

*Cremaستosperma* is a somewhat inconspicuous genus of Neotropical Annonaceae. They are small understory trees with typical Annonaceae floral morphology (sepals and petals in whorls of three; indefinite numbers of spirally arranged stamens and carpels) and apocarpous, single-seeded, stipitate fruits. The species are found in lowland to premontane wet forest, mostly either to the west of the Andean mountain chain in north-western South America and southern Central America; or to the east of the Andes extending from Colombia through eastern Ecuador and Peru as far south as Bolivia. Two are found in coastal Venezuela; and one in French Guiana.

This monograph represents a fully updated taxonomic revision of the genus. The authors recognise 34 species, describing five as new: from east of the Andes, *C. brachypodum* Pirie & Chatrou, sp. nov. and *C. dolichopodum* Pirie & Maas, sp. nov., endemic to Peru; *C. confusum* Pirie, sp. nov., from southern Peru and adjacent Bolivia and Brazil; and *C. alticola* Pirie & Chatrou, sp. nov., at higher elevations in northern Peru and Ecuador; and from west of the Andes, *C. osicola* Pirie & Chatrou, sp. nov. endemic to Costa Rica, the most northerly distributed species of the genus. The treatment includes comprehensive identification keys, discussion of diagnostic characters, and documentation of distributions, with illustrations for all species and extensive lists of specimens.

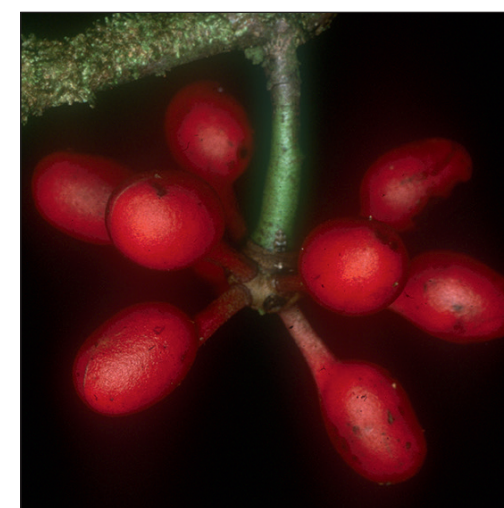
Of the 34 species of *Cremaستosperma* now recognised, 22 are regional endemics. To aid conservation efforts, each species has been designated a preliminary IUCN threat category based on their extent of occurrence and area of occupancy. Fourteen species proved to be endangered (EN), and a further one critically endangered (CR), reflecting their rarity and narrow known distributions.



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## A TAXONOMIC REVISION OF THE NEOTROPICAL GENUS *CREMASTOSPERMA* (ANNONACEAE), INCLUDING FIVE NEW SPECIES

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*Cremaستosperma brevipes* (DC.) R.E.Fr., 1939

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