

Rhodes Orchid Odyssey

Holiday Report 7-14 April 2018

Led by Yiannis Christofides



Greenwings Wildlife Holidays

Tel: 01473 254658 Web: www.greenwings.co.uk Email: enquiries@greenwings.co.uk

Introduction

The island of Rhodes is part of the south-eastern Aegean Island complex known as the Dodecanese, and is situated just 18km from the south-west coast of Turkey. With over 300 days of sunshine a year, it's no surprise that it is a popular destination for tourists, who flock to the island for its sunny beaches or perhaps to visit its ancient and medieval ruins, of which there are plenty. However, its location and geology of schist and limestone means it is also blessed with a wonderful mixture of Mediterranean and Asiatic flora and fauna.

Away from the town of Rhodes one can find miles of unspoilt countryside full of wildlife. It has three mountains, the highest of these being Mt. Attaviros which rises to 1,215 m, followed by Mt. Profitis Ilias and Mt. Akramites. For orchids it is one of the best Greek islands, with a large list of diverse and interesting species, particularly in the genus Ophrys. The island also has an impressive plant list of around 1,500 known species in total.

The orchids would be our main focus during the holiday and as we would explore the central and southern areas of the island, we based ourselves in two different locations, with 5 days in the south centre and the rest based on Mt. Proitis Ilias. This gave us a chance to make leisurely forays into the mountains, river valleys, forests, coastal and olive grove habitats. Our hope was to see around 30-40 species of orchids, together with some other very interesting flora and fauna.

The guests joining us were Alfred, Anthony, Robin, Roger, Judy, Celia, Iain, Lynne, Philip, Jennifer and Diane. The holiday was led by Yiannis Christofides and Jon Dunn. Yiannis is a respected botanical author and excellent all round naturalist. He has recently published a new *Illustrated Flora of Cyprus* and is currently working on a book of plants of the Eastern Mediterranean. Jon is an experienced guide, all round naturalist and author of several books, his most recent being *Orchid Summer*.

The following is an outline of the week with a daily diary, followed by a gallery and species lists.



Day 1.

Arrival at Diagoras airport. Robin, Roger and Yiannis arrived earlier from Crete and Cyprus respectively and were picked up by Matt. The main group with Jon Dunn arrived at 1 pm. We picked up our mini-buses and drove to our destination in Embonas. The hotel prepared a simple lunch with greek salad and a few other things and then we went for a walk up the hill. Despite the dry winter the area was full of flowers and some orchids too. We saw *Muscari comosum*, *Vicia hybrida*, *Vicia villosa* and *Ophrys candica*.

Day 2.

The weather did not look promising as we headed due south. This is the drier part of the island and we wanted to visit as soon as possible to see what orchids we could found. Our first stop was at the gorge at to see the endemic *Campanula hagiela* and *Centaurea lactuciflora* growing on the walls of the gorge. We then continued due south and turned off on a track near Kattavia. *Anacamptis fragrans* was out in force but the early orchids had finished flowering. We also saw many of the common garique plants such as *Satureja thymbra*, *Helichrysum stoechas*, *Phagnalon rupestre*, *Pistacia lentiscus* and others.

By now rain and thunder were threatening so we boarded our mini-buses and continued due east. We stopped at the little church to check on the *Ophrys cretica ssp belonae* but found only one plant with the last flower out. As it was now raining heavily we thought our best course of action was to go down to Prasonisi for coffee, and we were lucky to find the only cafe open. By now the rain had eased and we made a stop to check a slope out. It had beautiful clumps of *Anacamptis pyramidalis* and *Anacamptis fragrans* in good flower and then we started to find other things too. *Ophrys regis-ferdinardii* was around with the last of the flowers still in good order. *Fritillaria rhodia* was also still in flower and several plants were seen. *Lithodora hispidula* was common on the slopes as well as *Euphorbia acanthothamnos* and *Genista acanthoclados*. A surprise was to find several individuals of *Ophrys calypsus* and a single specimen of *Ophrys iricolor*. After we had explored the hillside thoroughly we started on the return journey stopping at a beach were we saw *Ononis hispanica*, *Rumex bucephalophorus*, *Juniperus oxycedrus ssp. macrocarpa* and *Campanula rhodensis*. A pair of mating *Empusa fasciata* kept the photographers busy.

We returned rather later than we intended to a superb meal of typical greek starters and meat on the grill, finishing off with a nice desert.

Day 3.

The storms that hit the island yesterday finally moved off and the day started partly clouded but improved considerably as the day moved on.

We set out to visit a mountain top in southern Rhodes so we started driving due south before turning inland. A small bird caused us to pause and we took the opportunity for a little exploration by the roadside, finding Eastern Dappled White, another species of mantis, Green-underside blue and a few new plants.

We soon picked up the dirt track that led us to the top, but not before some orchids were spotted from the van. We found *Ophrys reinholdii* and *Ophrys bombyliflora*. We then moved on up to the top of the hill and started exploring. *Orchis anatolica* was very common and there were still a few plants in good flower. We also started finding some *Ophrys* and we saw good numbers of *Ophrys polyxo*, *Ophrys parvula* and a few of *Ophrys omegaifera* and one *Ophrys ataviria*. We searched for

Ophrys tenthredinifera, seen there last year but none were to be found. Astragalus austroaegaeus and Astragalus spruneri were there in good flower. A Green Toad Bufo viridis was found and well photographed.

As it was getting late we started on the return journey, stopping to meet Matt who had some treats in store for us. We also took the opportunity to explore further, finding many *Anacamptis fragrans* in a variety of colours, one *A. sancta* and a couple of hybrids between the two. A highlight of the day was also the Bonelli's Eagle which was observed well for a few minutes. We returned home to another excellent meal.





Day 4.

Our destination today was the east coast where we were hoping to see several new species. We headed for Agios Isidoros and then down the winding road to the coast. Our first stop was by the river, where we started exploring the olive groves. We soon found *Ophrys colossaea* in excellent shape and in good numbers. Other orchids were present as well, such as *Serapias parviflora* and *S. bergonii*. As we were exploring we heard the call of Golden Oriole and a little later of Corncrake. Despite searching we failed to get a sighting, but instead enjoyed good views of Crested Larks dust-bathing and feeding beside the track. *Ornithogalum narbonense* was growing by the side of the track.

We then moved down to the beach where we saw *Alkanna tinctoria*, *Alyssum sibiricum*, *Medicago marina* and other plants of this habitat. After lunch we explored another nearby location finding *O. calypsus*.

Our next destination was due south from here and after a stop for refreshments we started to explore some other olive groves, finding *Serapias carica* and a little later lots of *O. ataviria* and *O. blitopertha* in good numbers. When everybody had taken their photographs we started on the return journey. On the way we had several sightings of the Rhodian deer.

We stopped just before the village to look for *Ornithogalum nutans* which we had seen there on a previous visit but found the plants in seed. We were rewarded by masses of beautiful *Muscari comosum* and the amazing flowers of *Aristolochia guichardii* and, nearby, *Ophrys ferrum-equinum* and *O.rhodia*.

Day 5.

Today was the day we exchanged hotels, swapping our base for the higher, more easterly elevations of Profitis Ilias. Before we left the area, however, we explored the length of the Attaviros road, stopping frequently on its slopes to hunt for orchids. A small meadow at the foot of the hill got us off to a good start, holding a number of *Anacamptis pyramidalis* and

Ophrys candica, O. reinholdii and O.s icula, but it was the roadside itself that yielded the most impressive display of O. reinholdii, with several dozen plants noted including some particularly impressive flowers in pristine, velvety condition. Nearby were a few examples of Cyclamen rhodium; further uphill we found many more plants in impressive display, together with a number of O. omegaifera and a single O. attaviria.

A short further drive was interrupted when sharp eyes spotted something intriguing from the moving vehicle – the pale purple spires of *Limodorum abortivum* rising from the woodland floor near the road. Naturally, we stopped for these and, to our delight, found dozens of further plants in every state from tight bud to full bloom in the woods all around us.

The tarmac eventually petered out and we carefully continued to make our way uphill on gravel tracks, stopping periodically before reaching the hilltop site at which we'd have our picnic lunch. Here we found many *Orchis anatolica* amongst the low vegetation and then Alfie, ever alert, spotted our first *Anacamptis papilionacae* in full bloom – in due course we found further examples dotted around the area. Our picnic was a pleasant one with all of these orchid distractions and all to the soundtrack of Woodlarks singing around us.





The afternoon saw us arriving, many switchback corners later, high upon Profitis Ilias. We wasted no time and set about searching a previously fruitful area of sloping forest floor, fanning out to see what we could find. New orchids here were two examples of *Ophrys oreas*, some *O. dodekanensis* candidates that provoked some good-natured debate, a late and still recognisably flowering *Neotinea maculata*, and what was to prove to be our only *Orchis anthropophora* of the week, spotted by Diane as we were making our way back to the vehicles.

We searched nearby for flowering *Paeonia clusii ssp. rhodia*, initially with just limited success – a rather tired example on an overhead crag. It seemed as if the many plants around us had all finished flowering already. Jon's binoculars were pressed into flower-hunting rather than birding and, happily, he found a Rhodian peony in pristine condition in a cool, shady valley below us. We walked down to finish the day with this beautiful endemic, with the added bonus of a roosting Eastern Festoon spotted nearby by Yiannis.

Day 6.

In the morning we made our way through the pine woods that flank Profitis Ilias and the surrounding countryside towards the large freshwater body of Limni Fragmatos Gadoura. Today

promised to be a particularly hot, sunny one and we were glad of the first two stops we made, looking for orchids beneath the shade afforded by the pines. Our first stop of the morning yielded just one new species, but a very elegant and attractive one indeed – the rich cerise forms of *Ophrys mammosa*, present in small numbers here – while the second stop of the morning, exploring the woods that flanked the Gadoura river, was to a soundtrack of croaking Karpathos Frogs *Pelophylax cerigensis* from the riverside margins. Our target here were the beautiful, scarce, pink variation of the purple *Limodorum abortivum* we'd enjoyed the previous day, known as var.*rubrum*. Sure enough, we found a number of these rose-coloured beauties amongst their violet counterparts.

One final roadside stop yielded an *Orchis italica* in reasonable condition, albeit somewhat going over – other nearby plants had already finished flowering. A walk into the nearby countryside was punctuated with similarly late-stage *Ophrys candica* and *O.regis-ferdinandii*.

A short drive brought us to the shores of Limni Fragmatos Gadoura, where our arrival was heralded by a burst of birdlife – not least a flock of some 30 glorious Bee-eaters that flew overhead and then proceeded to hawk insects over the nearby water. At times these rainbow birds were even dropping into the water, presumably to drink. Further sightings included a Honey Buzzard heading purposefully north overhead, and wonderful views of Red-rumped Swallows and Little Egrets. We searched the surrounding area for plants of interest – the serpentine gravel was rendered pink in places by *Sedum eriocarpum*; we also found *Silene salamandra* here, and neat green mounds of *Anthemis rhodensis* though, sadly, none yet in flower. Our picnic lunch in these pleasant surroundings was enlivened by a wonderfully showy Scarce Swallowtail that obliged us all by posing for photos.

Our return to the hotel was via a leisurely stop in a small roadside meadow and grove that sports a colony of *Anacamptis laxiflora*. These statuesque orchids were a treat in themselves, and shared their site with subtle *Ophrys bombyliflora*, but a further treat was in store for us all as Matt came to join us with two boxes of delicious sweet pastries from his local bakers. Orchid-hunting was, eventually, forgotten for a while as we sat and indulged in this unexpected treat.

Day 7.

Celia and Iain had been exploring uphill from our hotel the previous evening before dinner, and their discovery of a small colony of *Anacamptis picta* meant our first excursion of our final full day in Rhodes was to see these flowers — we took a while to examine them and appreciate the subtle differences that differentiate them from the *A. morio* with which we're all familiar back home in the UK and, as our attention wandered, we found more *Ophrys rhodia*, *O. sicula*, and *Orchis anatolica* in the surrounding rocky landscape, as well as a sea of scarlet poppies at our feet. The views from this mountain top were spectacular, and we were able to plot our steps in previous days from this vantage point while curious goats with clanking bells scrambled across the rocks to see what we were finding so interesting.

We wended a slow way downhill, checking the roadside for more orchids, finding initially only *Anacamptis pyramidalis* – those curious goats had, perhaps, been here before us... A wooded, more level area meanwhile was more fruitful – here we found *Ophrys rheinholdii*, *O. polyxo*, and *O. sicula* while, for further interest, we also saw elusive Snake-eyed Skink and, in the open areas, Small Copper and Eastern Festoon on the wing.

We returned at this point to the orchid-rich hillside we'd visited on our arrival on Profitis Ilias two days previously to search a little more in this promising habitat and, for some of the group, for second-helpings of the *Ophrys oreas*. Further close scrutiny of this area turned up new *O. ferrumequinum* and variably patterned *O.polyxo* and then, thanks to Robin's sharp eyes, a final *O. attaviria*. We ate lunch here too, a meal enlivened by a curious Oertzeni's Rock Lizard

Anatololacerta oertzeni that scrambled up and down a nearby tree to keep a watchful eye upon us.

The afternoon was punctuated by leisurely stops, firstly at a nearby small, white-painted church and then in the surrounding wooded countryside, yielding final sightings of *Ophrys candica* and *Limodorum abortivum* in full bloom, and several more Eastern Festoons making the most of another sunny day — they were extremely active and, for the most part, unapproachable for photographs...

...however, this was not to prove a problem as, that evening, on our way to a delicious dinner in a local taverna, we made one final stop at a location Yiannis had kept up his sleeve for the final day — a roost site for these gorgeous butterflies. We found several individuals settled down for the evening, roosting together on dead, stiff vegetation and, in the cool evening light, they made for incredibly obliging photographic subjects. A final orchidaceous flourish came with the discovery nearby of unequivocal examples of *Ophrys dodekanensis*, leaving everyone happy with their identification and all set for our last supper together.



Day 8. Return to the UK

All good things, sadly, have to come to an end, and so it was on our final morning on Rhodes. As a group we were all on fine form, finding wildlife of interest to the very last moment — *Ophrys sicula* and an Egyptian Locust even as we were loading the vehicles to bid our goodbyes to the hotel! Our journey to the airport was smooth and uneventful, and broken with an hour-long chance to explore the ancient ruins at Kamiros where, looking across the azure channel that separates Rhodes from nearby Turkey, we laid plans to return another year for more orchid-hunting adventures...

Acknowledgements: Greenwings would like to thank all their guests on this trip for their wonderful support, good humour and enthusiasm throughout the holiday, for their help in compiling species lists and for the use of their photographs. Special thanks must also go to Yiannis Christofides for their unbounded enthusiasm in every aspect of the botany, and for compiling the species lists and editing the report.

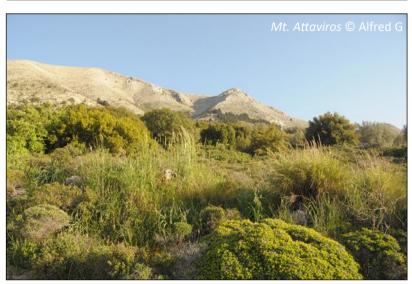


Photo Gallery



















































































		Orchid Odyssey 2018 Ch	necklis	t					
	Ore	chids	Tue 5th	Wed 6th	Thu 7th	Fri 8th	Sat 9th	Sun 10th	Mon 11th
	Scientific	Common name	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
	Ophrys speculum group		T	<u> </u>		T		T	
1	Ophrys regis-ferdinandii	King Ferdinand's Ophrys		х	х	х			
	Ophrys iricolor group								
3	Ophrys iricolor	Rainbow Bee Orchid		х					
	Ophrys mammosa group								
4	Ophrys ferrum-equinum	Horseshoe Ophrys	х		х	х	х		
5	Ophrys lucis	Rhodian Horseshoe Orchid			?				
6	Ophrys mammosa	Breasted Ophrys						х	
	Ophrys lutea group								
7	Ophrys phryganae	Phrygana Bee Orchid							
8	Ophrys sicula	Small Yellow Ophrys	х	х	х	х	х	х	
	Ophrys reinholdii group								
9	Ophrys reinholdii	Reinhold's Ophrys	х		х		х		
10	Ophrys cretica ssp. beloniae	Naxos Bee Orchid (Cretan Ophrys)		х					
	Ophrys umbilicata group								
11	Ophrys rhodia	Rhodian Woodcock Ophrys	х			х	х		
12	Ophrys bombyliflora	Bumblebee Ophrys		х	х			х	
	Ophrys fusca group								
13	Ophrys attaviria	Attaviros Bee Orchid			х	х	х		
14	Ophrys blitopertha	Beetle Ophrys				х			
16	Ophrys lindia	Lindos Bee Orchid							
	Ophrys parvula			х	х				
	Ophrys omegaifera group								
17	Ophrys omegaifera	Royal Ophrys			х		х		
	Ophrys holoserica group	, , ,							
18	Ophrys candica	White Ophrys	х				х	х	
19	Ophrys colossaea	Colossal Orchid				х			
22	Ophrys oreas	Profitis Ilias Bee Orchid					х		
	Ophrys heldreichii group								
23	Ophrys calypsus			х	х	х			
24	Ophrys dodekanensis				х		х		
25	Ophrys polyxo	Rhodian Horned Ophrys			х	х		х	
	Serapias group								
27	Serapias bergonii	Bergoni's Serapias				х	1	х	
28	Serapias carica	Carican Serapias		х		х			
29	Serapias parviflora	Small-flowered Serapias	+-		х	х		х	
	Anacamptis group		+						
31	Anacamptis laxiflora	Lax-flowered Orchid	+					х	
32	Anacamptis papilionacea	Butterfly Orchid	+		х		х	х	
33	Anacamptis pyramidalis	Pyramidal orchid	+	х		x	x	х	

34	Anacamptis sancta	Holy Orchid	I	I	x	x		I	
35	Anacamptis fragrans	Bug Orchid	х	х	х	х		х	
	Anacamptis x kallithea	208 0.0			x	х			
36	Orchis anatolica	Anatolian Orchid			x				
37	Orchis anthropophora	Man Orchid	+-		+		x		
38	Orchis italica	Italian Orchid	+		+			X	
30	Orchis mascula group	Italian Oremu	+						
39	Orchis provincialis	Provence Orchid	+				X		
39	Neotinea group	Provence Ordina	+		-		^		
40	Neotinea group Neotinea maculata	Dense-flowered Orchid			-		X		
	Limodorum abortivum		+		-		x	X	
42	Limodorum abortivum	Violet Bird's Nest Orchid	+		-		X	^	
	Out	- · () - · ·							
	Oth	er flora							
	Scientific	Common name	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
	Aspleniaceae		1	_		7			
1	Asplenium ceterach	Rusty-back Fern		х					
	Pinaceae								
2	Pinus brutia	Turkish Pine/Rough Pine	х						
	Cupressaceae								
3	Cupressus sempervirens	Italian Cypress					х		
4	Juniperus oxycedrus	Large-fruited Juniper		х					
	Alliaceae								
5	Allium neapolitanum	Neapolitan Garlic	х						
	Allium roseum					х			
	Amaryllidaceae								
6	Pancratium maritimum	Sea Daffodil				х			
	Asphodelaceae								
7	Asphodelus aestivus	Small-fruited Asphodel					х		
8	Asphodelus fistulosus	Hollow-stemmed Asphodel		х					
	Araceae								
9	Arisarum vulgare	Friar's Cowl	х						
11	Dracunculus vulgaris	Dragon Arum	х			х			
	Hyacinthaceae								
12	Ornithogalum umbellatum	Garden Star-of-Bethlehem					х		
	Ornithogalum narbonense					x			
13	Muscari comosum	Tassel Hyacinth	х						
14	Muscari neglectum	Southern Grape Hyacinth	1				х		
15	Muscari weissii	Weiss' Grape Hyacinth	†	х					
16	Bellevalia trifoliata	Three-leaved Hyacinth	х						
		,	+-						
	Iridaceae		+-						
				1	1	-	-		

19	Gladiolus anatolicus	Anatolian Gladiolus	Т	х		х			
	Liliaceae	7 triatorian Ciadroras		,		, , , , , , , , , , , , , , , , , , ,			
21	Gagea graeca		x						
22	Fritillaria rhodia	Rhodian Fritillary	^	X					
22	THUMANA THOUSA	Kiloulan i i titillar y	+	^					
	Poaceae		+						
22		Plinius' Giant Cane							
23	Arundo donax ssp. donax Briza maxima	Plinius Giant Cane	X	x					
24	Lagurus ovatus	Bunny Tails		X					
	Aizoaceae	· ·							
	Anacardiaceae								
26	Pistacia lentiscus	Mastix Tree		x					
	Apiaceae			1					
28	Ferula communis	Giant Fennel							
	Bupleurum			X					
	Lagoecia cuminoides								
	Orlaya daucoides					х			
	Torilis						х		
	Tordylium aegyptiacum								
	Aristolochiaceae								
29	Aristolochia guichardii	Rhodian Dutchman's Pipe				х			
	Asteraceae								
	Achillea cretica			X					
	Asteriscus aquaticus					Х			
	Asteriscus aquaticus					Х			
31	Centaurea (Cnicus) benedicta	Blessed Thistle				X			
32	Centaurea lactucifolia	Lettuce-leaved Star-thistle		х					
	Geropogon hybridus						х		
34	Leontodon tuberosus	Tuber Hawkbit					х		
35	Taraxacum hellenicum	Greek Dandelion					х		
	Crupina crupinastrum			х					
	Urospermum picroides				х				
	Scientific	Common name	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
36	Sonchus oleraceus	Spiny Sow-thistle		_					
37	Tragopogon porrifolius	Southern Salsify		х					
38	Pallenis spinosa	Spiny Starwort		х					
39	Bellis annua	Annual Daisy					х		
40	Bellis perennis	Common Daisy					х		
44	Glebionis coronaria	Crown Daisy		х					
	Evax pygmaea			х					
	Anthemis rhodensis							х	
	Boraginaceae								
45	Lithodora hispidula	Shrubby Gromwell		х					
46	Alkanna tinctoria	Dyer's Alkanet		х					
47	Echium angustifolium	Narrow-leaved Bugloss		Х					
		· ·	-						

hybrida Anchusa Brassicae 1 Arabis ve 1 Biscutell Alyssum Matthiol Cakile m Capsella Campan 1 Cislene sa 1 Silene di 1 Silene cr 1 Paronych 1 Cistacea 1 Cistacea 1 Cistus cr 1 Cistus pa 2 Cistus sa 1 Convolve 1 Cyperus 1 Cyperu	a azurea	Garden Anchusa			х				
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Caryoph Arenaria Go Dianthus Gypsoph Petrorha Silene sa Silene di Silene di Silene cri Paronych Cistacea Helianth Helianth Helianth Cistus pa Convolve Crassula Umbilicu Cyperus Cytinace So Cytinus reclusii	nula rhodensis	Small Rhodian Bellflower		х					
Arenaria Gobianthus Gypsoph Petrorha Silene sa Silene be Silene di Silene cri Paronych Cistacea Fumana Helianth Helianth Helianth Cistus cri Cistus pa Convolve Crassula Umbilicu Cyperus Cytinace So Cytinace Cytinace Cytinus h	nula hagielia	Large Rhodian Bellflower	х		<u> </u>	<u> </u>	<u> </u>	<u> </u>	
Arenaria Gobianthus Gypsoph Petrorha Silene sa Silene be Silene di Silene cri Paronych Cistacea Fumana Helianth Helianth Helianth Cistus cri Cistus pa Convolve Crassula Umbilicu Cyperus Cytinace So Cytinace Cytinace Cytinus h	hvllaceae								
Gypsoph Petrorha Silene sa Silene be Silene di Silene di Silene cr Paronych Cistacea Fumana Helianth Helianth Helianth Cistus pa Convolve Crassula Umbilicu Cyperus Cytinace Cytinace Cytinace Cytinus h						+	+	Х	+
Gypsoph Petrorha Silene sa Silene di Silene di Silene di Silene cri Paronych Cistacea Helianth Helianth Helianth Cistus cri Cistus sa Convolve Crassula Umbilicu Cyperus Cytinace Silene di Silene vu Silene di Silene cri Paronych Cistacea Custacea Cyperus Cyperus Cytinace Cytinus h	us crinitus	Long-haired Pink			+	Х	 	1	
Petrorha Silene sa Silene be Silene di Silene di Silene cr Paronych Cistacea Fumana Helianth Helianth Cistus cr Cistus pa Convolve Crassula Umbilicu Cyperus Cytinace Silene di Silene di Silene cr Paronych Cistacea Custacea Cyperus Cytinace Cytinus h	hila confertum		+	 	\vdash	\vdash	\vdash	х	+
Silene sa Silene be Silene di Silene vu Silene di Silene cri Paronych Cistacea Fumana Helianth Helianth Cistus cri Cistus cri Cistus sa Convolve Crassula Umbilicu Cyperace Cyperus Cytinace Silene cri Paronych Cistacea Cistacea Convolve Crassula Convolve Crassula Cyperace Cyperus Cytinace	agia dubia		+	 	\vdash	х	\vdash	+	+
Silene ber Silene di Silene vu Silene di Silene cri Paronych Cistacea Silene cri Paronych Cistacea Silene cri Paronych Cistacea Cistacea Cistus cri Cistus par Cistus par Convolve Convolve Crassula Umbilicu Cyperace Cyperus Cytinace Cytinace Cytinace Cytinus h	alamandra		+	 	+-	\vdash	\vdash	х	+
Silene di Silene vu Silene di Silene cri Paronych Cistacea 58 Fumana Helianth Helianth Cistus cri 61 Cistus pa 62 Cistus sa Convolve Crassula Umbilicu Cyperus Cytinace 65 Cytinus h		Hairless Catchfly	x	\vdash	+-	\vdash	+	1	+
Silene vu Silene di Silene cri Paronych Cistacea 58 Fumana Helianth Helianth GO Cistus cri 61 Cistus pa 62 Cistus sa Convolve Convolve Crassula Umbilicu Cyperace Cyperus Cytinace 65 Cytinus h	lichotoma	,	X	\vdash	+-	\vdash	+	+	+
Silene di Silene cri Paronych Cistacea Esse Fumana Helianth Helianth Cistus cri Cistus sa Convolve Crassula Umbilicu Cyperus Cytinace Cytinace Clusii			+	x	+-	\vdash	+	+	+
Silene cri Paronych Cistacea 58 Fumana Helianth Helianth Cistus cri 61 Cistus pa 62 Cistus sa Convolve Crassula Umbilicu Cyperace Cytinace 65 Cytinus h		beach	+		+	+	+	-	+-
Paronych Cistacea Fumana Helianth Helianth Cistus cre Cistus pa Convolve Crassula Umbilicu Cyperace Cyperus Cytinace Cytinus h clusii			+	-	+	+	Х	+	+-
Cistacea Fumana Helianth Helianth Cistus cri Cistus pa Convolve Convolve Crassula Umbilicu Cyperace Cytinace Cytinace Custacea	chia argentea		+-	х	\vdash	\vdash	7.	 	+
Fumana Helianth Helianth Cistus cre Cistus pa Cistus sa Convolve Crassula Umbilicu Cyperace Cyperus Cytinace Cytinus h			+		\vdash	 	 	 	+
Helianth Helianth Cistus cri Cistus pa Cistus sa Convolve Convolve Crassula Umbilicu Cyperace Cyperus Cytinace Clusii		Arabian Rockrose	+		 		х	 	+
Helianth Cistus cri Cistus pa Cistus sa Convolve Convolve Crassula Umbilicu Cyperace Cyperus Cytinace Cytinus r clusii	hemum salicifolium		+	 	\vdash	+	x	 	+-
Cistus cro Cistus pa Cistus pa Convolve Convolve Crassula Umbilicu Cyperace Cyperus Cytinace Cytinus h	hemum appeninum		+	 	\vdash	\vdash	х	+	+
Cistus pa Convolve Convolve Crassula Umbilicu Cyperace Cyperus Cytinace Cytinus h		Grey Rockrose	+-	x	\vdash	\vdash		 	+
Convolve Convolve Crassula Umbilicu Cyperace Cyperus Cytinace Cytinus h	parviflorus	Small-flowered Rockrose	+	x	\vdash	\vdash	\vdash	+	+
Convolve Convolve Crassula Umbilicu Cyperace Cyperus Cytinace Cytinus h	alviifolius	Sage-leaved Rockrose	+	X	+-	\vdash	+	+	+
Convolve Crassula Umbilicu Cyperace Cyperus Cytinace Cytinus h		0.00	+		\vdash	+	+	+	+
Crassula Umbilicu Cyperace Cyperus Cytinace Cytinus h	vulus oleifolius		+-	-	\vdash	х	-	+	+
Cyperace Cyperus Cytinace Cytinus h			+	-	+	^	+	+	+
Cyperace Cyperus Cytinace Cytinus h			+	X	+	+	+	+	+
Cyperus Cytinace Cytinus h			+	^	+	+	+	+	+
Cytinace 65 Cytinus h clusii			-		+	x	-	 	+
65 Cytinus ł	<u> </u>		+	-	+	^	-	├──	+
	.eae	Yellow Cytinus		х	+		-		+-+
	hypocistis ssp.			Day	Day	Day	Day	Day	Day 7
Scientific		Campus nama	I Dav			Lut	Day	Duy	Day,
Dipsacac 66 Knautia i	fic	Common name	Day 1	2	3	4	5	6	

	Scabiosa sicula				Τ	х	Τ		
	Ericaceae								
67	Arbutus andrachne	Eastern Strawberry-tree			X				
	Erica manipuliflora	,		X					
	Euphorbiaceae								
68	Euphorbia	Greek Spiny Spurge		x					
	acanthothamnos	, , , , , , , , ,							
	Euphorbia exigua				х				
	Euphorbia helioscopia					х			
	Fabaceae								
70	Astragalus austroaegeaous	South Aegaean Milkvetch			х				
71	Astragalus spruneri	Spruner's Milkvetch			х				
72	Bituminaria bituminosa	Pitch Trefoil		х					
	Securigera securidaca				x				
74	Genista acanthoclada	Thorny Broom	+	x	+				
	Calycotome villosa	,			+	+	1	х	
	Hedysarum spinosissimum				+	x	1	<u> </u>	
	Hippocrepis multisiliquosa		+			X			
	Hymenocarpos circinnatus		+			X			
76	Lathyrus aphaca	Yellow Vetchling	+			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Х		
77	Lathyrus clymenum	Crimson Pea					1 ^		
	Lathyrus cicera	Gillison i ca	х						
78	Medicago minima	Burr Medick	1	x					
	Medicago orbicularis		+		+	x			
	Medicago monspeliaca					x			
	Medicago marina					х			
	Medicago rugosa		+		+	x			
	Medicago		+			X			
79	Ononis hispanica	Spanish Restharrow		х					
	Onobrychis caput-galli					х			
	Onobrychis aequidentata						х		
80	Pisum sativum	Garden Pea				х			
81	Securigera cretica	Cretan Crown-vetch							
	Trifolium argutum					х			
	Trifolium angustifolium					х			
	Trifolium stellatum		х						
82	Trifolium campestre	Hop Clover		х					
83	Trifolium clypeatum	Shield Clover					х		
85	Trifolium grandiflorum	Large-flowered Hop Clover						х	
	Trifolium pilulare						Х		
	Trifolium tomentosum						Х		
	Trigonella cretica							х	
	Vicia cretica				х				
	Fagaceae								
	Quercus coccifera			х					
	Gentianaceae								
	Blackstonia perfoliata			х					
	Geraniaceae								

90	Geranium lucidum	Shining Crane's-bill		Т		Т	x	Τ	
91	Geranium molle	Dove's-foot Crane's-bill					х		
	Geranium purpureum		Х						
93	Erodium cicutarium	Common Stork's-bill			х				
94	Erodium gruinum	Long-beaked Stork's-bill					х		
	Erodium malacoides						х		
	Erodium moschatum						х		
	Erodium laciniatum					х			
	Lamiaceae								
	Acinos exiguus							х	
96	Salvia fruticosa	Greek Sage		х					
97	Salvia viridis	Annual Clary				х			
98	Satureja thymbra	Roman Hyssop		х					
99	Lavandula stoechas	French Lavender			х				
	Prasium majus			х					
	Teucrium brevifolium			Х					
	Linaceae								
100	Linum bienne	Pale Flax				х			
101	Linum virgultorum	Bushy Flax						х	
	Oxalidaceae								
102	Oxalis pes-caprae	Bermuda buttercup	х						
	Paeoniaceae								
103	Paeonia clusii ssp. rhodia	Rhodian Peony					х		
	Papaveraceae								
104	Papaver rhoeas	Common Poppy		х					
	Hypecoum sp.			х					
	Glaucium flavum					х			
	Plantaginaceae								
106	Plantago afra	Glandular Plantain							
107	Plantago cretica	Cretan Plantain		x					
	Plantago lagopus			х					
	Plantago coronopifolia			Х					
	Platanaceae								
108	Platanus orientalis	Oriental Plane						х	
	Polygalaceae								
109	Polygala monspeliaca	Mediterranean Milkwort					х		
	Polygala venulosa			x					
	Polygonaceae								
110	Rumex bucephalophorus	Horned Dock		x					
	Rumex vescicarius					X			
111	Rumex tuberosus	Cretan Dock	x	+	+	+	+	+	
			+	+	+	+	+		
	Primulaceae		+	+		+	+	+	
112	Anagallis arvensis	Scarlet Pimpernel (+var.	х		+				
		blue)		+	_	+-	+		
113	Cyclamen rhodium	Rhodes Cyclamen			Х				

	Ranunculaceae								
	Ranunculus asiaticus					х			
114	Anemone blanda	Balkan Anemone					х		
115	Anemone coronaria	Crown Anemone	х						
117	Ranunculus paludosus	Jersey Buttercup					х		
	Ranunculus chius						х		
	Rosaceae								
118	Crataegus sp.					х			
	Rubiaceae								
119	Sherardia arvensis	Blue Fieldmadder					х		
	Solanaceae								
	Mandragora officinalis						х		
	Scientific	Common name	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
120	Valantia hispida	Spiny Valantia		х					
	Scrophulariaceae								
121	Antirrhinum orontium					х			
123	Bellardia trixago	Mediterranean Lineseed				х			
	Linaria pelisseriana						х		
126	Orobanche ramosa	Branching Broomrape			х				
127	Orobanche minor	Common Broomrape		х		х			
128	Parentucellia latifolia	Red Bartsia				х			
	Parentucellia viscosa				х				
	Veronica cymbalaria						х		
	Valerianaceae								
129	Valerianella vesicaria	Bladder Corn Salad		х					
130	Valerianella sp.				х				
	В	irds							
	Scientific	Common name	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	Otus scops	Scops Owl							
2	Upupa epops	Ноорое				х		х	
3	Ardea cinerea	Grey Heron							
4	Fulica atra	Coot						х	
	Gallinula chloropus	Moorhen						х	
5	Tachybaptus ruficollis	Little Grebe							
6	Podiceps cristatus	Great Crested Grebe						х	
8	Galerida cristata	Crested Lark				х			
11	Saxicola rubicola	Stonechat					х		
14	Hirundo rusticola	Swallow		х	х	х	х		
15	Cecropis daurica	Red-rumped Swallow				х		х	
16	Apus apus	Swift			х	х	х		
17	Apus melba	Alpine Swift							
18	Delichon urbicum	House Martin		х	х	х	х		
	Delicitori di bicarri								-
19	Ptyonoprogne rupestris	Crag Martin		х		х			
19 26				x x	х	x	х		

34	Fringilla coelebs	Chaffinch		х		х	х	х	
36	Emberiza calandra	Corn Bunting		х			х	х	
	Pernis apivorus	Honey buzzard						х	
40	Buteo buteo	Common Buzzard			х	х	х		
41	Accipiter nisus	Sparrowhawk		х				х	
42	Circaetus gallicus	Short-toed Eagle		х					
	Aquila fasciata	Bonelli's Eagle			х				
46	Turdus merula	Blackbird						х	
47	Monticola solitarius	Blue Rock Thrush							
48	Cyanistes caeruleus	Blue Tit				х	х	х	
49	Larus michahellis	Yellow-legged Gull		х					
50	Corvus corax	Raven		х	х	х	х	х	
51	Corvus cornix	Hooded Crow		х	х	х	х	х	
52	Garrulus glandarius atricapilla	Jay		х	х	х	х		
		Wren		х					
		Collared dove		х		х			
		Chukar			х				
		Corn crake				х			
		Golden oriole							
		Sedge warbler				х			
		Coal tit					х		
		Wood lark					х	х	
		Cuckoo					х		
		Turtle dove					х		
		Little egret						х	
		Bee eater						х	
	Ві	utterflies	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
				_					
1	Scientific	Common name							
1	Scientific Zerynthia cerisy	Common name Eastern Festoon				Х	Х	Х	
2				X		x	х	x	
	Zerynthia cerisy	Eastern Festoon	x	x			Х	x	
2	Zerynthia cerisy Papilio machaon	Eastern Festoon Swallowtail	X	X		х	X		
2	Zerynthia cerisy Papilio machaon Iphiclides podalirius	Eastern Festoon Swallowtail Scarce Swallowtail	X	X	X	х	X		
2 3 4	Zerynthia cerisy Papilio machaon Iphiclides podalirius Aporia crataegi	Eastern Festoon Swallowtail Scarce Swallowtail Black-veined White	x	x	x	х			
2 3 4 5	Zerynthia cerisy Papilio machaon Iphiclides podalirius Aporia crataegi Glaucopsyche alexis	Eastern Festoon Swallowtail Scarce Swallowtail Black-veined White Green Underside Blue	x	X	+	х	X	X	
2 3 4 5 6	Zerynthia cerisy Papilio machaon Iphiclides podalirius Aporia crataegi Glaucopsyche alexis Callophrys rubi	Eastern Festoon Swallowtail Scarce Swallowtail Black-veined White Green Underside Blue Green Hairstreak	X		х	x	X X	X	
2 3 4 5 6 7	Zerynthia cerisy Papilio machaon Iphiclides podalirius Aporia crataegi Glaucopsyche alexis Callophrys rubi Vanessa cardui	Eastern Festoon Swallowtail Scarce Swallowtail Black-veined White Green Underside Blue Green Hairstreak Painted Lady	X	X	x x	x x	X X	x x x	
2 3 4 5 6 7 8	Zerynthia cerisy Papilio machaon Iphiclides podalirius Aporia crataegi Glaucopsyche alexis Callophrys rubi Vanessa cardui Colias crocea	Eastern Festoon Swallowtail Scarce Swallowtail Black-veined White Green Underside Blue Green Hairstreak Painted Lady Clouded Yellow	X	X	X X X	x x x	X X	x x x	
2 3 4 5 6 7 8	Zerynthia cerisy Papilio machaon Iphiclides podalirius Aporia crataegi Glaucopsyche alexis Callophrys rubi Vanessa cardui Colias crocea Pieris brassicae	Eastern Festoon Swallowtail Scarce Swallowtail Black-veined White Green Underside Blue Green Hairstreak Painted Lady Clouded Yellow Large White	X	X	X X X	x x x	X X	x x x	
2 3 4 5 6 7 8	Zerynthia cerisy Papilio machaon Iphiclides podalirius Aporia crataegi Glaucopsyche alexis Callophrys rubi Vanessa cardui Colias crocea Pieris brassicae Vanessa atalanta	Eastern Festoon Swallowtail Scarce Swallowtail Black-veined White Green Underside Blue Green Hairstreak Painted Lady Clouded Yellow Large White Red admiral	X	X	X X X	x x x	X X	x x x x	
2 3 4 5 6 7 8	Zerynthia cerisy Papilio machaon Iphiclides podalirius Aporia crataegi Glaucopsyche alexis Callophrys rubi Vanessa cardui Colias crocea Pieris brassicae Vanessa atalanta Maniola telmessia Lycaena phlaeas	Eastern Festoon Swallowtail Scarce Swallowtail Black-veined White Green Underside Blue Green Hairstreak Painted Lady Clouded Yellow Large White Red admiral Aegean Meadow brown Small copper	X	X	X X X	x x x x x	X X	x x x x	Day 7
2 3 4 5 6 7 8	Zerynthia cerisy Papilio machaon Iphiclides podalirius Aporia crataegi Glaucopsyche alexis Callophrys rubi Vanessa cardui Colias crocea Pieris brassicae Vanessa atalanta Maniola telmessia Lycaena phlaeas	Eastern Festoon Swallowtail Scarce Swallowtail Black-veined White Green Underside Blue Green Hairstreak Painted Lady Clouded Yellow Large White Red admiral Aegean Meadow brown		X	x x x x	x x x x x x x x	X X X	x x x x x x x x x	Day 7

		Hare			x		
	R	eptiles					
	Scientific	Common name					
1	Dolichophis jugularis	Black Whip Snake				х	
2	Lacerta trilineata	Balkan Green Lizard				х	
	Ablepharus kitaibelii	Snake-eyed skink				х	
	Other fa	una and flora					
	Scientific	Common name					
	Empusa fasciata	A Praying Mantis	х				
	Melaphe vestita			х			
		Egyptian locust		х			
		Karpathos frog				х	