

# Birding Southern Morocco

Naturetrek Tour Report

22nd September – 1st October 2025

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American Golden Plover



Greater Hoopoe-Lark



Pharaoh Eagle-Owl



Desert Wheatear

Tour report by Martin Pitt  
Photos by Martin Pitt and Dennis Alden



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Tour participants: Martin Pitt (leader) and Said El Basri (driver) with ten Naturetrek clients

## Summary

Naturetrek's trip to Southern Morocco covered all of the major habitats across the area, from the High Atlas through the southern deserts to the coast, and introduced the group to the culture and wildlife of this part of North Africa. We connected with many of specialties, recording a total of 162 species of birds (plus four distinctive subspecies), together with five species of mammal, thirteen butterflies, ten reptiles, and nine damselflies and dragonflies. The weather was fine, and after the 40°C of the previous week, the temperature had dropped to a much more manageable level in the low 30s or below. Oddly for this time of year, there was little wind, but in general the fair conditions for us were also good flying conditions for migrants; consequently most were not hanging around for us to find them!

Notwithstanding, we had a memorable ten days connecting with most of the regional specialties including Northern Bald Ibis, Pharaoh Eagle Owl, Moussier's Redstart, Egyptian Nightjar, African Desert Warbler and Desert Sparrow. We found a bewildering mix of nine species of larks (including the much sought after Atlas, Red-rumped, Desert and Maghreb) and eight species of wheatears, together with Greater Hoopoe, Bar-tailed, Desert and Thick-billed Larks. With the easy passage conditions, we struggled to connect with southbound birds; however, who can forget the thermal where two Black Storks were harried by a Long-legged Buzzard, and then joined by two Short-toed Snake Eagles, the wave after wave of chuckling and gurgling Sandgrouse flying in to drink at Erg Chebbi, or the flock of Bald Ibises within sight of the Atlantic, made more poignant after two days of searching and representing about 25% of the world's wild population.

Perhaps more than at other times of the year, early autumn is a time for surprises, and three national rarities were found: a stunning male Moltoni's Warbler at Tizzarine, a Plain Swift at Oued Massa, and Morocco's ninth American Golden Plover. Although in lower numbers than usual, more regular migrants included Blue-cheeked Bee-eaters and many European breeding chats, flycatchers and warblers. At the coast, these were supplemented by a host of waders. The diversity of landscapes and wildlife made this a truly special tour.



Escarpment west of Rissani



## Day 1

## Monday 22nd September

### Marrakech and Oukaïmeden

The group arrived early and soon cleared passport control, met up with our driver Said and headed south out of Marrakech. Our target was the ski station at Oukaïmeden, but we stopped just short at an Atlas Cedar grove to have our picnic lunch. The wood here is normally quite productive, and we were soon surrounded by a number of singing Firecrests. Short-toed Treecreeper, African Chaffinch, Atlas Coal Tit and African Blue Tits. A Levallant's Woodpecker was a welcome find as it hunted for ants among the boulders.

After lunch, we headed higher into Oukaïmeden valley, in the alpine zone. This area is used by seasonal pastoralists, and their flocks were grazing the hillsides. As we left the bus to walk higher, a Black Redstart was a welcome find, but it was very windy at this altitude and finding birds was tricky. A couple of Common Kestrels were playing on the wind, but a smart Atlas Wheatear was some consolation to a relatively birdless landscape. A few Atlas Day Geckos gave a reminder that other endemics were in this habitat. At the man-made forest of ski lifts, we found a Pied Flycatcher and a mix of Willow Warblers and Chiffchaffs. We tried another area with views of Jebel Toubkal (Morocco's highest mountain), and in the surrounding area found more Atlas Wheatears, and a family party of Black Wheatears feeding close to the road. We loaded the bus and drove back to the lake, adding the expected Coot and a Grey Wagtail before, heading back downhill, with the clouds building.

Back at our Marrakech hotel, we were all able to meet up with the balance of the group and to enjoy our first meal together, before the early start caught up with us and we retired to prepare for the journey south the following morning.



Levallant's Woodpecker



Orange-winged Dropwing

## Day 2

## Tuesday 23rd September

### Over the Atlas Mountains to Ouarzazate

We left the hotel at 8.30am in our minibus, and headed south-east across the agricultural area around Marrakech. The overnight rain had flooded some of the roads, and we needed to backtrack before we could begin the climb along the N9, which traverses the High Atlas via the Tizi-n'Tichka pass at 2260m.

We started to climb, and stopped at the pine woods of Escale Forest. Here, African Chaffinch was by far the most plentiful species, but we started searching for others. A Long-legged Buzzard soared over the nearby ridges and calling Crossbills gave only the briefest of flybys. We found plenty of African Chaffinches and noisy Atlas Coal Tits, which eventually showed well. Things were quiet on the migrant front, but still we managed to find Western Subalpine Warbler, Western Bonelli's Warbler and a Pied Flycatcher. Before we left, one of the local pair of Bonelli's Eagles showed over the ridge opposite us. We climbed further up the mountains, stopping at a café for welcome drinks and close views of African Blue Tits and (heard only) Jays.

We stopped at Taddart for a traditional tagine lunch at a café below the pass, and our last stop below the col was at the Source de Tichka. A short walk across the short turf yielded little save a few migrating Yellow Wagtails, a Vaucher's Wall Lizard and Rosy Grizzled Skipper. We crossed the col and headed down the southern slope. In the next hour, we dropped to the high arid steppe, and our next stop was just outside the town of Amerzgane. Here, our first desert search appropriately yielded Desert Lark, and with a bit more hunting we also found Western Bonelli's Warbler, Western Subalpine Warbler and (perhaps more surprisingly) a Melodious Warbler. Dragonflies were also present, and an Orange-winged Dropwing perched up, giving good views.

We then headed to Ouarzazate, making a short stop to overlook the dry reservoir. Hirundines were active and we found our first Sand Martins; however, it was the Blue-cheeked Bee-eaters that stole the show. A few raptors showed, albeit a bit distantly: we added Booted Eagle, Marsh Harrier and Montagu's Harrier to our growing list before we headed to the Hotel Karam Palace for the night.

## Day 3

## Wednesday 24th September

### Ouarzazate to Boumalne Dades am, Gorges de Dadès & Tagdilt track pm

After breakfast, we headed to the barrage and an area of agricultural fields on the reservoir floor to see if we could find any migrants. We were immediately welcomed by three Reed Warblers, wheeling hirundines and a flyover by four Gadwalls. That mix set the tone for the morning, with a mix of migrants and resident birds. The Yellow Wagtails were definitely migrants, but a Hoopoe was probably a local breeder, as was a Zitting Cisticola. We had better views of the Blue-cheeked Bee-eaters this morning, and tracking these flyover birds led us to our first Red-rumped Swallow. The stream and irrigated areas were attractive to waders, and we built a list of species including parties of Snipe and Wood Sandpipers. We also found some non-avian treats, with Moroccan Jird and Bosc's Fringe-toed Lizard both being additions.

We headed further east, to the area by the aborted golf complex. Here, at last, we could see some water, and certainly more than in recent years. We added a range of new species, including Great Crested Grebe with a couple of young, and a few herons including Grey and Little Egrets. However, pride of place went to a lone Osprey which appeared to be bathing, and to a party of Black Terns flying low over the reservoir, many settling on the surface. We didn't ignore the dry rocky area around us, and here we found more Desert Larks, of a noticeably different colour morph compared to those seen yesterday, and a Northern Banded Groundling dragonfly.

We continued east: the Dadès valley here is known as the Vallée de Roses, for the growing of Damask Roses and the production of rosewater and other related products. We had our picnic at a café before heading on to the Dadès Gorge, stopping at the last section to view the strange rock formations known as Les Pattes de Singe (The

Monkey's Paws). In the gorge, we headed straight to the head of the road and then walked down the series of switchbacks towards the river. The gorge was very quiet, with only Black Wheatears showing, while Crag Martins wheeled overhead. We also found a new butterfly, namely North African Orange-tip, and some Barbary Ground Squirrels.

Our final stop of the day was on the famous Tagdilt track, just to the east of Boumalne Dades. The plain itself was relatively quiet, but diligent searching added Thekla's Lark and reasonable numbers of Red-rumped Wheatears perching on the piles of building waste. Night was at the characterful surroundings of the Kasbah Didis in the Dades valley.

## Day 4

## Thursday 25th September

### Boumalne Dades to Erfoud, including Tagdilt track am

We breakfasted and left at 8.30am to return to the same gravel plains to the east of town, but this time along the new Tagdilt track. Our first stop on the steppe was at a natural bowl where, despite no water remaining, the vegetation was comparatively lush and attracted a number of birds. As expected, Temminck's Larks were the most numerous of the residents, but we noticed the first of migrating parties of Greater Short-toed Larks, a feature that set the tone for the whole day. Wheatears are often a feature of these plains, and we soon found a number of Desert Wheatears to add to our list. A flyby Thick-billed Lark showed that at least this most-wanted species was present.

We moved up the southern end of the old Tagdilt Track and walked a loop around the steppe. Birds were again at a premium, but we found party after party of migrating Greater Short-toed Larks, and more Temminck's Larks. Overhead, two Black Storks rose on a thermal heading southwards, annoying a local Long-legged Buzzard that rose to chase them away. The storks were soon joined by two Short-toed Snake Eagles, companions on the Sahara-bound migrants.

Heading only a few kilometres further east, we entered a dry gorge that is always a highlight of these trips. We met up with Hassan, the local guardian of the site. The expected Long-legged Buzzard was perched on a nearby pylon, and Trumpeter Finches were found to be plentiful. As promised, we found a Maghreb Wheatear, this time a female of the pale-throated form rarely found here. Soon, we set up the scopes for the Pharaoh Eagle Owl, the female perching out in full view, while one of its young still hid in the cave behind.

We moved on for our picnic near Tinejdad, before dropping down to the Sahara's edge and a short stop at a well north-west of Jorf. Overgrazing had decimated the vegetation that had been so vibrant in the spring; however, we found the sought after Maghreb Lark among the mix of Desert Larks and the now ubiquitous Greater Short-toed Larks. After pausing to photograph Spotted Fringe-toed Lizard, we headed on to Erfoud and our hotel, the Palm Club, for our two-night stay.

## Day 5

Friday 26th September

### Dawn to dusk in the desert

It was 6.30am when the four jeeps, headed by our guide Lahcen, departed for the desert. As we headed south, dawn broke over Algeria and we headed for our first stop to search for African Desert Warbler. Although there were some snatches of song, the bird didn't show and we made do with our first Greater Hoopoe-Lark, a species much-wanted by all. We also traced the many tracks in the sand, including Fennec Fox and many lizards, and one of the drivers gently extracted a Lesser Egyptian Gerbil from its burrow to show the group.

The next major target was Egyptian Nightjar, and we headed to a sandy river bed, where we met Mubarak, the local 'Mr Nightjar'. The bird was roosting under a small bush and was all but invisible, even if you knew it was there. A Bar-tailed Lark was also in view, apparently oblivious to the nightjar at the base of the same bush. We moved on 200m or so, and with Mubarak's assistance we tracked down an African Desert Warbler, which gave good views as it foraged on the ground. From the same spot we could hear a family party of Fulvous Babbler, and we crossed the dry river bed to the bank opposite to watch them playing tag through the tamarisks and palms.

By now it was getting close to the magic time of two hours after sunrise, so we chased across the gravel plains to head back towards the Erg Chebbi and the drinking pools. It was clear that good numbers of sandgrouse were drinking today, with birds flying in, waiting in flocks on the surrounding plains, or queuing to drink at the pool itself. Both Crowned and Spotted were present, and we spent some time watching their comings and goings.



Spotted Sandgrouse

The next site was a smallholding where the family was busy harvesting their dates. The combination of ripe dates and market gardens are attractive in the arid landscape. Migrants included an incongruous Reed and many Western Subalpine Warblers. Local species included another family party of Fulvous Babbler and a wonderful male Desert Sparrow, which fed on the ripe dates. Other birds were attracted by the dates; however, it was still a surprise to see a Greater Hoopoe-Lark tucking into the fallen fruit. The irrigation channels were attractive to odonates, including Epaulet Skimmer and Saharan Bluetail. A few butterflies were also present, including our first Painted Lady and a Mediterranean Skipper.

We then had a comfort stop at Lahcen's tented camp overlooking Erg Chebbi, and after some refreshing mint tea we headed off to our final stop before lunch, at the palmerie at Igrane, to see if any migrants dropped in. There

were very few birds around, but a confiding Turtle Dove was some consolation. The central runnel was attractive to dragonflies, and we added Violet and Orange-winged Dropwing to the day's finds. In the palmerie, we discussed this community resource that is the foundation of the local agricultural system, with crops grown in the shade of the palms.

Over lunch we learnt about Berber carpets, before we headed back out into the desert. Crossing the gravel plain, we headed north back towards Erfoud. Our first stop was for two wheatears sheltering in the shade of a bush. One resolved itself into a migrant Western Black-eared Wheatear. The route to Erfoud was far from direct as we crisscrossed the plain, following the break between gravel and sand in a search for Cream-colored Courser: luck was not on our side. More larks were seen, but the only other bird was another Western Black-eared Wheatear; we also found a Böhme's Agama.

Our final stop of the day was at Oued Erfoud, the river valley within sight of our hotel. The remaining water had attracted a few waterbirds, notably half a dozen Ruddy Shelducks and a few Black-winged Stilts.

## Day 6

**Saturday 27th September**

### Erfoud to Ouarzazate via the Tizi-n-Tinifit Pass

Today was another transfer day, returning to Ouarzazate along the southern route. Early stops at an escarpment near Rissani offered few birds except for the resident Maghreb Larks, White-crowned Wheatears and Brown-necked Ravens. However, a passing migrant European Honey Buzzard was a big surprise. We moved on to our normal fossil stop, where a few minutes wandering showed the richness of the strata, which contained many fossil Belemnites (a prehistoric squid) and ferns.

We headed west, and were soon heading across the empty gravel plains. Unlike the northerly route, these were marked with flat-topped acacias, giving the impression of African savannah. After tea and coffee at Alnif, we stopped a couple of times around Tazzarine. The palmerie here is a noted migrant hotspot, and it hosted a few species, including our first Western Orphean Warblers and some tiny Desert Babul Blue butterflies, attracted to the acacia flowers. A few kilometres to the west, under some acacias, our picnic stop gave us views of another family party of Fulvous Babblers and a Great Grey Shrike. The migrant theme continued, with Northern Wheatear, both flycatchers and a calling male Moltoni's Warbler among the numerous Western Subalpine Warblers.

On reaching Oued Drâa, we found ourselves back in a landscape of palmeries and kasbahs. We stopped by the river which held a bit of water; there were few birds, although our second flyover Honey Buzzard of the day was a surprise. We crossed the Anti Atlas Mountains via the Tizi-n-Tinifit pass, stopping briefly to admire this stark landscape, and then dropped down into Ouarzazate. We arrived back at Karam Place hotel around 6.00pm.

## Day 7

**Sunday 28th September**

### Ouarzazate, Aoulouz Gorge and Taroudant

The journey to Taroudant is one of transition from the desert to the fertile Souss valley. We were following the edge of the High Atlas Mountains, although we could barely see the peaks in the murky light. About thirty minutes

after leaving the hotel we arrived at Iriri fields. This area of low-intensity agricultural fields on the banks of the Asif Tilidi (a tributary of the Drâa) is always a good migrant trap. As on all our previous days, the skies were clear and there was barely any wind. Consequently, migrant numbers were low, but we found both flycatcher species and a mix of other passage migrants. Of interest were a few Iberian Chiffchaffs, one perching close to a Willow Warbler and demonstrating the differences. Overhead, a few Red-rumped Swallows drifted by, and the river's edge held Reed Warblers, Moorhen and a single Squacco Heron.

After a tea/coffee and comfort stop, we reached Tinfat for lunch, where we enjoyed a refreshing glass of saffron-infused tea and learned about saffron production. As the autumn crocuses flower in November, there was still nothing to be seen of the plants themselves. The surrounding small holdings were also quiet birdwise; however, we did see our first Moussier's Redstart, albeit a dull female. Continuing west, we stopped a couple of times, firstly at the Argan trees near Aoulouz, and then on the bridge overlooking the Souss river. Birds were still scarce, but a Blue Rock Thrush was a welcome sighting, and a Blue Emperor dragonfly was another addition. Our final run into Taroudant was uneventful, and we checked into the charming surroundings of the Dar Tourkia hotel, where we enjoyed a very pleasant meal in the open air. Just before midnight, one of the group heard a calling Maghreb Owl.

## Day 8

Monday 29th September

### Taroudant, Tamri, Agadir

For the first time, the day started dull and cool, with low cloud lying over the agricultural plain between Taroudant and Agadir. Here, the land has increasingly been taken over by commercial growing of fruit and vegetable. We were back in the land of Spotless Starlings, and a roadside Great Grey Shrike was the first of the coastal subspecies *algeriensis*. We had a beach stop at Imi Ouaddar and scanned from the beach, picking out Cory's Shearwaters and Audouin's Gulls, plus a steady stream of Sandwich Terns. With few inshore fishing boats, the local gull flock was small, but a bullying juvenile Great Black-backed Gull was among the more usual Yellow-legged and Lesser Black-backed Gulls.

We rounded Cap Rhir, and headed to the estuary of Asif N'Srou, where over 300 Audouin's Gulls were loafing on the beach. The estuary held a good mix of waders and water birds, including a flock of Spoonbills and Avocets, Curlew Sandpipers and Redshanks. The dunes were home to our fourth Fringe-toed Lizard, in this case Margarita's. After a picnic lunch, we drove beyond Tamri, crossing the northern field to the Bald Ibis breeding cliffs at SIBE, but not finding any birds. The drive back to Agadir was uneventful, and we spent the night at the Al Moggar Hotel, Agadir.

## Day 9

Tuesday 30th September

### Agadir and Souss-Massa National Park

Today we headed south from Agadir; the weather was cool and overcast. We stopped on the arid plain outside Sidi R'bat, but the hoped-for larks were quiet; we did have good views of Spectacled Warbler. At the village itself, "the Stone-curlew field" lived up to its name with a minimum of 206 present. A brief look at the sea offered North African Cormorants, the usual gulls, and our first Turnstone and Oystercatchers.



We drove back to Massa and walked the entrance road to the National Park. As usual, this section was full of birds, and at times it was difficult to know where to look. The river was full of waders, the bankside vegetation held warblers and Moussier's Redstarts, and hirundines darted overhead. Ruffs were plentiful, and with Greenshanks, which were new for the trip, but it was a long-winged plover complete with a broad white supercilium that grabbed our attention. Amazingly, it was a vagrant American Golden Plover, only the ninth recorded in Morocco. Among the swallows an all-dark, attenuated swift dashed by: a Plain Swift, another scarcity, albeit closer to its normal home range of the Canary Islands.

The riverside tamarisks held plenty of birds, including the new-to-us Western Olivaceous Warbler; however, we had to make do only with the calls of Black-crowned Tchagras, as they stayed out of sight on the far bank. The small agricultural area held more Moussier's Redstarts, both flycatchers and quite a few butterflies, but nothing new. A Red Fox climbed the rocky slopes in front of us, before resting in the shade.

We walked to the grounds of the eco-museum and took our picnic lunch, then walked towards the sea. The river was the main attraction and a couple of Ospreys hunted the shallows. The large parties of Glossy Ibis, Spoonbills and Ruddy Shelduck were distant and blurry in the heat haze. Fortunately, a party of Black tailed Godwits was closer and therefore identifiable. We moved on to try another couple of places in the valley. At the first, we found Brown-throated Martin and Spotted Redshank. At the second, we walked along the river further inland; however, the wind had picked up, making viewing tricky. We moved on to try to fill the major omission on our list. We headed to the Water Treatment works at Iferiane, and at last we found the Northern Bald Ibises: over 160 were loafing on the cliff top. Just inland, we stopped at a field where a flock of 280 or so Turtle Doves was foraging. It was a welcome sighting of such a threatened species; however, the concentration attracted the attention of a couple of young Bonelli's Eagles!



Northern Bald Ibises

On our return to Agadir, we dropped into the Souss Estuary where the tide was quite low. Lots of waders were along the edge, mixing with Greater Flamingoes, White Storks and Spoonbills. Again, new species were found, including Curlew, Grey Plover and Caspian Tern. We tore ourselves away, and headed back to the hotel for our final night at the Al Moggar Hotel.

## Day 10

Wednesday 1st October

Agadir, Oued Souss, UK

Our final morning dawned cool and cloudy, marking a change in the weather. However, with a morning flight, we were packed and breakfasted by 8.00am for the short journey to the airport, made simpler by the completion of the new ring road. The flight left promptly, and made good time back to the Gatwick, where we said our goodbyes before our final journeys home, with great memories of a diverse and interesting country.

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## Species lists

Birds (H = Heard only)

| E=Endemic, N=Near-endemic |                                | September-October 2025 |    |    |    |    |    |    |    |    |   |
|---------------------------|--------------------------------|------------------------|----|----|----|----|----|----|----|----|---|
| Common name               | Scientific name                | 22                     | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 1 |
| Ruddy Shelduck            | <i>Tadorna ferruginea</i>      |                        |    |    |    | ✓  |    |    |    | ✓  |   |
| Gadwall                   | <i>Mareca strepera</i>         |                        |    | ✓  |    |    |    |    |    |    |   |
| Mallard                   | <i>Anas platyrhynchos</i>      |                        |    | ✓  |    |    |    |    |    |    |   |
| Eurasian Teal             | <i>Anas crecc</i>              |                        |    | ✓  |    |    |    |    |    |    |   |
| Egyptian Nightjar         | <i>Caprimulgus aegyptius</i>   |                        |    |    |    | ✓  |    |    |    |    |   |
| Plain Swift               | <i>Apus unicolor</i>           |                        |    |    |    |    |    |    |    | ✓  |   |
| Little Swift              | <i>Apus affinis</i>            |                        |    |    |    |    |    | ✓  |    |    |   |
| Spotted Sandgrouse        | <i>Pterocles senegallus</i>    |                        |    |    |    | ✓  | ✓  |    |    |    |   |
| Black-bellied Sandgrouse  | <i>Pterocles orientalis</i>    |                        |    | ✓  | ✓  |    |    |    |    |    |   |
| Crowned Sandgrouse        | <i>Pterocles coronatus</i>     |                        |    |    |    | ✓  |    |    |    |    |   |
| Feral Pigeon              | <i>Columba livia dom.</i>      | ✓                      | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓ |
| Rock Dove                 | <i>Columba livia</i>           | ✓                      | ✓  | ✓  |    |    | ✓  |    |    |    |   |
| Common Wood Pigeon        | <i>Columba palumbus</i>        | ✓                      | ✓  |    |    |    |    |    |    | ✓  | ✓ |
| Eurasian Collared Dove    | <i>Streptopelia turtur</i>     | ✓                      | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓ |
| European Turtle Dove      | <i>Streptopelia decaocto</i>   |                        |    |    |    | ✓  | ✓  |    |    | ✓  |   |
| Laughing Dove             | <i>Spilopelia senegalensis</i> |                        | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓ |
| Common Moorhen            | <i>Gallinula chloropus</i>     |                        |    |    |    |    |    | ✓  |    | ✓  |   |
| Eurasian Coot             | <i>Fulica atra</i>             | ✓                      |    | ✓  |    |    |    |    |    | ✓  |   |
| Little Grebe              | <i>Tachybaptus ruficollis</i>  |                        |    |    |    |    |    |    |    | ✓  |   |
| Great Crested Grebe       | <i>Podiceps cristatus</i>      |                        |    | ✓  |    |    |    |    |    |    |   |
| Greater Flamingo          | <i>Phoenicopterus roseus</i>   |                        |    |    |    | ✓  |    |    |    | ✓  |   |
| Eurasian Stone-curlew     | <i>Burhinus oedicnemus</i>     |                        |    |    |    |    |    |    |    | ✓  |   |
| Eurasian Oystercatcher    | <i>Haematopus ostralegus</i>   |                        |    |    |    |    |    |    |    | ✓  |   |
| Black-winged Stilt        | <i>Himantopus himantopus</i>   |                        |    |    |    | ✓  |    |    |    | ✓  |   |
| Pied Avocet               | <i>Recurvirostra avosetta</i>  |                        |    |    |    |    |    |    | ✓  |    |   |
| Grey Plover               | <i>Pluvialis squatarola</i>    |                        |    |    |    |    |    |    |    | ✓  |   |
| American Golden Plover    | <i>Pluvialis dominica</i>      |                        |    |    |    |    |    |    |    | ✓  |   |
| Common Ringed Plover      | <i>Charadrius hiaticula</i>    |                        |    |    |    |    |    |    | ✓  | ✓  |   |
| Little Ringed Plover      | <i>Charadrius dubius</i>       |                        |    | ✓  |    | ✓  |    |    |    | ✓  |   |
| Eurasian Whimbrel         | <i>Numenius phaeopus</i>       |                        |    |    |    |    |    |    | ✓  | ✓  |   |
| Eurasian Curlew           | <i>Numenius arquata</i>        |                        |    |    |    |    |    |    |    | ✓  |   |
| Bar-tailed Godwit         | <i>Limosa lapponica</i>        |                        |    |    |    |    |    |    |    | ✓  |   |
| Black-tailed Godwit       | <i>Limosa limosa</i>           |                        |    |    |    |    |    |    |    | ✓  |   |
| Common Snipe              | <i>Gallinago gallinago</i>     |                        |    | ✓  |    |    |    |    |    |    |   |
| Common Sandpiper          | <i>Actitis hypoleucos</i>      |                        |    | ✓  |    | ✓  | ✓  |    |    | ✓  |   |
| Green Sandpiper           | <i>Tringa ochropus</i>         |                        |    | ✓  |    | ✓  |    |    |    | ✓  |   |
| Wood Sandpiper            | <i>Tringa glareola</i>         |                        |    | ✓  |    |    |    |    |    | ✓  |   |
| Common Redshank           | <i>Tringa totanus</i>          |                        |    |    |    |    |    |    | ✓  | ✓  |   |
| Spotted Redshank          | <i>Tringa erythropus</i>       |                        |    |    |    |    |    |    |    | ✓  |   |
| Common Greenshank         | <i>Tringa nebularia</i>        |                        |    |    |    |    |    |    |    | ✓  |   |
| Ruddy Turnstone           | <i>Arenaria interpres</i>      |                        |    |    |    |    |    |    |    | ✓  |   |
| Red Knot                  | <i>Calidris canutus</i>        |                        |    |    |    |    |    |    |    | ✓  |   |
| Ruff                      | <i>Calidris pugnax</i>         |                        |    |    |    |    |    |    |    | ✓  |   |
| Curlew Sandpiper          | <i>Calidris ferruginea</i>     |                        |    |    |    |    |    |    | ✓  | ✓  |   |
| Sanderling                | <i>Calidris alba</i>           |                        |    |    |    |    |    |    | ✓  | ✓  |   |

| E=Endemic, N=Near-endemic          |                                       | September-October 2025 |    |    |    |    |    |    |    |    |   |
|------------------------------------|---------------------------------------|------------------------|----|----|----|----|----|----|----|----|---|
| Common name                        | Scientific name                       | 22                     | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 1 |
| Dunlin                             | <i>Calidris alpina</i>                |                        |    |    |    |    |    |    | ✓  | ✓  |   |
| Little Stint                       | <i>Calidris minuta</i>                |                        |    |    |    |    |    |    | ✓  |    |   |
| Caspian Tern                       | <i>Hydroprogne caspia</i>             |                        |    |    |    |    |    |    |    | ✓  |   |
| Black Tern                         | <i>Chlidonias niger</i>               |                        |    | ✓  |    |    |    |    |    | ✓  |   |
| Common Tern                        | <i>Sterna hirundo</i>                 |                        |    |    |    |    |    |    |    | ✓  |   |
| Sandwich Tern                      | <i>Thalasseus sandvicensis</i>        |                        |    |    |    |    |    |    | ✓  |    |   |
| Black-headed Gull                  | <i>Chroicocephalus ridibundus</i>     |                        |    | ✓  |    |    |    |    |    | ✓  |   |
| Audouin's Gull                     | <i>Ichthyaetus audouinii</i>          |                        |    |    |    |    |    |    | ✓  | ✓  |   |
| Yellow-legged Gull                 | <i>Larus michahellis</i>              |                        |    | ✓  |    | ✓  |    |    | ✓  | ✓  | ✓ |
| Great Black-backed Gull            | <i>Larus marinus</i>                  |                        |    |    |    |    |    |    | ✓  |    |   |
| Lesser Black-backed Gull           | <i>Larus fuscus</i>                   |                        |    |    |    |    |    |    | ✓  | ✓  | ✓ |
| Cory's Shearwater                  | <i>Calonectris borealis</i>           |                        |    |    |    |    |    |    |    | ✓  |   |
| Black Stork                        | <i>Ciconia nigra</i>                  |                        |    |    | ✓  |    |    |    |    |    |   |
| White Stork                        | <i>Ciconia ciconia</i>                | ✓                      | ✓  | ✓  | ✓  |    |    |    |    | ✓  |   |
| (North African)<br>Great Cormorant | <i>Phalacrocorax carbo maroccanus</i> |                        |    |    |    |    |    |    |    | ✓  |   |
| Northern Bald Ibis - E             | <i>Geronticus eremita</i>             |                        |    |    |    |    |    |    |    | ✓  |   |
| Glossy Ibis                        | <i>Plegadis falcinellus</i>           |                        |    |    |    |    |    |    |    | ✓  |   |
| Eurasian Spoonbill                 | <i>Platalea leucorodia</i>            |                        |    |    |    |    |    |    | ✓  | ✓  |   |
| Little Egret                       | <i>Egretta garzetta</i>               |                        |    | ✓  |    | ✓  | ✓  |    | ✓  | ✓  |   |
| Squacco Heron                      | <i>Ardeola ralloides</i>              |                        |    |    |    |    |    | ✓  |    |    |   |
| Great Egret                        | <i>Ardea alba</i>                     |                        |    |    |    |    |    |    |    | ✓  |   |
| Western Cattle Egret               | <i>Ardea ibis</i>                     |                        | ✓  | ✓  | ✓  |    | ✓  |    | ✓  |    |   |
| Grey Heron                         | <i>Ardea cinerea</i>                  |                        |    | ✓  |    | ✓  | ✓  | ✓  | ✓  | ✓  | ✓ |
| Osprey                             | <i>Pandion haliaetus</i>              |                        |    | ✓  |    |    |    |    |    | ✓  |   |
| European Honey Buzzard             | <i>Pernis apivorus</i>                |                        |    |    |    |    | ✓  |    |    |    |   |
| Short-toed Snake Eagle             | <i>Circaetus gallicus</i>             |                        |    |    | ✓  |    |    |    |    |    |   |
| Booted Eagle                       | <i>Hieraaetus pennatus</i>            |                        | ✓  | ✓  |    |    |    |    |    |    |   |
| Bonelli's Eagle                    | <i>Aquila fasciata</i>                |                        | ✓  |    |    |    |    |    |    | ✓  |   |
| Montagu's Harrier                  | <i>Circus pygargus</i>                |                        | ✓  |    |    |    |    |    |    |    |   |
| Western Marsh Harrier              | <i>Circus aeruginosus</i>             |                        | ✓  |    | ✓  | ✓  |    |    |    | ✓  |   |
| Long-legged Buzzard                | <i>Buteo rufinus</i>                  |                        | ✓  |    | ✓  | ✓  |    |    |    |    |   |
| Little Owl                         | <i>Athene noctua</i>                  |                        |    |    |    |    |    |    |    | ✓  |   |
| Pharaoh Eagle-Owl                  | <i>Bubo ascalaphus</i>                |                        |    |    | ✓  |    |    |    |    |    |   |
| Maghreb Owl                        | <i>Strix mauritanica</i>              |                        |    |    |    |    |    | H  |    |    |   |
| Eurasian Hoopoe                    | <i>Upupa epops</i>                    |                        | ✓  | ✓  |    |    | ✓  |    |    |    |   |
| Blue-cheeked Bee-eater             | <i>Merops persicus</i>                |                        |    | ✓  | ✓  | ✓  |    |    |    |    |   |
| Levaillant's Woodpecker - N        | <i>Picus vaillantii</i>               | ✓                      |    |    |    |    |    |    |    |    |   |
| Lesser Kestrel                     | <i>Falco naumanni</i>                 |                        |    |    |    |    | ✓  |    |    |    |   |
| Common Kestrel                     | <i>Falco tinnunculus</i>              | ✓                      | ✓  | ✓  | ✓  | ✓  |    | ✓  | ✓  | ✓  |   |
| Black-crowned Tchagra              | <i>Tchagra senegalus</i>              |                        |    |    |    |    |    |    |    | H  |   |
| (Desert) Great Grey Shrike         | <i>Lanius excubitor elegans</i>       |                        | ✓  |    | ✓  | ✓  | ✓  | ✓  |    |    |   |
| (Southern) Great Grey Shrike       | <i>Lanius excubitor algeriensis</i>   |                        |    |    |    |    |    |    | ✓  | ✓  |   |
| Woodchat Shrike                    | <i>Lanius senator</i>                 |                        |    |    |    |    |    |    |    | ✓  |   |
| Eurasian Jay                       | <i>Garrulus glandarius</i>            |                        | H  |    |    |    |    |    |    |    |   |
| Maghreb Magpie - N                 | <i>Pica mauritanica</i>               | ✓                      | ✓  |    |    |    |    |    | ✓  | ✓  | ✓ |
| Red-billed Chough                  | <i>Pyrrhocorax pyrrhocorax</i>        | ✓                      |    |    |    |    |    |    |    |    |   |
| Brown-necked Raven                 | <i>Corvus ruficollis</i>              |                        |    |    |    | ✓  | ✓  |    |    |    |   |
| (Atlas) Coal Tit                   | <i>Periparus ater atlas</i>           | ✓                      | ✓  |    |    |    |    |    |    |    |   |



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|-----------------------------|----------------------------------|------------------------|----|----|----|----|----|----|----|----|---|
|                             |                                  | 22                     | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 1 |
| <b>Common name</b>          | <b>Scientific name</b>           |                        |    |    |    |    |    |    |    |    |   |
| African Blue Tit - N        | <i>Cyanistes teneriffae</i>      | ✓                      | ✓  |    |    |    |    |    |    |    |   |
| Great Tit                   | <i>Parus major</i>               | ✓                      |    |    |    |    |    | ✓  |    |    |   |
| Greater Hoopoe-Lark         | <i>Alaemon alaudipes</i>         |                        |    |    |    | ✓  |    |    |    |    |   |
| Thick-billed Lark           | <i>Ramphocoris clotbey</i>       |                        |    |    | ✓  |    |    |    |    |    |   |
| Desert Lark                 | <i>Ammomanes deserti</i>         |                        | ✓  | ✓  | ✓  | ✓  | ✓  |    |    |    |   |
| Bar-tailed Lark             | <i>Ammomanes cinctura</i>        |                        |    |    |    | ✓  |    |    |    |    |   |
| Thekla's Lark               | <i>Galerida theklae</i>          |                        |    | ✓  | ✓  |    |    |    | ✓  | ✓  |   |
| Crested Lark                | <i>Galerida cristata</i>         |                        | ✓  | ✓  |    |    | ✓  | ✓  | ✓  | ✓  |   |
| Maghreb Lark - N            | <i>Galerida macrorhyncha</i>     |                        |    |    | ✓  |    | ✓  |    |    |    |   |
| Temminck's Lark             | <i>Eremophila bilopha</i>        |                        |    |    | ✓  |    |    |    |    |    |   |
| Greater Short-toed Lark     | <i>Calandrella brachydactyla</i> |                        |    |    | ✓  | ✓  |    |    |    |    |   |
| Common Bulbul               | <i>Pycnonotus barbatus</i>       | ✓                      | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓ |
| Brown-throated Martin       | <i>Riparia paludicola</i>        |                        |    |    |    |    |    |    | ✓  | ✓  |   |
| Sand Martin                 | <i>Riparia riparia</i>           |                        | ✓  | ✓  |    |    | ✓  |    | ✓  | ✓  |   |
| Eurasian Crag Martin        | <i>Ptyonoprogne rupestris</i>    |                        |    | ✓  |    |    |    |    |    |    |   |
| Barn Swallow                | <i>Hirundo rustica</i>           | ✓                      | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |   |
| Western House Martin        | <i>Delichon urbicum</i>          |                        |    |    |    | ✓  |    |    |    |    |   |
| European Red-rumped Swallow | <i>Cecropis rufula</i>           |                        |    | ✓  |    |    |    | ✓  | ✓  |    |   |
| Cetti's Warbler             | <i>Cettia cetti</i>              |                        |    | H  |    |    |    | H  |    | H  |   |
| Western Bonelli's Warbler   | <i>Phylloscopus bonelli</i>      |                        | ✓  |    |    |    |    |    |    |    |   |
| Willow Warbler              | <i>Phylloscopus trochilus</i>    | ✓                      |    |    |    |    |    | ✓  |    |    |   |
| Common Chiffchaff           | <i>Phylloscopus collybita</i>    | ✓                      | ✓  |    |    |    |    | ✓  |    |    |   |
| Iberian Chiffchaff          | <i>Phylloscopus ibericus</i>     |                        |    |    |    |    |    | ✓  | ✓  | ✓  |   |
| Common Reed Warbler         | <i>Acrocephalus scirpaceus</i>   |                        |    | ✓  |    | ✓  | H  | ✓  |    | H  |   |
| Western Olivaceous Warbler  | <i>Iduna opaca</i>               |                        |    |    |    |    |    |    |    | ✓  |   |
| Melodious Warbler           | <i>Hippolais polyglotta</i>      |                        | ✓  |    |    |    |    |    |    |    |   |
| Zitting Cisticola           | <i>Cisticola juncidis</i>        |                        |    | ✓  |    |    |    |    |    |    |   |
| Western Orphean Warbler     | <i>Curruca hortensis</i>         |                        |    |    |    |    | ✓  |    |    |    |   |
| African Desert Warbler      | <i>Curruca deserti</i>           |                        |    |    |    | ✓  |    |    |    |    |   |
| Sardinian Warbler           | <i>Curruca melanocephala</i>     |                        | H  |    |    |    | H  | ✓  | ✓  | ✓  |   |
| Western Subalpine Warbler   | <i>Curruca iberiae</i>           |                        | ✓  | ✓  |    | ✓  | ✓  | ✓  |    | ✓  |   |
| Moltoni's Warbler           | <i>Curruca subalpina</i>         |                        |    |    |    |    | ✓  |    |    |    |   |
| Common Whitethroat          | <i>Curruca communis</i>          |                        |    |    | ✓  |    |    |    |    |    |   |
| Spectacled Warbler          | <i>Curruca conspicillata</i>     |                        |    |    |    |    |    |    | ✓  | ✓  |   |
| Fulvous Babbler             | <i>Argya fulva</i>               |                        |    |    |    | ✓  | ✓  |    |    |    |   |
| Common Firecrest            | <i>Regulus ignicapilla</i>       | ✓                      |    |    |    |    |    |    |    |    |   |
| Short-toed Treecreeper      | <i>Certhia brachydactyla</i>     | ✓                      |    |    |    |    |    |    |    |    |   |
| Spotless Starling           | <i>Sturnus unicolor</i>          | ✓                      | ✓  |    |    |    |    | ✓  | ✓  | ✓  | ✓ |
| Common Blackbird            | <i>Turdus merula</i>             | ✓                      | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓ |
| Spotted Flycatcher          | <i>Muscicapa striata</i>         |                        | ✓  |    |    |    | ✓  | ✓  |    | ✓  |   |
| European Pied Flycatcher    | <i>Ficedula hypoleuca</i>        | ✓                      | ✓  |    |    |    | ✓  | ✓  |    | ✓  |   |
| Black Redstart              | <i>Phoenicurus ochruros</i>      | ✓                      |    |    |    |    |    |    |    |    |   |
| Common Redstart             | <i>Phoenicurus phoenicurus</i>   |                        |    |    |    |    |    | ✓  |    |    |   |
| Moussier's Redstart -E      | <i>Phoenicurus moussieri</i>     |                        |    |    |    |    |    | ✓  |    | ✓  |   |
| Blue Rock Thrush            | <i>Monticola solitarius</i>      |                        |    |    |    |    |    | ✓  |    |    |   |
| European Stonechat          | <i>Saxicola rubicola</i>         |                        |    |    |    |    | ✓  | ✓  |    | ✓  |   |
| Northern Wheatear           | <i>Oenanthe oenanthe</i>         |                        |    |    | ✓  |    |    |    |    |    |   |
| Atlas Wheatear              | <i>Oenanthe seebohmii</i>        | ✓                      |    |    |    |    |    |    |    |    |   |

| E=Endemic, N=Near-endemic    |                                    | September-October 2025 |    |    |    |    |    |    |    |    |   |
|------------------------------|------------------------------------|------------------------|----|----|----|----|----|----|----|----|---|
|                              |                                    | 22                     | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 1 |
| <b>Common name</b>           | <b>Scientific name</b>             |                        |    |    |    |    |    |    |    |    |   |
| Desert Wheatear              | <i>Oenanthe deserti</i>            |                        |    |    | ✓  | ✓  |    | ✓  |    |    |   |
| Western Black-eared Wheatear | <i>Oenanthe hispanica</i>          |                        |    |    |    | ✓  |    |    |    |    |   |
| Red-rumped Wheatear          | <i>Oenanthe moesta</i>             |                        |    | ✓  |    |    |    |    |    |    |   |
| Maghreb Wheatear - N         | <i>Oenanthe halophila</i>          |                        |    |    | ✓  |    |    |    |    |    |   |
| White-crowned Wheatear       | <i>Oenanthe leucopyga</i>          |                        | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |    |    |   |
| Black Wheatear               | <i>Oenanthe leucura</i>            | ✓                      |    | ✓  | ✓  |    | ✓  |    |    |    |   |
| Spanish Sparrow              | <i>Passer hispaniolensis</i>       |                        |    |    | ✓  |    | ✓  |    |    |    |   |
| House Sparrow                | <i>Passer domesticus</i>           | ✓                      | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓ |
| Desert Sparrow               | <i>Passer simplex</i>              |                        |    |    |    | ✓  |    |    |    |    |   |
| Western Yellow Wagtail       | <i>Motacilla flava</i>             |                        | ✓  | ✓  |    |    |    |    |    |    |   |
| Grey Wagtail                 | <i>Motacilla cinerea</i>           | ✓                      |    |    |    |    |    |    |    |    |   |
| White Wagtail                | <i>Motacilla alba</i>              | ✓                      |    |    |    |    |    | ✓  |    |    |   |
| Moroccan White Wagtail       | <i>Motacilla alba subpersonata</i> |                        |    |    |    |    |    |    | ✓  |    |   |
| Meadow Pipit                 | <i>Anthus pratensis</i>            |                        |    |    |    | ✓  |    |    |    |    |   |
| Tree Pipit                   | <i>Anthus trivialis</i>            |                        |    |    |    |    |    | H  |    |    |   |
| African Chaffinch            | <i>Fringilla spodiogenys</i>       | ✓                      | ✓  |    |    |    |    |    |    |    |   |
| Trumpeter Finch              | <i>Bucanetes githagineus</i>       |                        |    |    | ✓  |    |    |    |    |    |   |
| European Greenfinch          | <i>Chloris chloris</i>             |                        |    |    |    |    |    |    |    | H  |   |
| Common Linnet                | <i>Linaria cannabina</i>           | ✓                      |    |    |    |    |    |    |    | ✓  |   |
| European Goldfinch           | <i>Carduelis carduelis</i>         |                        |    |    |    |    |    | H  |    |    |   |
| Red Crossbill                | <i>Loxia curvirostra polioynga</i> |                        | ✓  |    |    |    |    |    |    |    |   |
| European Serin               | <i>Serinus serinus</i>             |                        | H  |    |    |    |    |    |    | ✓  |   |
| Cirl Bunting                 | <i>Emberiza cirlus</i>             |                        | H  |    |    |    |    |    |    |    |   |
| House Bunting                | <i>Emberiza sahari</i>             |                        | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓ |

## Mammals

|                         |                             | September-October 2025 |    |    |    |    |    |    |    |    |   |
|-------------------------|-----------------------------|------------------------|----|----|----|----|----|----|----|----|---|
|                         |                             | 22                     | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 1 |
| <b>Common name</b>      | <b>Scientific name</b>      |                        |    |    |    |    |    |    |    |    |   |
| Moroccan Jird           | <i>Meriones grandis</i>     |                        |    | ✓  |    |    |    |    |    |    |   |
| Fat Sand Rat            | <i>Psammomys obesus</i>     |                        |    |    | ✓  |    |    |    |    |    |   |
| Lesser Egyptian Gerbil  | <i>Gerbillus gerbillus</i>  |                        |    |    |    | ✓  |    |    |    |    |   |
| Barbary Ground Squirrel | <i>Atlantoxerus getulus</i> | ✓                      |    | ✓  |    |    |    |    |    | ✓  |   |
| Kuhl's Pipistrelle      | <i>Pipistrellus kuhlii</i>  |                        |    | ✓  |    |    |    |    |    |    |   |
| Red Fox                 | <i>Vulpes vulpes</i>        |                        |    |    |    |    |    |    |    | ✓  |   |

## Amphibians &amp; reptiles

|                                |                                      | September-October 2025 |    |    |    |    |    |    |    |    |   |
|--------------------------------|--------------------------------------|------------------------|----|----|----|----|----|----|----|----|---|
|                                |                                      | 22                     | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 1 |
| <b>Common name</b>             | <b>Scientific name</b>               |                        |    |    |    |    |    |    |    |    |   |
| North African Water Frog       | <i>Pelophylax saharicus</i>          | ✓                      |    |    |    | ✓  |    | ✓  |    |    |   |
| Atlas Day Gecko                | <i>Quedenfeldtia trachyblepharus</i> | ✓                      |    |    |    |    |    |    |    |    |   |
| Spotted Fringe-toed Lizard     | <i>Acanthodactylus maculatus</i>     |                        |    |    | ✓  |    |    |    |    |    |   |
| Margarita's Fringe-toed Lizard | <i>Acanthodactylus margaritae</i>    |                        |    |    |    |    |    |    | ✓  |    |   |
| Bosc's Fringe-toed Lizard      | <i>Acanthodactylus boskianus</i>     |                        |    | ✓  |    |    | ✓  |    |    |    |   |
| Dumeril's Fringe-toed Lizard   | <i>Acanthodactylus dumerilii</i>     |                        |    |    |    |    | ✓  |    |    |    |   |
| Small-spotted Lizard           | <i>Mesalina guttulata</i>            |                        | ✓  |    | ✓  |    | ✓  |    |    |    |   |
| Vaucher's Wall Lizard          | <i>Podarcis vaucheri</i>             | ✓                      | ✓  |    |    |    |    |    |    |    |   |
| Bibron's Agama                 | <i>Agama bibronii</i>                |                        |    |    |    |    |    | ✓  |    |    |   |

| Common name      | Scientific name         | September-October 2025 |    |    |    |    |    |    |    |    |   |
|------------------|-------------------------|------------------------|----|----|----|----|----|----|----|----|---|
|                  |                         | 22                     | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 1 |
| Böhme's Agama    | <i>Trapelus boehmei</i> |                        |    |    |    | ✓  |    |    |    |    |   |
| Spanish Terrapin | <i>Mauremys leprosa</i> |                        |    |    |    | ✓  | ✓  | ✓  |    | ✓  |   |

## Butterflies

| Common name              | Scientific name            | September-October 2025 |    |    |    |    |    |    |    |    |   |
|--------------------------|----------------------------|------------------------|----|----|----|----|----|----|----|----|---|
|                          |                            | 22                     | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 1 |
| Mediterranean Skipper    | <i>Gegenes nostrodamus</i> |                        |    | ✓  |    |    |    |    |    |    |   |
| Rosy Grizzled Skipper    | <i>Pyrgus onopordi</i>     |                        | ✓  |    |    |    |    |    |    |    |   |
| Clouded Yellow           | <i>Colias croceus</i>      | ✓                      | ✓  |    |    |    |    | ✓  |    | ✓  |   |
| North African Orange-tip | <i>Colotis evagore</i>     |                        |    |    |    |    |    |    |    |    |   |
| Western Bath White       | <i>Pontia daplidice</i>    | ✓                      | ✓  | ✓  |    |    |    |    |    |    |   |
| Small White              | <i>Pieris rapae</i>        |                        |    |    |    |    |    |    |    | ✓  |   |
| Lang's Short-tailed Blue | <i>Leptotes pirthous</i>   |                        |    | ✓  | ✓  |    |    |    |    | ✓  |   |
| Desert Babul Blue        | <i>Azanus ubaldus</i>      |                        |    |    |    |    | ✓  |    |    |    |   |
| Long-tailed Blue         | <i>Lampides boeticus</i>   |                        |    | ✓  | ✓  | ✓  |    |    | ✓  | ✓  |   |
| African Grass Blue       | <i>Zizeeria knysna</i>     |                        |    | ✓  | ✓  |    |    |    |    | ✓  |   |
| Southern Blue            | <i>Polyommatus celina</i>  |                        |    | ✓  |    |    |    | ✓  |    |    |   |
| Painted Lady             | <i>Vanessa cardui</i>      |                        |    |    |    | ✓  |    |    |    | ✓  |   |
| Red Admiral              | <i>Vanessa atalanta</i>    |                        |    |    |    | ✓  |    | ✓  |    | ✓  |   |

## Moths

| Common name           | Scientific name                 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 1 |
|-----------------------|---------------------------------|----|----|----|----|----|----|----|----|----|---|
| Hummingbird Hawk-moth | <i>Macroglossum stellatarum</i> |    |    |    |    |    |    | ✓  |    |    |   |
| Striped Hawk-moth     | <i>Hyles livornica</i>          |    |    |    | ✓  |    |    | ✓  |    |    |   |
| Vestal                | <i>Rhodometra sacraria</i>      |    |    |    |    |    |    | ✓  |    |    |   |
| Crimson Speckled      | <i>Utetheisa pulchella</i>      |    |    |    |    | ✓  |    | ✓  | ✓  | ✓  |   |

## Damselflies & dragonflies

| Common name                | Scientific name               | September-October 2025 |    |    |    |    |    |    |    |    |   |
|----------------------------|-------------------------------|------------------------|----|----|----|----|----|----|----|----|---|
|                            |                               | 22                     | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 1 |
| Saharan Bluetail           | <i>Ischnura saharensis</i>    |                        |    |    |    | ✓  |    |    |    |    |   |
| Blue Emperor               | <i>Anax imperator</i>         |                        |    |    |    |    |    | ✓  |    |    |   |
| Lesser Emperor             | <i>Anax parthenope</i>        |                        |    |    |    | ✓  |    | ✓  | ✓  | ✓  |   |
| Vagrant Emperor            | <i>Anax ephippiger</i>        |                        |    |    |    | ✓  |    |    |    |    |   |
| Epaulet Skimmer            | <i>Orthetrum chrysostigma</i> |                        |    |    |    | ✓  |    |    |    |    |   |
| Red-veined Darter          | <i>Sympetrum fonscolombii</i> |                        | ✓  | ✓  |    | ✓  | ✓  |    | ✓  | ✓  |   |
| Violet Dropwing            | <i>Trithemis annulata</i>     |                        |    |    |    | ✓  |    | ✓  |    |    |   |
| Orange-winged Dropwing     | <i>Trithemis kirbyi</i>       |                        | ✓  |    | ✓  | ✓  |    |    |    | ✓  |   |
| Northern Banded Groundling | <i>Brachythemis impartita</i> |                        |    | ✓  |    |    |    |    |    |    |   |

## Grasshoppers

| Common name     | Scientific name                | September-October 2025 |    |    |    |    |    |    |    |    |   |
|-----------------|--------------------------------|------------------------|----|----|----|----|----|----|----|----|---|
|                 |                                | 22                     | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 1 |
| Moroccan Locust | <i>Dociostaurus maroccanus</i> |                        |    |    |    |    | ✓  | ✓  |    |    |   |