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GECKOS

Northern velvet gecko

Oedura castelnaui

Oedura castelnaui is a flattened, nocturnal climber from open woodland and savanna in northern Queensland, especially on the Cape York Peninsula. It lives hidden by day and comes out when darkness falls. Care and breeding are largely based on experience with other species in the genus.

Família: Diplodactylidae Nome anterior: *Phyllodactylus castelnaui; Oedura mayeri*

DADOS PRINCIPAIS

O ANIMAL

Tamanho adulto	**15-20 cm** comprimento total com a cauda
Longevidade	**10-15 anos**
Ativo	**À noite**
Estilo de vida	**Arborícola e terrestre**
Habitat	**Savana**
Dificuldade	**Intermediário**

CUIDADOS

Terrário mín.	**45 × 45 × 60 cm** C × L × A para 1 adulto
Temperatura, dia	**24-28 °C**
Ponto quente	**30-32 °C**
Temperatura, noite	**20-24 °C**
Umidade	**40-70%**
UVB	**Opcional** Zona de Ferguson 1
Alimentação	**Insetos**
Mantido	**Sozinho ou em casal**

REPRODUÇÃO

Reprodução	**Ovíparo**
Tamanho da postura	**1-2 ovos**
Incubação	**60-75 dias** a 26-29 °C

PROTEÇÃO E DOCUMENTAÇÃO

CITES	**Não listado**
Anexo da UE	**Não listado**
IUCN	**Menos preocupante (LC)**

Sobre a espécie

Oedura castelnaui belongs to the genus *Oedura*, which consists of medium to large, flattened geckos with distinct markings. Most species in the genus live hidden on trees or rocks. They like to lie under loose bark or in crevices and come out only when darkness falls.

The species was described in 1889 by the Frenchman Alexandre Thominot as *Phyllodactylus castelnaui* and is named after the naturalist François Louis de la Porte, comte de Castelnau. For a time it was regarded as a synonym of *Oedura tryoni*, but today it stands as a separate species. In 2018 it emerged that *Oedura fracticolor*, described by De Vis in 1884 from Normanton on the Gulf of Carpentaria, is the same species. The older name has been formally suppressed, so *O. castelnaui* is retained. When the genus was cut down in 2012 and several species were moved to other genera, the species remained in *Oedura*.

The species grows to about 15-20 cm in total and can live 10-15 years. Both figures are estimates based on the genus, and the weight is not known.

Expect an animal that lies hidden most of the time and comes out only at night. It is an animal to watch, not to handle.

Distribuição e habitat

Oedura castelnaui occurs only in Australia, in northern Queensland. The main distribution is the Cape York Peninsula, but the adjoining Einasleigh Uplands and the Wet Tropics region are also included, and the old type specimen of *Oedura fracticolor* comes from Normanton on the Gulf of Carpentaria. The type locality of *O. castelnaui* is given simply as Australia.

There are also a few registered records further south in Queensland and in New South Wales. They are probably due to confusion with closely related *Oedura* species, so the map should be read with caution.

> **Área de ocorrência natural:** Austrália.

HABITAT

Oedura castelnaui lives in open woodland, savanna and grassland with tussock grass. It is arboreal and nocturnal, but is often also found on the ground among fallen branches and leaves.

Cape York has a tropical climate with a distinct wet summer and a dry winter. That is the climate the enclosure should be based on. Like other *Oedura* species, it probably hides under loose bark and in crevices by day and hunts insects at night.

Cuidados

O TERRÁRIO

A single adult *Oedura castelnaui* needs a tall enclosure of at least 45 × 45 × 60 cm (length × width × height). A pair needs somewhat more, for example 60 × 45 × 60 cm.

Furnish it with cork bark, flat cork tubes and slanting branches, so that the animal can creep in under something that presses lightly against its back and belly. This corresponds to the genus' natural behaviour. Preferably add a cork back wall with crevices that the gecko can hide in. Artificial plants or hardy live plants provide extra cover.

A mixture of unfertilised soil and sand, covered with dry leaves and pieces of bark, can be used as substrate, since the species also moves about on the ground. The enclosure should be dry at one end and have good ventilation. Lids and doors must fit tightly, because flat geckos like this one quickly find a gap.

TEMPERATURA

Keep the daytime temperature at 24-28 °C and let a small area reach 30-32 °C, for example under a low lamp or a heat mat on the side. At night the temperature may fall to 20-24 °C. The species is tropical and not used to getting cold, so avoid long periods below 20 °C. Special winter cooling is not known to be necessary for this species.

Use a thermostat for all heating, and measure with a digital thermometer at both the warm and the cool end. If the animal constantly lies at the warmest end, the enclosure is too cool. If it lies at the cool end all the time, it is too hot.

UMIDADE E ÁGUA

Keep the air at around 40-60 % with a brief rise to nearly 70 % after misting in the evening. Let the enclosure dry out during the day.

Always put a shallow bowl of fresh water in the enclosure, and change it every day. Mist a couple of times a week, so that the animal can also drink droplets from plants and bark. A constantly damp substrate causes mould and skin problems. A humid hide at the cool end helps the animal through shedding.

ILUMINAÇÃO E UVB

Oedura castelnaui is nocturnal, and UVB is not essential. A weak UVB light is nevertheless a reasonable choice, as long as there is also shade. Use a UVB tube for shade-dwellers (Ferguson zone 1), mounted over one side of the enclosure, so that the UV index is at most around 1 at the uppermost branches. Calcium with vitamin D3 in the food, on the other hand, is necessary whether or not there is UVB.

Keep the light on for 12 hours a day in summer and 10 hours in winter, ideally with a timer. Do not use coloured night lights. It should be dark at night.

Saiba mais: Luz e UVB Saiba mais: Cálcio, vitaminas e suplementos

ALIMENTAÇÃO

Oedura castelnaui lives on insects.

Give live feeder insects of a suitable size: crickets, dubia roaches, grasshoppers and now and then mealworms or waxworms. The insects should be smaller than the distance between the animal's eyes. Adults get 3-4 insects two to three times a week, while the young need small insects every other day.

Dust the insects with calcium. Use calcium with vitamin D3 at every second or third feeding and an all-round vitamin powder about once a week. Feed in the evening, when the animal is active, and remove any live crickets that are not eaten, so that they do not gnaw at the gecko.

COMPORTAMENTO E MANUSEIO

Like other *Oedura* species, *Oedura castelnaui* is probably calm, but secretive and quick, and it wriggles free fast if you grab it.

Do not pick it up more often than necessary. When you do, sit low, use both hands and let it run from hand to hand. Never grab the tail, because it can be dropped and does not grow back in the same form. New animals should be given a couple of weeks' peace to settle in.

As a rule, keep the animals singly. Males must not be kept together. A pair can be tried if the enclosure is large and has many hides, but watch for bites and lost tails, and separate the animals if there is unrest.

Reprodução

MATURIDADE SEXUAL E SEXAGEM

Age and size at sexual maturity are not known for *Oedura castelnaui*. As in its relatives, the males can probably be recognised by the hemipenal bulges at the base of the tail and by pores in front of the vent.

Breed only females that are fully grown and in good condition. Small and slight females are drained of calcium by egg-laying.

ACASALAMENTO

When in the year *Oedura castelnaui* mates, and whether a rest period matters, is not known.

Put the male in with the female and remove him again after mating. The male may bite the female on the neck, so keep an eye on them at the start.

POSTURA E NINHADAS

A clutch in *Oedura castelnaui* consists of two eggs with a parchment-like shell. The number of clutches a year and the interval between them are not known.

Offer the female a lay box with damp soil or sphagnum, for example a small plastic box with a hole in the lid. Otherwise she buries the eggs under a hide. Give her plenty of calcium and insects throughout the season, and keep an eye on her weight, so that she does not lose too much.

INCUBAÇÃO

The eggs of *Oedura castelnaui* hatch after 60-75 days. Whether temperature determines sex is not known.

Move the eggs carefully to a small box of moist vermiculite or perlite without turning them. Bed them half-way into the substrate and mark the top with a pencil. Keep the temperature at 26-29 °C; at the low end incubation takes longest. Air the box once a week. Eggs that collapse and turn mouldy are infertile or dead.

CRIAÇÃO DOS FILHOTES

The young of *Oedura castelnaui* are small and secretive and can be housed individually in small plastic boxes with damp kitchen roll, a hide and a water bowl.

After the first shed, give them very small crickets or dubia nymphs, dusted with calcium with D3, every other day. Weigh them regularly, keep them apart from the adults, and move them to a larger enclosure when they are about half grown. How fast they grow is not known.

Saúde e erros comuns

The typical problems in *Oedura castelnaui* and other nocturnal, insectivorous geckos are:

- Too little calcium and vitamin D3, which causes soft bones, bent limbs and tremors. Dust the insects, and give breeding females an extra supplement.

- Temperatures that are too low or too high. Measure the temperature at both ends of the enclosure.
- A constantly damp substrate, which causes mould and skin problems, and air that is too dry, which causes shedding problems. Remnants of skin on toes and tail tip must be loosened carefully with lukewarm water.
- Dropped tails after handling or fighting. It is not dangerous, but the tail does not grow back in the same form.
- Intestinal worms and other parasites. Have a faecal sample examined if the animal loses weight.

A healthy animal has clear eyes, a plump tail and a good grip. See a vet experienced with reptiles if the gecko loses weight, does not eat for several weeks or looks limp.

Pergunte sempre a quem entende do assunto

Este guia é um bom lugar para começar, mas não substitui a experiência. Os animais diferem, e boa parte do que mais importa se aprende com quem cria a espécie há anos. Converse com um criador, um tutor experiente ou um veterinário que conheça répteis e anfíbios antes de ter o animal - e de novo se algo parecer errado.