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Trinidad Chevron Tarantula (*Psalmopoeus cambridgei*)

A Uniquely Marked Ornamental

The Trinidad chevron tarantula is a large, arboreal (or tree dwelling) tarantula of the new world. This is a large, arboreal, slender bodied species with a olive, olive-brown, or olive tan ground color, and darker chevron markings on the abdomen, legs, and carapace. The Trinidad chevron tarantulas is a highly arboreal, or tree dwelling species that tends to be nocturnal to crepuscular, and unlike many other tarantulas, will often act as ambush predators of insects, other invertebrates, and even small mammals or birds.

Taxonomy

Life: All living, physical, and animate entities

Domain: Eukaryota

Kingdom: Animalia

Phylum: Arthropoda

Subphylum: Chelicerata

Class: Arachnida

Order: Araneae

Infraorder: Mygalomorphae

Family: Theraphosidae

Genus: Psalmopoeus

Species: *Psalmopoeus cambridgei**

**Taxonomy subject to change and revision.*

Lifespan and Longevity

Males of many tarantula species will often attain life spans of only 5 to 6 years. Females attain considerably longer life spans of 15 to 20 years or more in captivity.

Distribution and Habitat

Trinidad chevrons are a new world species found in maritime tropical forests and other environments of Trinidad in the Caribbean and South America.

Conservation Status

Not Evaluated for the IUCN Red List (NE) or otherwise Data Deficient (DD).

Experience Level Required

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Intermediate/Moderate.

Size

Trinidad chevron tarantulas are medium-sized to large tarantulas reaching a total legspan of about 5 ½ to 7 inches on average.

Housing and Enclosure

Provide a sturdy, secure, and escape proof terrarium or enclosure 5 to 20 gallons tall in size with a secure top for a single adult spider. Several of the acrylic displays and enclosures that are now manufactured for housing arachnids, insects, and other invertebrates can also be used.

Spiderlings can be housed in an appropriately sized spiderling vial, plastic container or deli cup with adequate holes for ventilation. Acceptable substrate to use can include pesticide free potting soil, coconut fiber, vermiculite, or similar substrates 1 to 3 inches in depth. Decorations and/or other cage furnishings can also be included as well, although height is more important than floor space. This is an arboreal genus that benefits from branches, vertical cork bark, and plants for refuge. A fairly small, shallow water dish can also be provided, and should be cleaned regularly as well as regular misting for hydration.

Temperature, Lighting, and Humidity

Most species of tarantulas have simple and undemanding heating and lighting requirements in captivity, and do not require additional UVA/UVB lighting, although providing it can be greatly beneficial for your tarantula's health, immune system, and overall wellness. Trinidad chevron tarantulas are a species that do best at room temperature between 78 to 82 degrees. For any supplemental heating that may be needed, use a low wattage incandescent or UVA/UVB bulb, radiant or ceramic heat emitter, or UTH (under tank heating element). More specific lighting, heating, and humidity product suggestions and recommendations that can best suit one's needs, as well as those of one's animals can be given as well. Weekly and monthly regular misting will also help maintain humidity. Maintain at 70 to 80% humidity but the enclosure must have adequate ventilation and substrate be kept dry.

Feeding, Diet, and Nutrition

Insectivorous to Carnivorous; In the wild, Trinidad chevron tarantulas are primarily insectivorous, meaning they eat insects and other invertebrates. They will also occasionally eat smaller vertebrates as well if they can catch and subdue them. In captivity, these tarantulas can be fed a variety of appropriately sized feeder insects such as crickets, roaches, mealworms, superworms, and waxworms. Larger prey items, such as feeder anoles, house geckos, or pre-killed rodents can also be taken. Feeder insects should be gut-loaded in order to increase their optimal nutritional value. This will promote optimal exoskeleton growth and development. Any uneaten food items should be cleaned and removed after a day or two. Their feeding frequency will depend on the age, size, and overall health of your animal. Use care as to not overfeed even invertebrates, as obesity and other health related issues can still become an issue with them. More specific dietary and supplementary product suggestions and recommendations that can best suit one's needs, as well as those of one's animals can be given as well.

Handling

The Trinidad chevron is a fast moving and flighty species that may assume a defensive posture if disturbed sufficiently. The Trinidad chevron is also often said to be a suitable intermittent arboreal species for keeping faster and more potent arboreal species later but is still at least an intermediate species. This is a species better suited as a display spider overall, however. In

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general, tarantulas are fragile animals, and accidentally dropping a spider can result in the rupture of its internal organs and/or exoskeleton, causing death to your tarantula. Although most tarantulas are not medically significant, with most being lesser than or just about equal to a bee sting, medical attention should still be sought from any apparent allergic reaction to a bite, or extreme irritation from urticating hairs from a pet tarantula.

****Also be sure to practice basic cleanliness and hygiene associated with proper husbandry after touching or handling any animals or animal enclosures to prevent the possibility of contracting salmonellosis or any other zoonotic pathogens****

Contact

Authored by Eric Roscoe. For any additional questions, comments, and/or concerns regarding this animal, group of animals, or this care sheet, please email and contact the Madison Area Herpetological Society at info@madisonherps.org

Disclaimer: Note that the information provided in these, or any care sheets, are not intended to be all-exhaustive, and further research and care should always be sought and provided when it comes to any species one may prospectively be interested in. These care sheets are also not intended to serve as substitutes for professional veterinary medical care and husbandry should any animal require it. Always seek proper and professional veterinary care for any animal should the need arise, and be prepared ahead of time for any and all husbandry costs and expenses that may occur with any animal beyond the initial purchase. Any animal owned is ultimately a matter of personal/individual care and responsibility.

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