

# *Platycyamus Benth.*

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This treatment is composed of the following taxa: *Platycyamus*, *Platycyamus regnellii*, *Platycyamus ulei*.

## HOW TO CITE

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## DESCRIPTION

Tree, ca. 5 to 35 m tall. Stipules caducous or persistent. Leaves pinnately 3-foliolate or imparipinnate, when imparipinnate leaflets in 4–5 pairs per leaf, plus a terminal leaflet; petiole 3–9 cm long; stipels rarely persistent; rachis ca. 3 cm long (3-foliolate leaves) or 14–21 cm long (imparipinnate leaves); petiolules 5–8 mm long; leaflets glabrescent or glabrous adaxially, lateral leaflets ovate or elliptic, 7–15 × 5–10 cm; apical leaflet obovate to broadly elliptic, 7–25 × 5–19 cm. Inflorescence a panicle (or a reduced panicle). Flowers 1.5–2.5 cm long; calyx ca. 1–1.3 cm long, 5-lobed; corolla part purple/part white, white-pinkish lilac, lilac or lilac-pink. Androecium diadelphous, 9+1; stamen filaments ca. 1.5–2.5 cm long, glabrous; anthers oblong, basefixed or dorsifixed. Style 5–12 mm long, ovary ca. 5–10 × 1–2 mm, pubescent or sericeous. Fruit laterally compressed, chartaceous to coriaceous, indehiscent, oblong, base obtuse, apex acute to acuminate, 9–21 × ca. 2–4.5 cm. Seeds brown or black, reniform, 1.5–2.5 × ca. 1 cm; hilum ca. 2–3 mm long.

## Life Form

Tree

## Substrate

Terrestrial

## DISTRIBUTION

Native, Not endemic to Brazil

## Phytogeographic Domains

Amazon Rainforest, Central Brazilian Savanna, Atlantic Rainforest

## Vegetation Types

Riverine Forest and/or Gallery Forest, Terra Firme Forest, Seasonally Semideciduous Forest, Ombrophyllous Forest (Tropical Rain Forest)

## Geographic Distribution

### Confirmed occurrences

North (Acre)

Northeast (Bahia)

Central-west (Distrito Federal, Goiás)

Southeast (Espírito Santo, Minas Gerais, Rio de Janeiro, São Paulo)

South (Paraná)

## IDENTIFICATION KEY

1. Leaves pinnately trifoliolate, inflorescence paniculate, the component racemes not reduced (2 – 12 cm long), endemic to Brazil (Bahia, Distrito Federal, Espírito Santo, Goiás, Minas Gerais, Paraná (cultivated), Rio de Janeiro, and São Paulo States — not occurring in the North Region of Brazil). . . . . *P. regnellii*
2. Leaves imparipinnate with 4 – 5 pairs of leaflets, inflorescence a reduced panicle (the component racemes reduced, c. 1 cm long, giving the whole inflorescence the appearance of a compound raceme), in the Amazonian rainforest of Brazil (Acre state — North region), Peru and Bolivia. . . . . *P. ulei*

## REFERENCE

- Bentham, G. (1862). *Platycyamus*. In: C. F. P. Martius (ed.), *Flora Brasiliensis*, vol. 15(1): 323. Lipsiae apud Frid. Fleischer in Comm.
- Moura, T.M.; Lewis, G.P. & Tozzi, A.M.G.A. (2016). A revision of the South American genus *Platycyamus* Benth. (Leguminosae). *Kew Bulletin* 71: DOI 10.1007/S12225-016-9617-X

# *Platycyamus regnellii* Benth.

This treatment is composed of the following taxa: *Platycyamus regnellii*, .

## Has as synonym

heterotypic *Platycyamus regnellii* var. *glabrescens* Micheli

## DESCRIPTION

**Stem:** type erect. **Leaf:** stipule persistent; leaf pinnate; leaflet trifoliolate; stipel rarely persistent; foliar rachis 3 long (cm). **Inflorescence:** type panicle. **Flower:** flower size 1.5 to 2.5 long (cm); calyx 1.3 long (cm); corolla colour part purple part white or lilac; standard 2 per 1.4 cm; wing 2 per 0.4 cm; keel 2 long (cm); androecium diadelphous; filament 2.5 long (cm); style 1.2 long (cm); ovary dense sericeous. **Fruit:** dehiscence indehiscent. **Seed:** shape reniform; seed colour black.

## Life Form

Tree

## Substrate

Terrestrial

## DISTRIBUTION

Native, Is endemic from Brazil

## Phytogeographic Domains

Central Brazilian Savanna, Atlantic Rainforest

## Vegetation Types

Riverine Forest and/or Gallery Forest, Seasonally Semideciduous Forest, Ombrophyllous Forest (Tropical Rain Forest)

## Geographic Distribution

### Confirmed occurrences

Northeast (Bahia)

Central-west (Distrito Federal, Goiás)

Southeast (Espírito Santo, Minas Gerais, Rio de Janeiro, São Paulo)

South (Paraná)

## HERBARIUM MATERIAL

Carvalho, A., 2539, CEPEC

Pires et al., 9469, K, Distrito Federal

Lewis et al., 2027, MONT, NY, MEXU, BR, CEPEC, MO, K, Bahia

R. Mello-Silva, 835, MO, K, Espírito Santo

A. F. Regnell, 83, K (502773), P (02740620), P (02740619), P (02740618), Minas Gerais, **Typus**

A.M.G.A. Tozzi et al., 96-45, UEC, Minas Gerais

Lima et al., 3047, RB, Rio de Janeiro

J.G. Tamashiro et al., 1014, UEC, K, ESA, São Paulo

## FIELD IMAGES / ILLUSTRATIONS



Figure 1: *Platycyamus regnellii* Benth.



Figure 2: *Platycyamus regnellii* Benth.



Figure 3: *Platycyamus regnellii* Benth.



Figure 4: *Platycyamus regnellii* Benth.



Figure 5: *Platycyamus regnellii* Benth.

## REFERENCE

Moura, T.M.; Lewis, G.P. & Tozzi, A.M.G.A. (2016). A revision of the South American genus *Platycyamus* Benth. (Leguminosae). *Kew Bulletin* 71: DOI 10.1007/S12225-016-9617-X

# *Platycyamus ulei* Harms

## DESCRIPTION

**Stem:** type erect. **Leaf:** stipule caducous or persistent; leaf imparipinnate; leaflet 4 to 5 pairs per leaf; stipel rarely persistent; foliar rachis 14 to 21 long (cm). **Inflorescence:** type reduced panicle. **Flower:** flower size 1.5 long (cm); calyx 1 long (cm); corolla colour lilac; standard 1 per 1 cm; wing 1 to 1.5 per 0.4 cm; keel 1.5 per 0.6 cm; androecium diadelphous; filament 1.5 long (cm); style 5 long (mm); ovary pubescent. **Fruit:** dehiscence indehiscent. **Seed:** shape reniform; seed colour brown.

## Life Form

Tree

## Substrate

Terrestrial

## DISTRIBUTION

Native, Not endemic to Brazil

## Phytogeographic Domains

Amazon Rainforest

## Vegetation Types

Terra Firme Forest, Ombrophyllous Forest (Tropical Rain Forest)

## Geographic Distribution

### Confirmed occurrences

North (Acre)

## HERBARIUM MATERIAL

H. C. de Lima, 5455, RB, HPZ:

D. Daly, 6873, INPA, Acre

C.A. Cid Ferreira, 10159A, MO, INPA, Acre

Lima & Soares, 5455, RB, Acre

Ule, 9469, K, **Typus**

## REFERENCE

Ducke, A. (1949). Notas sobre a Flora Neotropical - II: As Leguminosas da Amazonia Brasileira (ed. 2). Bol. Tecn. Inst. Agron. N. 18: 1–248.

Moura, T.M.; Lewis, G.P. & Tozzi, A.M.G.A. (2016). A revision of the South American genus *Platycyamus* Benth. (Leguminosae). *Kew Bulletin* 71: DOI 10.1007/S12225-016-9617-X