



Article

Two new species of *Cypella* (Iridaceae: Tigridieae) from Rio Grande do Sul, Brazil

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Abstract

Cypella luteogibbosa and *C. magnicristata* are described, illustrated and have their taxonomic affinities discussed. The former is related with *C. fucata*, but differs by white flowers (*vs.* pallide orange) and divergent adaxial crests of style apices (*vs.* convergent). From *Cypella osteniana* the new species differs by 1-flowered spathes (*vs.* 2-flowered), spatulate outer tepals, 10–12 mm wide (*vs.* obovate, 15–17 mm wide), inner tepals with a yellow hump abaxially, and keel-shaped distally (*vs.* without a hump, and folded distally), and anthers with narrowed connective (0.6–0.9 mm *vs.* 1.4–1.8 mm). *Cypella magnicristata* is related with *C. armosa*, but differs mostly by obovate outer tepals, 38–44 × 22–25 mm (*vs.* spatulate, 36–40 × 12–16 mm), larger inner tepals (22–24 × 15–16 mm *vs.* 14–18 × 10–12 mm), and longer filiform filaments (5.5–6.4 mm *vs.* 3–3.5 mm). From *C. exilis* the new species differs mostly by diameter of flowers (60–70 mm *vs.* 38–48 mm), bigger size of outer tepals (38–44 × 22–25 *vs.* 32–36 × 12–16 mm), larger inner tepals (22–24 × 15–16 *vs.* 12–15 × 8–9 mm), and length of crests of style apices (6–7 mm *vs.* 4–5 mm).

Resumo

Cypella luteogibbosa e *C. magnicristata* são descritas, ilustradas e têm suas afinidades taxonômicas comentadas. A primeira é relacionada com *C. fucata*, mas se separa pelas flores brancas (*vs.* pálido alaranjadas) e cristas adaxiais do ápice do estilete divergentes (*vs.* convergentes). De *Cypella osteniana* a nova espécie difere pelas espátulas com uma flor (*vs.* duas flores), pelas tépalas externas espatuladas, com 10–12 mm de largura (*vs.* obovadas, com 15–17 mm de largura), pelas tépalas internas providas de corcunda de cor amarela na face abaxial, e formato de quilha na parte distal (*vs.* desprovidas de corcunda, e dobradas na parte distal), e pelas anteras com conectivo estreito (0.6–0.9 mm *vs.* 1.4–1.8 mm). *Cypella magnicristata* é relacionada com *C. armosa*, mas difere principalmente pela forma obovada das pétalas externas, que medem 38–44 × 22–25 mm (*vs.* espatuladas, de 36–40 × 12–16 mm), pelas tépalas internas maiores (22–24 × 15–16 mm *vs.* 14–18 × 10–12 mm), e pelos filamentos mais longos e filiformes (5.5–6.4 mm *vs.* 3–3.5 mm). De *C. exilis*, a nova espécie difere principalmente pelo diâmetro das flores (60–70 mm *vs.* 38–48 mm), pelo maior tamanho das tépalas externas (38–44 × 22–25 *vs.* 32–36 × 12–16 mm), dimensão das tépalas internas (22–24 × 15–16 *vs.* 12–15 × 8–9 mm), e pelo comprimento das cristas adaxiais do ápice do estilete (6–7 mm *vs.* 4–5 mm).

Key words: Biodiversity, Brazilian flora, section *Cypella*, Pampa Biome, Taxonomy

Introduction

Cypella Herbert (1826: t. 2637) is a genus of bulbous plants with pleated leaves, which comprises about 25 species known from Argentina, Bolivia, Brazil, Uruguay, Paraguay and Peru (Goldblatt & Manning 2008,