herpy

GEKKO'S

## Giant bent-toed gecko

# *Cyrtodactylus irianjayaensis*

*Cyrtodactylus irianjayaensis* is a large, powerful and nocturnal ground gecko from the rainforest of western New Guinea, with sharply marked bands and long, sharp claws. The species is rare in captivity, requires high humidity and cool warmth, and suits a keeper who has kept geckos before.

Familie: Gekkonidae

**KERNGEGEVENS**

### HET DIER

| | |
|---|---|
| Volwassen grootte | **30-35 cm**<br>totale lengte incl. staart |
| Levensduur | **10-15 jaar** |
| Actief | **'s nachts** |
| Levenswijze | **Bodembewonend** |
| Leefgebied | **Regenwoud** |
| Moeilijkheidsgraad | **Gevorderd** |

### VERZORGING

| | |
|---|---|
| Min. terrarium | **90 × 45 × 60 cm**<br>L × B × H voor 1 volwassen dier |
| Temperatuur overdag | **22-26 °C** |
| Temperatuur 's nachts | **21-23 °C** |
| Luchtvochtigheid | **70-100%** |
| Water | **Waterbak** |
| UVB | **Optioneel** |
| Voeding | **Insecten en gewervelde dieren** |
| Gehouden | **Solitair of in paren** |

### KWEEK

| | |
|---|---|
| Voortplanting | **Eierleggend** |
| Legselgrootte | **1-2 eieren** |
| Incubatie | **100-130 dagen**<br>bij 24-27 °C |

### BESCHERMING EN PAPIEREN

| | |
|---|---|
| CITES | **Niet opgenomen** |
| EU-bijlage | **Niet opgenomen** |
| IUCN | **Onvoldoende gegevens (DD)** |

## Over de soort

*Cyrtodactylus irianjayaensis* is a large and heavily built gecko in the genus *Cyrtodactylus*. Adults grow to more than 30 cm including the tail, and the 30-35 cm in the fact box is an estimate. The body is covered in small tubercles, and the pattern consists of dark crossbands on a paler ground. The edges of the bands are serrated, and this is the most widely used feature for distinguishing the species from *C. louisiadensis*, with which it was long confused. The toes are long and bend slightly at the joint, and all the feet have large, sharp claws.

The species was described in 2001 by Herbert Rösler from animals from the western part of New Guinea. The scientific species name refers to the type locality, the former Indonesian province of Irian Jaya. Before that, the animals were sold as a New Guinean form of *C. louisiadensis*. A later review of the genus's species in New Guinea has separated the two.

The gecko is a predator that eats large prey, and it has a reputation for being delicate. That is not the case if the requirements for humidity and temperature are met. It is not an animal for handling. It stresses easily and can deliver a solid bite with claws and jaws. On the other hand, it is fascinating to watch in the evening, when it comes out and hunts. Lifespan is not documented, and the 10-15 years in the fact box is an estimate based on other large geckos.

## Verspreiding en leefgebied

*Cyrtodactylus irianjayaensis* is found in the western part of New Guinea in Indonesia, in the area around the Bird's Head (Doberai Peninsula) with the island of Salawati and the Sorong region. Records have also been made further south, at Kaimana and Fakfak, but they are not confirmed in the scientific literature.

Reports that the species also occurs in Papua New Guinea are unclear. The genus's species in New Guinea have been split up, and earlier records probably cover several species. The species is known with certainty only from the type locality, but it is probably far less well surveyed than that suggests.

> **Natuurlijk verspreidingsgebied:** Indonesië.

### LEEFGEBIED

The species lives in humid tropical forest, where it stays on the ground and on the lowest branches, trunks and rock pieces. It is partly ground-dwelling and climbs only low. By day it hides in hollows, under bark and under fallen trunks, and at night it goes hunting.

It comes from a cool tropical environment where it is never dry. The air is saturated with moisture, and the animals may lie soaking in water at intervals. There are only a few measurements from the habitat. The temperatures recommended in the enclosure are therefore based on experience from captivity and not on measurements in the wild.

## Verzorging

### HET TERRARIUM

An adult needs an enclosure of at least 90 × 45 × 60 cm (length × width × height). The species is large and powerful, and it uses both the floor and low branches, so floor area matters more than height. A pair needs more space, especially more floor area.

Furnish with thick branches, cork bark and cork tubes at different heights. There must always be at least one close-fitting hide, because the animal only feels safe when it can crawl in. Plants, leaf litter and areas of live sphagnum hold the humidity and provide cover. The substrate is a thick, moist mix of coconut fibre and peat, preferably with a layer of sphagnum on top. Wild-caught animals may carry parasites, so keep new animals separate and have them checked.

### TEMPERATUUR

*Cyrtodactylus irianjayaensis* comes from cool tropical areas and is not an animal that sits in the heat. By day the temperature should be 22-26 °C, and at night it may fall to 21-23 °C. Keep the whole enclosure between 21 and 27 °C. At room temperature within those limits the species thrives and breeds.

There should be no hot spot as with desert species. Do not use a basking spot or heat lamp, and place the enclosure in a cool spot without direct sun. If the temperature rises to around 30 °C, the air dries out and the animal becomes stressed. A digital thermometer at the bottom and one higher up show whether the temperature holds.

### LUCHTVOCHTIGHEID EN WATER

The species requires high humidity, 70-100 %. Mist the enclosure thoroughly at least twice a day, so that the substrate and leaves are wet, and keep the substrate constantly moist without standing in water. Good ventilation openings are necessary, so that the air does not become stagnant and mouldy.

The gecko regularly uses water to lie in. Provide a dish of fresh water large enough for the whole animal to sit in, and change the water often.

### VERLICHTING EN UVB

The species is nocturnal and does not require strong light. Ordinary, weak lighting for 12 hours a day is plenty, and a weak moonlight can be used to follow the animal at night. UVB is not documented as necessary for the species. A weak UVB light for shade-dwelling species can be an extra safeguard if there is shade and cover throughout the enclosure.

Do not use strong spotlights. They heat and dry out the enclosure, and the species avoids strong light.

Lees meer: Licht en UVB

### VOEDING

*C. irianjayaensis* is a greedy hunter and eats large prey. The staple diet is insects such as roaches, large crickets and grasshoppers. Occasionally a newborn mouse can be given for variety. The insects must not be larger than the width of the animal's head.

Dust the insects with calcium at every second feeding and at every feeding when the female is laying eggs. In addition, give a vitamin supplement with D3 now and then. Feed adults 2-3 times a week in the evening, and choose smaller prey for juveniles, which are fed more often.

Lees meer: Calcium, vitaminen en supplementen

### GEDRAG EN OMGANG

The species is calm but stresses easily and should not be handled. It has long, sharp claws and can bite very hard. Work slowly in the enclosure, and keep your distance from the animal's hide so it is not frightened. The animals are active at night and hide by day.

Most are kept singly or as pairs. Whether several females can be kept together is not documented, and two males should not be kept together. As with other species of the genus, it is wise to have a spare enclosure for separating the animals if unrest arises.

## Kweek

### GESLACHTSRIJPHEID EN GESLACHTSONDERSCHEID

The sex can be determined by the male's hemipenal bulges at the base of the tail and by the preanal pores in front of the vent. Age or weight at sexual maturity is not documented for the species. As a rule of thumb for large geckos, both males and females should be fully grown before they are put together. Females bred too early lose calcium and can suffer lasting damage.

### PARING

Only little information exists about mating. The species breeds at room temperature all year round. A special winter rest is not documented. Introduce the male to the female in her enclosure, and watch the mating. Separate the animals if the female is chased or bitten.

### EILEG EN LEGSELS

The gecko lays eggs. Number and interval are not documented for the species, but as in most species of the genus, the female probably lays one or two eggs at a time and only a couple of times a year. The eggs are probably buried in the substrate, for example at the foot of a plant, so give the female a deep, damp egg-laying site. Some of the eggs may be infertile.

### INCUBATIE

The eggs are moved to a box with damp vermiculite, where the mixture is damp but not wet, and they should not be turned. Incubation temperature and duration are not documented for the species. The 24-27 °C and 100-130 days in the fact box are estimates, and hatching may take longer. Keep the temperature even, and avoid temperatures above 28 °C.

### OPFOK VAN DE JONGEN

There is only little experience with rearing the hatchlings. Use a small box with damp substrate, hides and shallow water, and keep the temperature at about 22-24 °C. Give small insects such as springtails and small crickets with calcium as soon as the hatchlings have begun to eat. Separate the hatchlings early if biting occurs or any fall behind.

## Gezondheid en veelgemaakte fouten

*Cyrtodactylus irianjayaensis* is not documented for specific diseases. The most likely problems are due to the wrong environment and are known from related geckos:

- Heat above 27 °C or air that is too dry, which causes stress and poor appetite.
- Mould and skin problems in a substrate that is constantly wet and poorly ventilated.
- Parasites in wild-caught animals. Have a faecal sample examined by a vet experienced with reptiles.
- Calcium deficiency if the food is not supplemented with calcium, especially in females that lay eggs.
- Bites and stress if the animal is handled or has too few hides.

See a vet if the gecko loses weight, does not eat for several weeks or seems limp.

## Vraag altijd raad aan iemand die er verstand van heeft

Deze gids is een goed beginpunt, maar kan ervaring niet vervangen. Dieren verschillen, en veel van wat er echt toe doet, leer je van mensen die de soort al jaren houden. Praat met een kweker, een ervaren houder of een dierenarts die reptielen en amfibieën kent voordat je het dier haalt - en opnieuw als er iets niet pluis lijkt.

De volledige gids met kaart en updates: herpy.org/en/geckos/cyrtodactylus-irianjayaensis