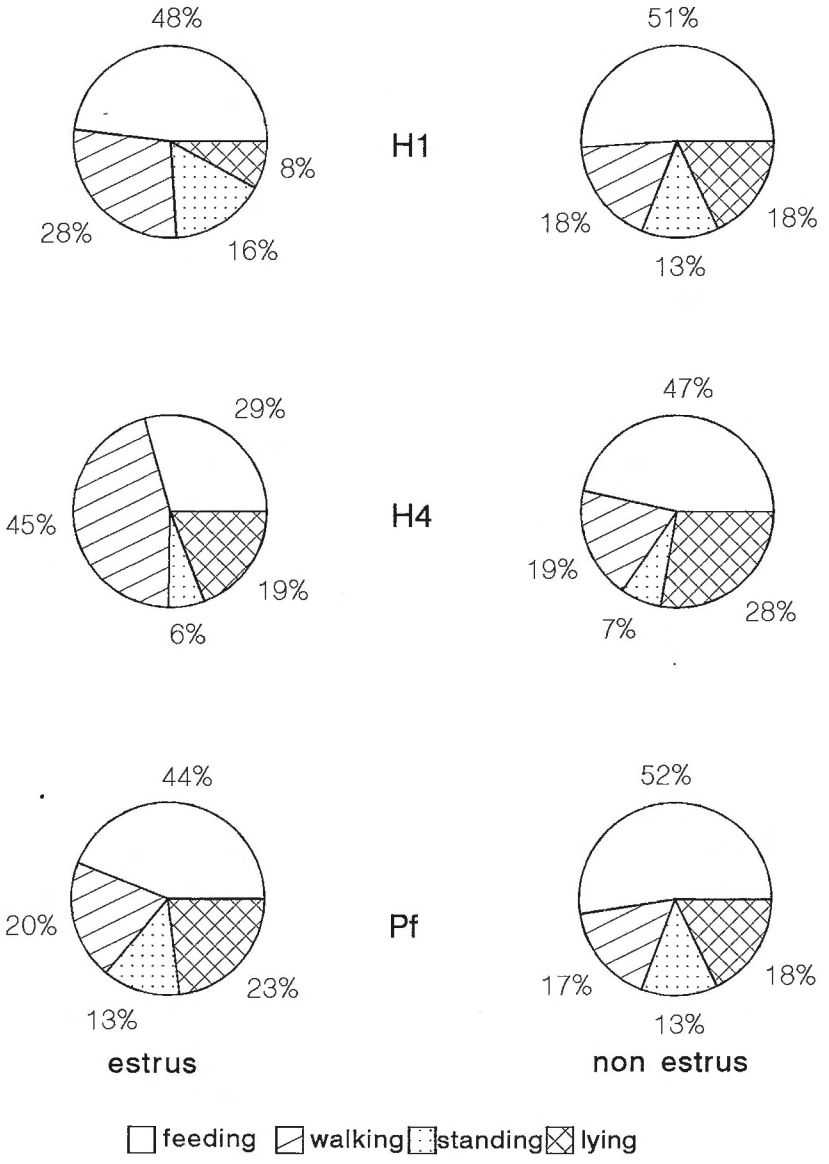


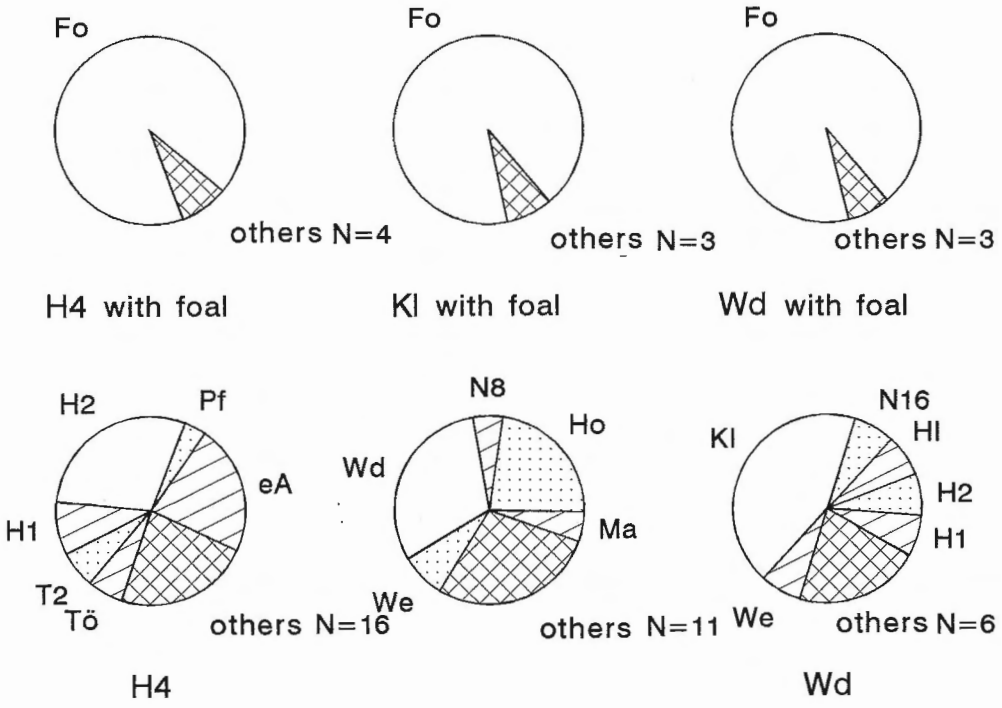
Fig. A17.5: Comparison of activity of adult cows

The results of the proportional day activity of the cows at the time of the estrus compared with normal times were tested for statistical significance as dependent random samples with the Wilcoxon-test. Explanations to the significance threshold ref. Table AT6.

Table AT7: Significance test of the proportional day activity of 23 adult cows at the time of the estrus compared with times in which the cows were not in estrus

	Z_{crit}	Z_{ber}	S	N(+)	N(-)	N(+-)
feed.	0.00017	3.75326	**	2	21	
walk.	0.00056	2.77161	*	18	4	1
stand.	0.38273	0.87287	*	13	8	2
lying	0.83116	0.21320	-	10	12	1

N(+) = Number of animals whose activity was more intensive
N(-) = Number of animals whose activity was less intensive
N(+-)= Number of animals whose activity was not different



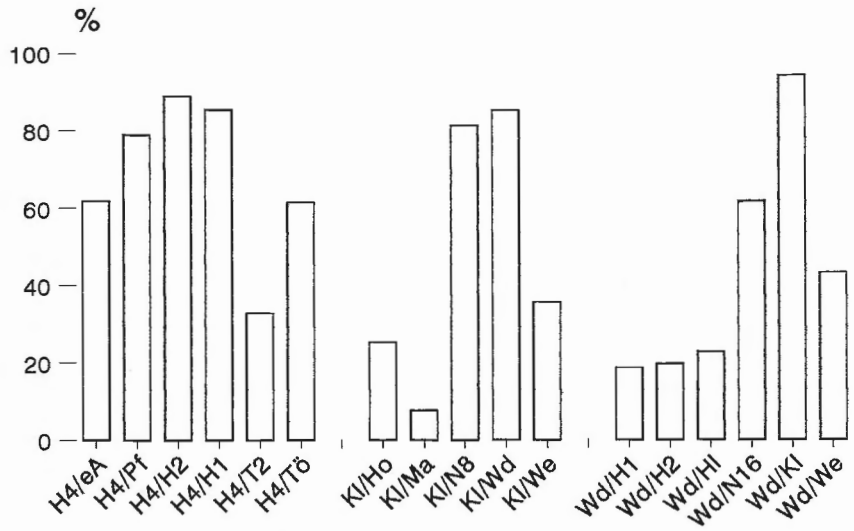
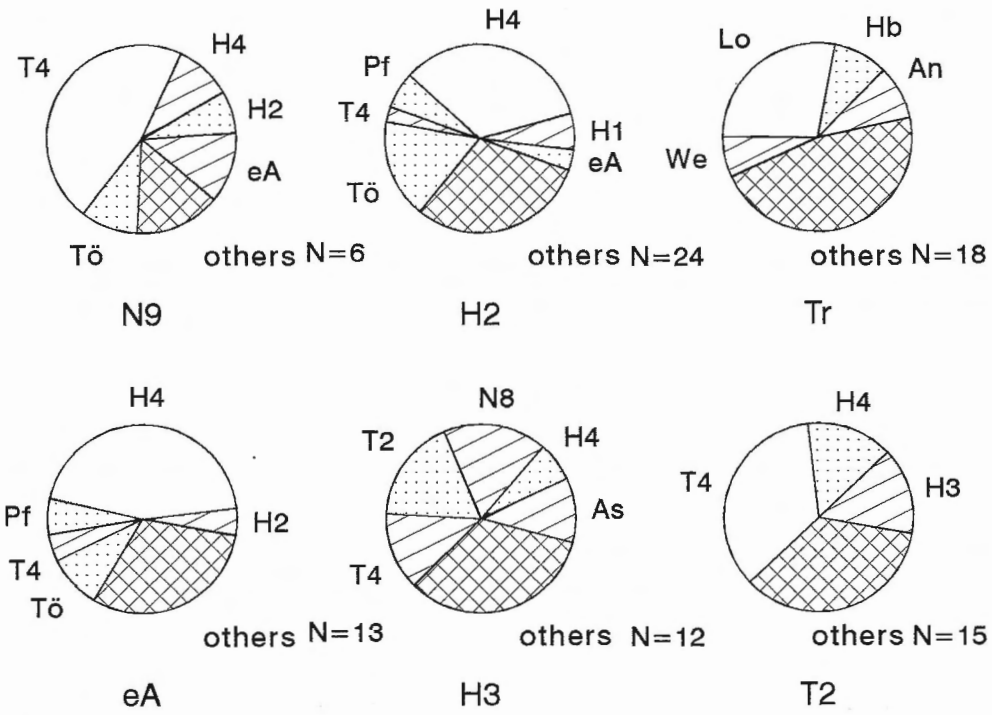


Fig. A18.1: nearest neighbours of adult cows with and without foal in relation to the percentage of mutual sightings



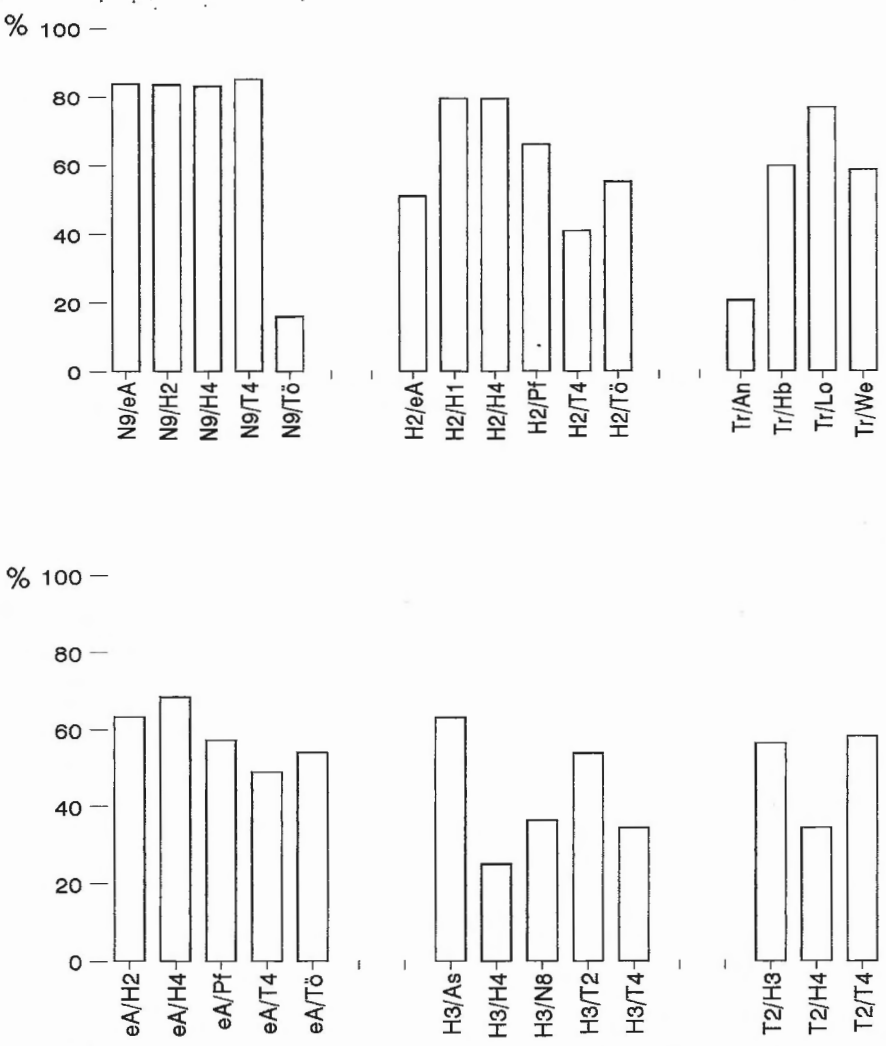


Fig. A18.2: nearest neighbours of adult cows in relation to the percentage of mutual sightings

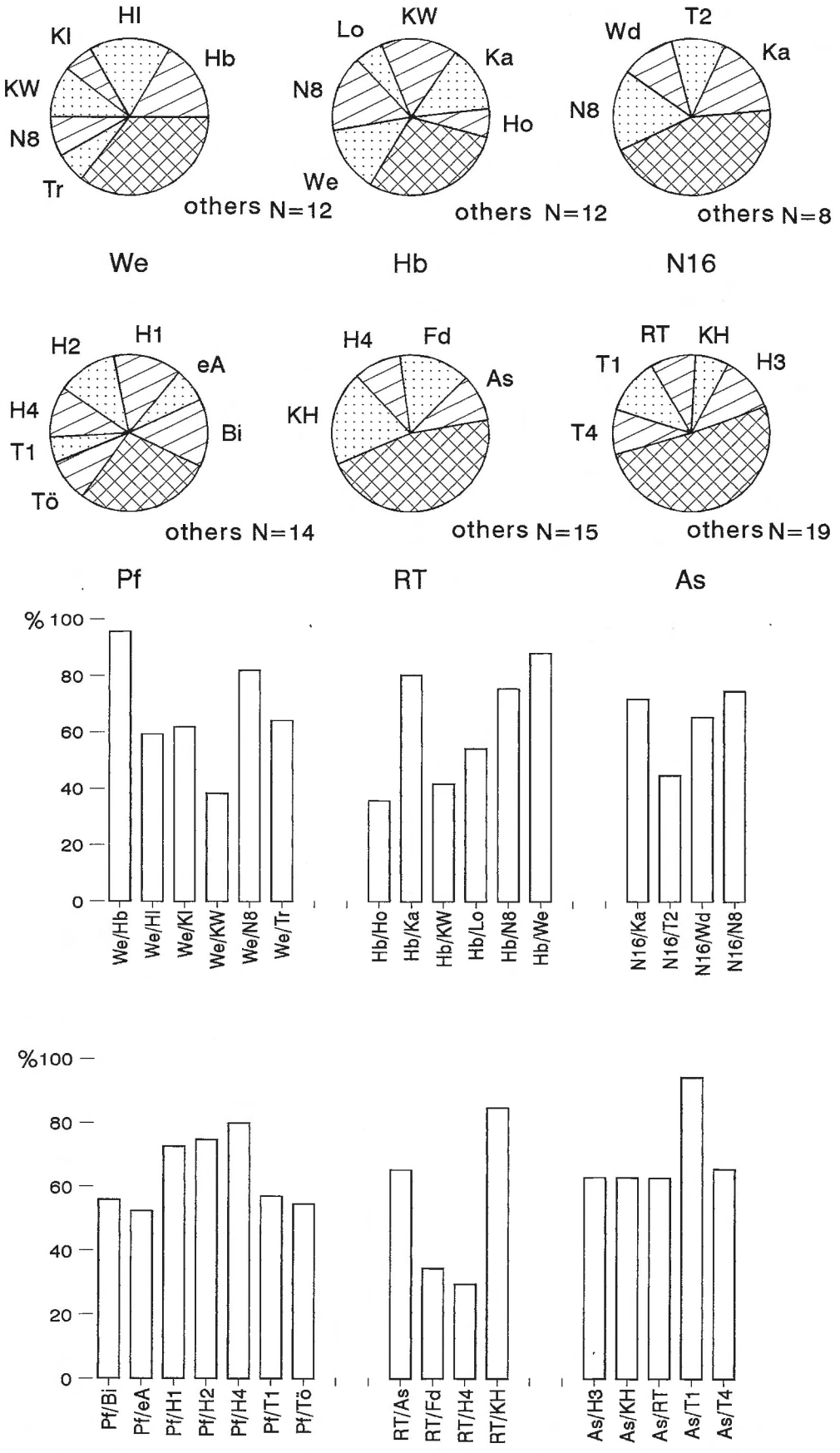


Fig. A18.3: nearest neighbours of adult cows in relation to the percentage of mutual sightings

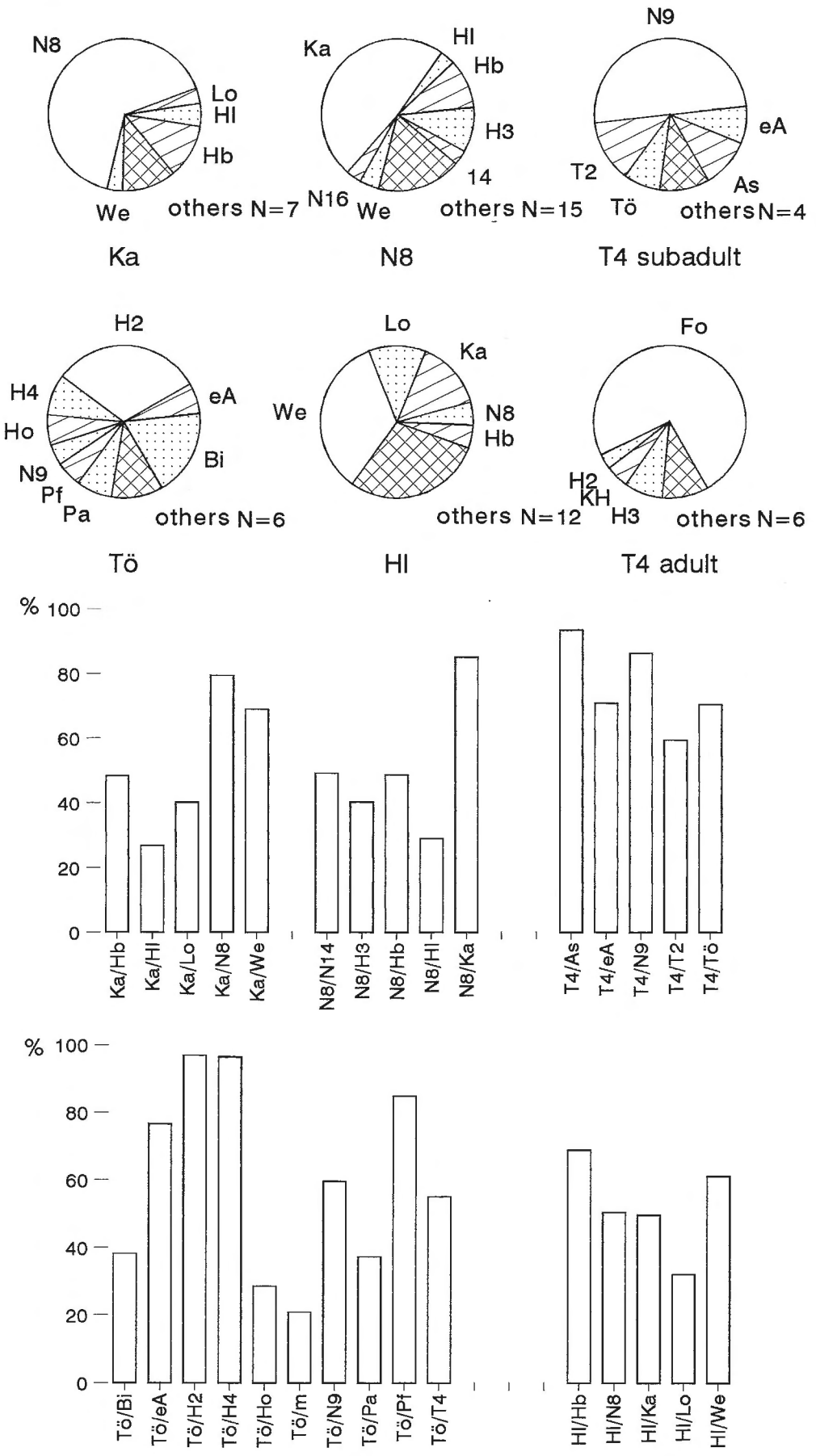
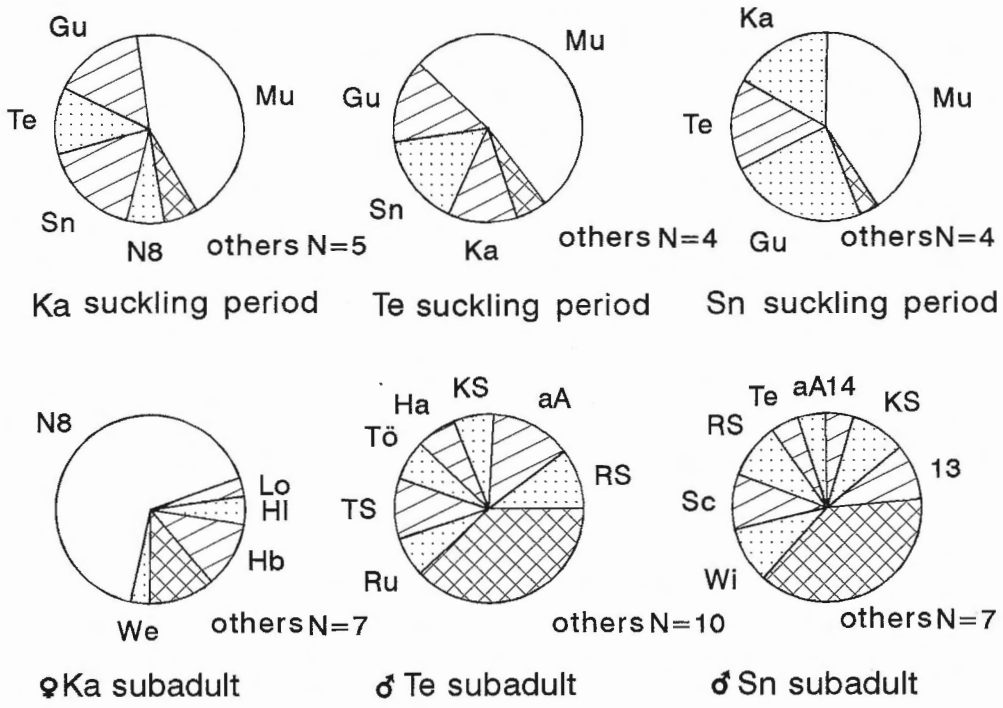


Fig. A18.4: nearest neighbours of subadult cows in relation to the percentage of mutual sightings



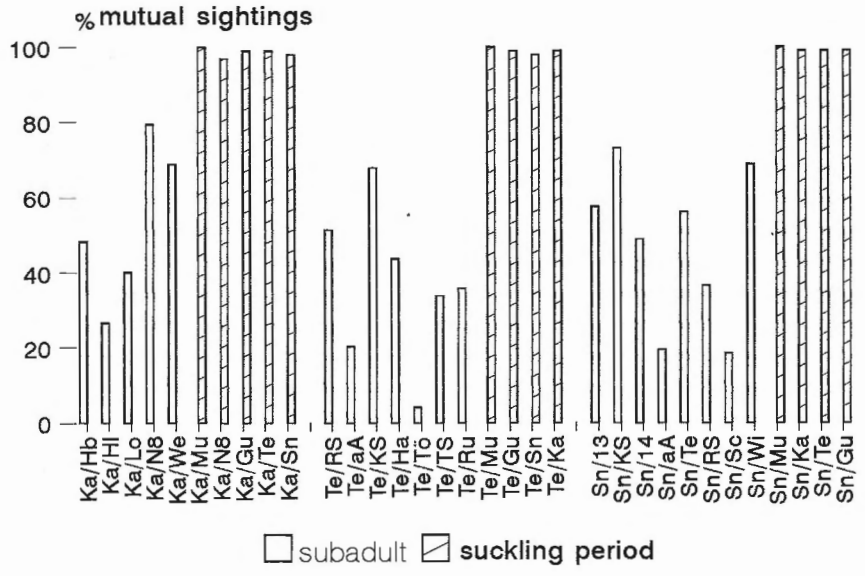
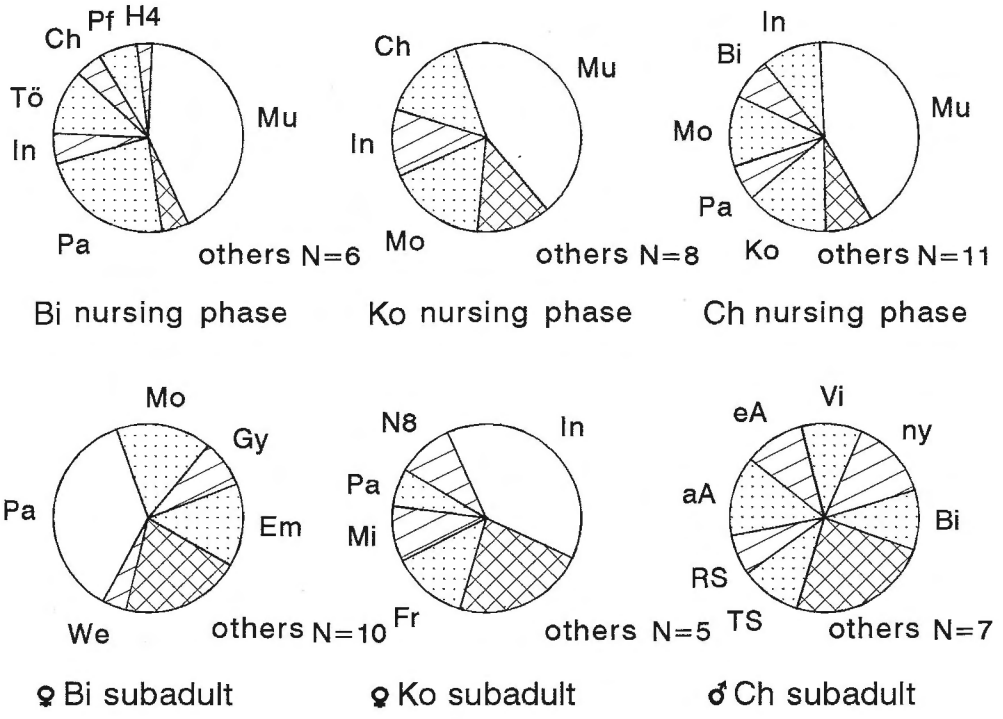


Fig. A18.5: nearest neighbours of foals from one core group at daily resting periods in dependence of their age



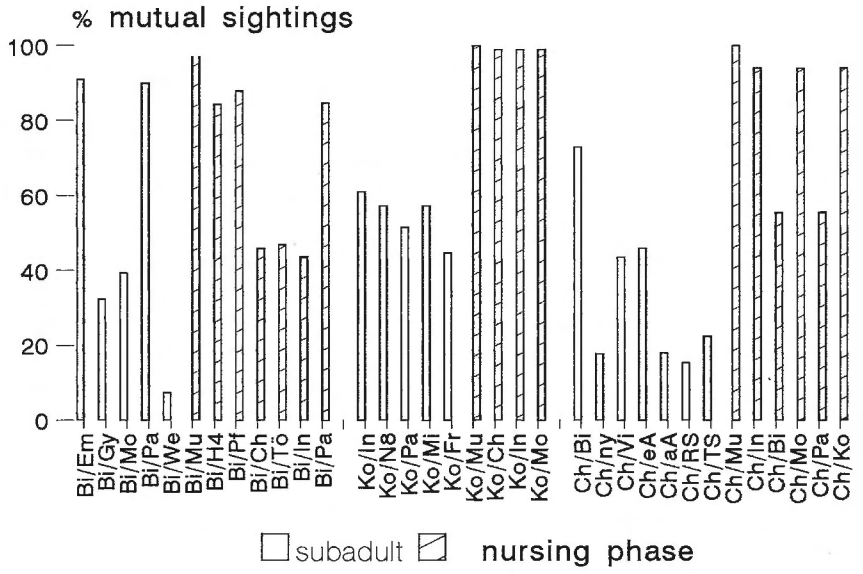


Fig. A18.6: Nearest neighbors of calves from one core group in relation to their age