

# A review of the Black-spathed species of Anthurium

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# La Historia de Anturios “negro”


**Anthurium caramantae** Engl. 1989, Colombia.  
Antioquia: vic. Caramanta, 2200 m Originally placed  
in Belolonchium but belongs in Cardiolonchium

**Anthurium cupreonitens** Engl. 1905. Colombia.  
Cundinamarca. Ocoña, 2000-3000 m, sect,  
Belolonchium

**Anthurium watermaliense** Bailey & Nash in Bailey.  
Costa Rica, Panama and and Colombia, 750-2400 m,  
sect. Belolonchium.

**Anthurium atramentarium** Croat & Oberle,  
Colombia, Antioquia, 2000-2500 m, sect.  
Calomystrium

*Anthurium caramantae* Engl.



**Anthurium  
caramantae Engl.  
Colombia. Caldas:  
Manizales.**

30 4 2007



**Anthurium  
caramantae Engl.  
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Anthurium  
caramantae Engl.  
Colombia. Caldas:  
Manizales,









# Anthurium caramantae



*Anthurium cupreonitens* Engl.



***Anthurium cupreonitens***  
Engl. Cundinamarca; San  
Francisco, Finca Americais











# Anthurium watermaliense

# Anthurium watermaliense Bailey & Nash ex Bailey



A. watermaliense



A watermaliense



A watermaliense

# Anthurium atramentarium



*Anthurium atramentarium* Croat

# Additional undescribed species of black-spathed species.

*Anthurium bantanum* Croat, Colombia.  
Antioquia, 2600 m, sect. *Belonchium*

*Anthurium manizalense* Croat &  
Caraño, Manizales, 2560 m, sect.  
*Cardiolonchium*

*Anthurium envargasii*, Colombia.  
Cundinamarca. Farallones de Medina  
S. of Gachetá, sect. *Cardiolonchium*

*Anthurium bantanum* Croat



A. bantanum



A. bantanum





A. bantanum

**Anthurium bantanum** Croat, sp. nov. Type:  
Colombia. Antioquia. E of Medellin, along road  
between Limón and Río Piedras; elev. 2600 m, 23  
April 1983, T. B. Croat 56304

Terrestrial; internodes 1-2 cm long, 3.5 cm  
diam; cataphylls persistent, semi intact at their  
apex, with a fibrous network at the base; petioles  
terete midway, obscurely sulcate near apex;  
blades coriaceous, semi glossy, dark green  
above, the majors raised, the primary lateral veins  
weakly raised in valleys, collective veins and  
tertiary veins etched; tertiary vein prominent  
beneath; spathe hooding spadix, glossy, dark  
black-purple; the spadix white at anthesis; the  
tepals matte; young infructescence brown, the  
green pistils uniformly weak-emergent.

*Anthurium bantanum* is endemic to Colombia, known only from the type locality in Antioquia Department near Medellin on the eastern slope of the valley of the Río Cauca at 2600 m in a *Montane moist forest* life zone.

The species is a member of *Belolonchium* characterized by its terrestrial habit, short internodes, cataphylls persisting intact at apex but otherwise fibrous and reddish brown, petioles terete midway and obscurely sulcate toward apex, moderately coriaceous narrowly ovate-triangular-sagittate blades which dry yellowish brown above and grayish to grayish green below with a hippocrepiform sinus the, collective veins arising from the 1st to 3rd pairs of basal veins, a single pair of free basal veins, a well developed posterior rib as well as by the long-pedunculate inflorescence with an erect hooding dark purple-black ovate-elliptic spathe and a white bluntly tapered spadix.

The species is closest to *A. cupreonitens* Engl. from similar elevations in the Cordillera Oriental in Cundinamarca Department which differs in having blades usually conspicuously constricted along the anterior lobe, less conspicuous tertiary veins, a longer more slender spadix with the stamens prominently exerted at anthesis and with often a much longer stipe (up to 5 cm long).

# Anthurium manizalense Croat & Carano



*Anthurium* sp. nov. cf. *caramantae*,  
Croat et al. 97988 Colombia: Caldas.  
Manizales, Vereda Las Palomas,  
Reserva Río Blanco, Sitio Mirador.  
2560 m





*Anthurium manizalense* sp. nov., Croat  
et al. 97988 Colombia: Caldas.  
Manizales, Vereda Las Palomas,  
Reserva Río Blanco, Sitio Mirador.  
2560 m



*Anthurium manizalense* sp. nov., Croat  
et al. 97988 Colombia: Caldas.  
Manizales, Vereda Las Palomas,  
Reserva Río Blanco, Sitio Mirador.  
2560 m





**Anthurium caramantae**  
Engl., Croat et al. 97982  
[confirm number]



**Anthurium manizalense** Croat &  
Caraño, Croat et al. 97988

# Anthurium envargasii Croat



**Anthurium  
envargasii Croat**

Colombia.  
Cundinamarca:  
Farallones de  
Medina S. of  
Gachetá,  
4°38'11.2"N,







Additional species which  
may have a blackish  
spathe.

*Anthurium cabrerense* Engl. Tolima. 2000-2300 m,

*Anthurium macarense* Schultes

*Anthurium cabrerense* Engler





A, cabrerense



A. Cabrerense



*A. cabrerense*



A. Caramantae





A. Manizalense

B. Photo by Jesus Velez

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COL-202049871



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*Anthurium macaranense*  
Epífita, a 2 m. de altura. Hojas  
verde oscuro, envés verde oliváceo,  
haz, vinífera en el envés, amari-  
llo.

Tem. C.

COLOMBIA

Departamento del Huila, Municipio  
de Agua Bonita, Finca La Merengue,  
Popayán, 2.000 - 2.500 m.

N.º 978 Jorge H. Torre

Anthurium macaranense at Finca Merenberg in Huila Department





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135209  
COLOMBIA, D

PLANTS OF COLOMBIA  
CORDILLERA ORIENTAL

*Anthurium* aff. *macarenense* R.E. Schultes

Pet. A. Fernández-Pérez, 1972

Cundinamarca: SW of Bogotá on toll road to Silvanía,  
near kilometer marker 11. Elevation 2,700 m.

Vine, to 4 m. in length; petioles reddish-purple; leaves  
dark green above, pale and shiny below; spathe shiny,  
dark purple; spadix purple. Growing on steep, forested  
slope.

COLLECTOR Arthur S. Barclay, Pedro Jaalibioy & José C.  
NO. 3430 DATE May 19, 1972

Voucher for sample collected by Agricultural Research Service, U. S. Department of Agriculture,  
for the anticancer screening program of the Cancer Chemotherapy National Service Center,  
National Cancer Institute.

Sw of Bogota on toll road to Silvania, 2600 m



PLANTS OF  
CORDILLERA

Anthurium aff. macarenense H. B. K.  
Det. A. C. S.

Cundinamarca: SW of Bogotá  
near kilometer marker 11. H.  
Vine, to 4 m. in length; petioles  
dark green above, pale and  
dark purple; spadix purple.  
slope.



Cauca: Macoa-Pitalito, 1400 m,

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COLOMBIA: CAUCA. Vía Macoa - Pitalito, San Juan,  
caucana, vertiente amazónica. 1400 m.  
8 Mayo 1994  
Planta trepadora hasta de 1.8 m, espata negra.  
No: 11490 J. Luis Fernandez-Alonso, Elizabeth Mesa  
Canoero.



J. L. Fernandez Alonzo,

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## Key to black spathed Anthurium

Cataphylls persisting intact, Antioquia, 1720-2320 m  
*A. atramentarium* Croat & Oberle

Cataphylls persisting as fibers

Blades drying green

*A. caramantae* Engl., *A. watermaliense* Hort, *A. edvargasii* Croat

Blades drying brown

*A. bantanum* Croat, *A. cupreonitens* Engl.

Closing Remarks:

Conclusions:

Black-spathed *Anthurium* species are a polyphylletic group belonging to three different sections but the sympomorphy of black spathe color seems most attributable to *Anthurium* sect. *Belolonchium* and several undetermined specimens from Central Colombia also have black spathes.