

Validating the botanical diagnosis and description of × *Butyagrus gauderio*

Validando a diagnose e descrição botânica de × Butyagrus gauderio

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ABSTRACT

The description and diagnosis of × *Butyagrus gauderio* are validated according to the standards established in the International Code for algae, fungi and plants.

Keywords: *Butia*, hybrid, *Syagrus*, systematic, validation.

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RESUMO

A descrição e a diagnose de × *Butyagrus gauderio* são validadas, conforme as normas estabelecidas no Código Internacional para algas, fungos e plantas.

Palavras-chave: *Butia*, híbrido, sistemática, *Syagrus*, validação.

INTRODUCTION

× *Butyagrus gauderio* was recently described by Azambuja *et al.* (2026) as a natural hybrid between the palms *Butia witeckii* and *Syagrus romanzoffiana*. However, the authors did not valid the description due to the absence of an English or Latin diagnosis of the taxon, according to the standards established in the International Code of Nomenclature for algae, fungi, and plants, indicated in chapter V, section 2. Therefore, validation of this publication is necessary, according to article 39.2 and recommendation 39A (McNEILL *et al.*, 2012; TURLAND *et al.*, 2025).

TAXONOMY

× *Butyagrus gauderio* Azambuja, M.B., Deble, L.P. & Schünemann, A.L. nothosp. nov.

Validating the diagnosis and description presented in Acta Biológica Catarinense 13(1): 38. 2026.

DIAGNOSIS

A solitary palm, a hybrid between the parent species *B. witeckii* and *S. romanzoffiana*, which can be distinguished from other nothospecies of *Butyagrus* by its leaves with a rachis up to 246 cm long, with pinnae arranged at subtly variable angles and irregularly inserted on the rachis, by the peduncular bract measuring 131-160 × 9-13.5 cm, with longitudinal grooves, by the fruits measuring up to 4 cm in length and endocarps 2.1-3 cm long, pyramidal and with three prominent longitudinal grooves.

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DESCRIPTION

Solitary palm tree, 7 to 8 m tall, trunk 4.5 m tall, with 141 cm in circumference, smooth at the base but with scars from the leaf sheaths, which remain semi-persistent, evenly distributed from the middle of the trunk to the leaf crown; pinnate leaves with 111-113 pinnae on each side of the rachis, with pinnae in the median portion measuring 83-85 × 2.5-3 cm, with the arrangement of the pinnae on the rachis slightly arched and irregularly inserted along the rachis, dark green in color, semi-rigid consistency of the pinnae, flexible fibers, brown in color; rachis up to 246 cm long, green; interfoliar inflorescences; peduncular bract woody striated-sulcate on the outer surface, 131-160 × 9-13.5 cm, green when young, brown after drying; inflorescence axis 90 cm long; rachis of the middle portion measuring 35-50 cm; staminate flowers yellow 8-10 mm long; pistillate flowers not seen; endocarp 2.1-3 cm long, bony, pyramidal and with three prominent longitudinal grooves; fruits yellow when ripe, measuring up to 4 cm long.

TYPE

BRAZIL. Rio Grande do Sul: Quevedos. 24-II-2025. M.B. Azambuja, L.P. Deble & A.L. Schünemann (Holotype – Herbário Bruno Edgar Irgang (HBEI-1631 – Holótipo) of Universidade Federal do Pampa, *campus* São Gabriel, RS; Isotypes – Herbário PALM – Herbário of Universidade Federal de Santa Maria, *campus* Palmeira das Missões, RS; HBEI-1632). The isotype was cataloged at the Bruno Edgar Irgang Herbarium (HBEI) and subsequently sent to the Palm Herbarium (UFSM). The exsiccata has not yet been cataloged at the sending herbarium, and we have not received the catalog number. For this reason, it retains the catalog number from HBEI.

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