Encyclia Hook. (1828)

[en-SIK-lee-ah]

The American Orchid Society notes Encyclia is a genus of epiphytic orchids, segregated from Epidendrum, described by Hooker in 1828 establishing Encyclia *viridiflora* as the type species. Since that time, the number of species in this genus, Epidendrum and a number of other genera segregated from Epidendrum at various times, has varied dramatically. In 1997, Higgins established the genus Prosthechea, moving many former Encyclia species in a further attempt to classify this group. Over time, there will likely be other changes as well.

Encyclias are extremely variable and range in size from 2-inch plants up to pseudobulbs the size of softballs with leaves 2 feet or more in length. In spite of this variability, they all share the common feature of a lip that, while not fused to the column, more or less enfolds it. The name Encyclia is derived from the Greek word enkyklein, which refers to the lip encircling the column. Commonly grown species are Encyclia *cordigera* (often seen horticulturally as Encyclia *atropurpurea,* a completely misapplied name); Encyclia *cochleata* (now Prosthechea *cochleata*), Encyclia *tampense* and Encyclia *alata*.

Type species: Encyclia *viridiflora*

**Distribution**



**Native to:**

Argentina Northeast, Argentina Northwest, Bahamas, Belize, Bolivia, Brazil North, Brazil Northeast, Brazil South, Brazil Southeast, Brazil West-Central, Cayman Is., Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Florida, French Guiana, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico Central, Mexico Gulf, Mexico Northeast, Mexico Northwest, Mexico Southeast, Mexico Southwest, Netherlands Antilles, Nicaragua, Panamá, Paraguay, Peru, Puerto Rico, Suriname, Trinidad-Tobago, Turks-Caicos Is., Venezuela, Venezuelan Antilles

**Heterotypic Synonyms**

Doxosma Raf. in Fl. Tellur. 4: 9 (1838)

Sulpitia Raf. in Fl. Tellur. 4: 37 (1838)

**Accepted Species**

Includes 171 Accepted Species

Encyclia acapulcensis Viccon, Cetzal & Carnevali

Encyclia acutifolia Schltr.

Encyclia × adamsii Sauleda

Encyclia adenocarpos (Lex.) Schltr.

Encyclia adenocaula (Lex.) Schltr.

Encyclia advena (Rchb.f.) Porto & Brade

Encyclia aenicta Dressler & G. E. Pollard

Encyclia alata (Bateman) Schltr.

Encyclia albopurpurea (Barb. Rodr.) Porto & Brade

Encyclia alboxanthina Fowlie

Encyclia × alcardoi V. P. Castro & Chiron

Encyclia altissima Schltr.

Encyclia amazonica Brongn. ex-Neumann

Encyclia ambigua (Lindl.) Schltr.

Encyclia andrichii L. C. Menezes

Encyclia androsiana Sauleda

Encyclia angustifolia (Sw.) Schltr.

Encyclia angustiloba Schltr.

Encyclia archilarum W. E. Higgins

Encyclia argentinensis (Speg.) Hoehne

Encyclia aspera (Lindl.) Schltr.

Encyclia asperula Dressler & G. E. Pollard

Encyclia atrorubens (Rolfe) Schltr.

Encyclia auyantepuiensis Carnevali & I. Ramírez

Encyclia × bajamarensis Sauleda & R. M. Adams

Encyclia belizensis (Rchb.f.) Schltr.

Encyclia betancourtiana Carnevali & I. Ramírez

Encyclia bicalhoi V.P.Castro & Bohnke

Encyclia bipapularis (Rchb.f.) Acuña

Encyclia bocourtii Múj. Benítez & Pupulin

Encyclia bohnkiana V.P. Castro & Campacci

Encyclia bracteata Schltr. ex Hoehne

Encyclia bractescens (Lindl.) Hoehne

Encyclia bradfordii (Griseb.) Carnevali & I. Ramírez

Encyclia bragancae Ruschi

Encyclia × breueriana V. P. Castro & Speckm.

Encyclia caicensis Sauleda & R.M . Adams

Encyclia cajalbanensis Múj.Benítez, Bocourt & Pupulin

Encyclia calderoniae Soto Arenas

Encyclia × camagueyensis Rodr.Seijo, Gonz.Estév., Sauleda, Risco Vill. & Esperon

Encyclia candollei (Lindl.) Schltr.

Encyclia × carbonitensis Campacci

Encyclia × celiamirandae Campacci & G. F. Carr

Encyclia ceratistes (Lindl.) Schltr.

Encyclia chapadensis L.C.Menezes

Encyclia chiapasensis Withner & D. G. Hunt

Encyclia chloroleuca (Hook.) Neumann

Encyclia conchaechila (Barb.Rodr.) Porto & Brade

Encyclia contrerasii R.González

Encyclia cordigera (Kunth) Dressler

Encyclia × cordistes Sauleda

Encyclia correllii Sauleda

Encyclia cyperifolia (C.Schweinf.) Carnevali & I. Ramírez

Encyclia × darieniana Esperon & Sauleda

Encyclia davidhuntii Withner & M. Fuente

Encyclia delacruzii W. E. Higgins & Archila

Encyclia dichroma (Lindl.) Schltr.

Encyclia dickinsoniana (Withner) Hamer

Encyclia diota (Lindl.) Schltr.

Encyclia diurna (Jacq.) Schltr.

Encyclia dressleri Beutelsp. & Mor.-Mol.

Encyclia duveenii Pabst

Encyclia elegantula Dressler

Encyclia enriquearcilae Carnevali & Cetzal

Encyclia × esperonii Rodr. Seijo & Sauleda

Encyclia × fabianae B. P. Faria, A.D. Santana & Péres Junior

Encyclia fehlingii (Sauleda) Sauleda & R. M. Adams

Encyclia ferreirae Campacci & J. B. F. Silva

Encyclia fimbriata C. A. Bastos, Van den Berg & Meneguzzo

Encyclia flabellata (Lindl.) B. F. Thurst. & W. R. Thurst.

Encyclia fowliei Duveen

Encyclia fucata (Lindl.) Schltr.

Encyclia gallopavina (Rchb.f.) Porto & Brade

Encyclia garciae-esquivelii Carnevali & I.Ramírez

Encyclia gonzalezii L. C. Menezes

Encyclia × gracilis (Lindl.) Schltr.

Encyclia grahamii (Hook.) Bosmenier, Esperon & Sauleda

Encyclia granitica (Lindl.) Schltr.

Encyclia gravida (Lindl.) Schltr.

Encyclia grisebachiana (Cogn.) Acuña

Encyclia guadalupeae R. González & Alvarado

Encyclia guanahacabibensis Sauleda & Esperon

Encyclia guatemalensis (Klotzsch) Dressler & G. E. Pollard

Encyclia guentheriana (Kraenzl.) R. Vásquez

Encyclia guianensis Carnevali & G.A. Romero

Encyclia × guzinskii Sauleda & R.M. Adams

Encyclia halbingeriana Hágsater & Soto Arenas

Encyclia hamiltonii Sauleda & Esperon

Encyclia hanburyi (Lindl.) Schltr.

Encyclia havanensis O. Bello, Esperon & Sauleda

Encyclia hermentiana Brongn. ex-Neumann

Encyclia × hillyerorum Sauleda & R. M. Adams

Encyclia holguinensis Soto Calvo, Esperon & Sauleda

Encyclia howardii (Ames & Correll) Hoehne

Encyclia huertae Soto Arenas & R. Jiménez

Encyclia ibanezii Archila & W.E. Higgins

Encyclia inaguensis Nash ex Britton & Millsp.

Encyclia incumbens (Lindl.) Mabb.

Encyclia inopinata Leopardi, Carnevali & G. A. Romero

Encyclia ionosma (Lindl.) Schltr.

Encyclia isochila (Rchb.f.) Dod

Encyclia ivoniae Carnevali & G. A. Romero

Encyclia jenischiana (Rchb.f.) Porto & Brade

Encyclia × jequitinhonhensis Campacci & Bohnke

Encyclia × jezuinae Campacci & G. F. Carr

Encyclia joaosaiana Campacci & Bohnke

Encyclia kennedyi (Fowlie & Withner) Hágsater

Encyclia kermesina (Lindl.) P. Ortiz

Encyclia kingsii (C.D.Adams) Nir

Encyclia × knowlesii Sauleda & R. M. Adams

Encyclia leucantha Schltr.

Encyclia linearifolioides (Kraenzl.) Hoehne

Encyclia lineariloba Withner

Encyclia × lleidae Sauleda & R. M. Adams

Encyclia lopezii Leopardi & Carnevali

Encyclia lorata Dressler & G. E. Pollard

Encyclia mapuerae (Huber) Brade & Pabst

Encyclia maravalensis Withner

Encyclia meliosma (Rchb.f.) Schltr.

Encyclia microbulbon (Hook.) Schltr.

Encyclia microtos (Rchb.f.) Hoehne

Encyclia moebusii H.Dietr.

Encyclia monteverdensis M. A. Díaz & Ackerman

Encyclia mooreana (Rolfe) Schltr.

Encyclia naranjapatensis Dodson

Encyclia navarroi Vale & D. Rojas

Encyclia nematocaulon (A. Rich.) Acuña

Encyclia × nizanburyi Pérez-García & Hágsater

Encyclia × nizandensis Pérez-García & Hágsater

Encyclia obtusa (A.DC.) Schltr.

Encyclia ochrantha (A. Rich.) Withner

Encyclia oestlundii (Ames, F. T. Hubb. & C. Schweinf.) Hágsater & Stermitz

Encyclia oliveirana Campacci

Encyclia oncidioides (Lindl.) Schltr.

Encyclia osmantha (Barb. Rodr.) Schltr.

Encyclia × osmentii Sauleda & Esperon

Encyclia ossenbachiana Pupulin

Encyclia oxypetala (Lindl.) Schltr.

Encyclia oxyphylla Schltr.

Encyclia pachyantha (Lindl.) Hoehne

Encyclia × padreortizii Sauleda

Encyclia papillosa (Bateman ex Lindl.) Aguirre-Olav.

Encyclia parallela (Lindl.) P. Ortiz

Encyclia parkeri Reina-Rodr. & Leopardi

Encyclia parviflora (Regel) Withner

Encyclia parviloba (Fawc. & Rendle) Nir

Encyclia patens Hook.

Encyclia patriciana (J. S. Moreno & Campacci) J. M. H. Shaw

Encyclia pauciflora (Barb.Rodr.) Porto & Brade

Encyclia peraltensis (Ames) Dressler

Encyclia perplexa (Ames, F. T. Hubb. & C. Schweinf.) Dressler & G. E. Pollard

Encyclia phoenicea (Lindl.) Neumann

Encyclia picta (Lindl.) Hoehne

Encyclia pilosa (C. Schweinf.) Carnevali & I.Ramírez

Encyclia plicata (Lindl.) Schltr.

Encyclia pollardiana (Withner) Dressler & G. E. Pollard

Encyclia profusa (Rolfe) Dressler & G. E. Pollard

Encyclia pyriformis (Lindl.) Schltr.

Encyclia × raganii Sauleda & R. M. Adams

Encyclia randii (L. Linden & Rodigas) Porto & Brade

Encyclia recurvata Schltr.

Encyclia remotiflora (C. Schweinf.) Carnevali & I. Ramírez

Encyclia replicata (Lindl. & Paxton) Schltr.

Encyclia richardiana Rodr. Seijo, Esperon & Sauleda

Encyclia rodolfoi Archila, Chiron & Véliz

Encyclia rosariensis Múj. Benítez, R. Pérez & Pupulin

Encyclia rufa (Lindl.) Britton & Millsp.

Encyclia rzedowskiana Soto Arenas

Encyclia sabanensis Vale, Pérez-Obr. & Faife

Encyclia sagrana (A. Rich.) Soto Calvo, Esperon & Sauleda

Encyclia sclerocladia (Lindl.) Hoehne

Encyclia seidelii Pabst

Encyclia selligera (Bateman ex Lindl.) Schltr.

Encyclia silverarum Leopardi & Carnevali

Encyclia spatella (Rchb.f.) Schltr.

Encyclia spiritusanctensis L. C. Menezes

Encyclia steinbachii Schltr.

Encyclia stellata (Lindl.) Schltr.

Encyclia suaveolens Dressler

Encyclia tampensis (Lindl.) Small

Encyclia thienii Dodson

Encyclia thrombodes (Rchb.f.) Schltr.

Encyclia trachycarpa (Lindl.) Schltr.

Encyclia trachychila (Lindl.) Schltr.

Encyclia trautmannii Senghas

Encyclia triangulifera (Rchb.f.) Acuña

Encyclia tuerckheimii Schltr.

Encyclia unaensis Fowlie

Encyclia uxpanapensis Salazar

Encyclia × verboonenii V. P. Castro & Campacci

Encyclia viridiflora Hook.

Encyclia withneri (Sauleda) Sauleda & R. M. Adams

Encyclia xerophytica Pabst

Encyclia xipheres (Rchb.f.) Schltr.

Encyclia yauaperyensis (Barb. Rodr.) Porto & Brade

Encyclia Species Awards

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | FCC | AM | HCC | AQ | JC | CCM | CCE | CHM | CBM | CBR | TOTAL |
| *acicularis, ~bractescens* | - | 3 | 1 | - | - | 7 | 3 | - | 1 | - | 15 |
| *acuta, ~chloroleuca* | - | - | - | - | - | - | - | 1 | 1 | - | 2 |
| *acutifolia* | - | - | 1 | - | - | 3 | - | - | 1 | - | 5 |
| *adenocarpa* | - | - | 1 | - | - | - | 1 | 1 | 1 | - | 4 |
| *adenocaula* | - | 4 | 7 | - | 1 | 2 | - | - | - | - | 14 |
| *advena* | - | 2 | - | - | - | - | - | - | 1 | - | 3 |
| *aenicta* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| ***\*alata*** | **-** | **16** | **20** | **-** | **6** | **10** | **2** | **2** | **1** | **-** | **57** |
| *alborubra, ~ambigua* | - | 2 | - | - | - | - | - | 1 | - | 1 | 4 |
| *alboxanthina* | - | - | - | - | - | - | - | 3 | - | - | 3 |
| *altissima* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *amanda, ~chloroleuca* | - | - | - | - | - | - | - | 1 | - | 1 | 2 |
| *ambigua* | - | 2 | - | - | - | - | - | 1 | - | 1 | 4 |
| *amicta, ~linearifolioides* | - | - | - | - | - | - | - | 1 | - | 1 | 2 |
| *andrichii* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *angustifolia* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *angustiloba* | - | 1 | 1 | - | - | - | - | - | - | - | 2 |
| *argentinensis* | - | - | - | - | - | - | - | - | - | 2 | 2 |
| *incumbens* | - | - | 1 | - | 1 | 1 | - | 1 | - | - | 4 |
| *aspera* | - | - | - | - | - | - | - | - | - | 2 | 2 |
| *asperula* | - | - | - | - | - | 1 | 1 | 1 | - | 1 | 4 |
| *atrorubens* | - | 1 | 3 | - | - | 2 | 1 | 2 | - | - | 9 |
| *bahamensis, ~rufa* | - | - | - | - | 1 | 2 | - | 1 | - | 1 | 5 |
| ***belizensis, ~\*alata*** | **-** | **16** | **20** | **-** | **6** | **10** | **2** | **2** | **1** | **-** | **57** |
| *bicornuta,~* | - | - | - | - | - | - | - | 1 | - | 1 | 2 |
| *bipapularis* | - | 1 | - | - | - | - | - | 1 | - | 1 | 3 |
| *bocourtii* | - | 2 | - | - | - | - | - | 1 | - | - | 3 |

Encyclia Species Awards

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | FCC | AM | HCC | AQ | JC | CCM | CCE | CHM | CBM | CBR | TOTAL |
| *bohnkiana* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *bracteata* | - | 1 | 1 | - | - | - | - | 1 | - | - | 3 |
| *bractescens* | - | 3 | 1 | - | - | 7 | 3 | - | 1 | - | 15 |
| *brenensii,*  *~mooreana* | - | 2 | 5 | - | - | 2 | - | 1 | 1 | - | 11 |
| *Brevifolia, ~pyriformis* | - | - | 2 | - | - | - | - | 2 | - | - | 4 |
| *burle-marxii,*  *~argentinensis* | - | - | - | - | - | - | - | - | - | 2 | 2 |
| *caicensis* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *cajalbanensis* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *candollei* | - | - | - | - | - | 1 | - | 1 | - | 1 | 3 |
| *cardimii, ~osmantha* | - | - | 1 | - | - | - | - | - | 1 | 1 | 3 |
| *ceratistes, ~ceratites* | - | 2 | 1 | - | - | - | - | 1 | 1 | 1 | 6 |
| *chiapasensis* | - | - | - | - | - | - | - | 1 | - | - | 1 |
| *chloroleuca* | - | - | - | - | - | - | - | - | 1 | 1 | 2 |
| *clovesiana, ~argentinensis* | - | - | - | - | - | - | - | - | - | 2 | 2 |
| *conchichila,*  *~linearifolioides* | - | - | - | - | - | - | - | 1 | - | 1 | 2 |
| *confuse,*  *~argentinensis* | - | - | - | - | - | - | - | - | - | 2 | 2 |
| *conspicua,*  *~dichroma* | - | 4 | - | - | - | 1 | - | - | - | - | 5 |
| ***\*cordigera*** | **4** | **24** | **9** | **-** | **4** | **8** | **-** | **2** | **-** | **-** | **52** |
| *cyperifolia* | - | - | - | - | - | - | - | 1 | - | 1 | 2 |
| *dasilvae, ~granitica* | - | - | 1 | - | - | 1 | - | - | - | 1 | 3 |
| *davidhuntii* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *dichroma* | - | 4 | - | - | - | 1 | - | - | - | - | 5 |
| ***dickensonianum, ~\*alata*** | **-** | **16** | **20** | **-** | **6** | **10** | **2** | **2** | **1** | **-** | **57** |
| *dickinsoniana, ~guatemalensis* | - | 2 | - | - | - | - | - | - | 1 | - | 3 |
| *diota* | - | - | - | 1 | - | - | - | - | 1 | 1 | 2 |
| *diurna* | - | - | 1 | - | - | - | - | 1 | - | - | 2 |
| ***doeringii. ~\*cordigera*** | **4** | **24** | **9** | **-** | **4** | **8** | **-** | **2** | **-** | **-** | **52** |
| *duboisiana, ~phoenicea* | - | 6 | 8 | - | 1 | 1 | - | 1 | - | - | 17 |
| *edithiana, ~replicata* | - | 1 | - | - | - | 3 | 1 | 3 | - | 1 | 9 |
| ***elata, ~\*alata*** | **-** | **16** | **20** | **-** | **6** | **10** | **2** | **2** | **1** | **-** | **57** |
| *expansa, ~replicata* | - | 1 | - | - | - | 3 | 1 | 3 | - | 1 | 9 |
| *fehlingii* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *flava, ~patens* | - | 1 | - | - | - | 2 | - | - | - | 1 | 4 |
| *fowliei* | - | - | - | - | - | - | - | 1 | - | - | 1 |
| *fucata* | - | - | 1 | - | - | - | - | 1 | - | - | 2 |
| *gallopavina* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *garzonensis, ~replicata* | - | 1 | - | - | - | 3 | 1 | 3 | - | 1 | 9 |
| *glandulosa, ~diurna* | - | - | 1 | - | - | - | - | 1 | - | - | 2 |
| *gonzalezii* | - | - | - | - | - | - | - | - | - | 1 | 1 |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | FCC | AM | HCC | AQ | JC | CCM | CCE | CHM | CBM | CBR | TOTAL |
| *goyazensis, ~argentinensis* | - | - | - | - | - | - | - | - | - | 2 | 2 |
| *x gracilis* | - | 1 | - | - | - | 1 | - | 1 | - | - | 3 |
| *granitica* | - | - | 1 | - | - | 1 | - | - | - | 1 | 3 |
| *gravida* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *guatemalensis* | - | 2 | - | - | - | - | - | - | 1 | - | 3 |
| *hamiltonii* | - | 1 | - | - | - | - | - | - | - | - | 1 |
| *hanburii, ~hanburyi* | - | - | - | - | - | - | - | 1 | - | - | 1 |
| *hircina, ~fuscata* | - | - | 1 | - | - | - | - | 1 | - | - | 2 |
| *hodgeana, ~altissima* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *hollandae, ~advena* | - | 2 | - | - | - | - | - | - | 1 | - | 3 |
| *hollandiae, ~advena* | - | 2 | - | - | - | - | - | - | 1 | - | 3 |
| *howardii* | - | 4 | 1 | - | - | 1 | - | - | - | - | 6 |
| *huebneri, ~granitica* | - | - | 1 | - | - | 1 | - | - | - | 1 | 3 |
| *hunteriana, ~stellata* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *inaguensis* | - | - | - | - | - | - | - | 1 | - | - | 1 |
| *incumbens* | - | - | 1 | - | 1 | 1 | - | 1 | - | - | 4 |
| *insidiosa, ~diota* | - | - | - | - | 1 | - | - | - | 1 | 1 | 3 |
| *ivoniae* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *ivonae, ~ivoniae* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *kennedyi* | - | 4 | 1 | - | - | - | - | 1 | - | - | 6 |
| *kundergraberi, ~andrichii* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *laxa, ~candollei* | - | - | - | - | - | 1 | - | 1 | - | 1 | 3 |
| *linearifolioides* | - | - | - | - | - | - | - | 1 | - | 1 | 2 |
| *lutzenbergeri, ~osmantha* | - | - | 1 | - | - | - | - | - | 1 | 1 | 3 |
| ***macrochila, ~\*cordigera*** | **4** | **24** | **9** | **-** | **4** | **8** | **-** | **2** | **-** | **-** | **51** |
| *maderoi, ~replicata* | - | 1 | - | - | - | 3 | 1 | 3 | - | 1 | 9 |
| *magdalenae, ~replicata* | - | 1 | - | - | - | 3 | - | 3 | - | 1 | 9 |
| *maipiriensis* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *megalantha, ~advena* | - | 2 | - | - | - | - | - | - | 1 | - | 3 |
| *meneziana, ~argentinensis* | - | - | - | - | - | - | - | - | - | 2 | 2 |
| *microbulbon* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *microtos* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *microtos var. grandiflora, ~cyperifolia* | - | - | - | - | - | - | - | 1 | - | 1 | 2 |
| *microxanthina, ~linearifolioides* | - | - | - | - | - | - | - | 1 | - | 1 | 2 |
| *moebusii* | - | 2 | 1 | - | - | - | - | 1 | - | - | 4 |
| *monticola, ~gravida* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *mooreana* | - | 2 | 5 | - | - | 2 | - | 1 | 1 | - | 11 |
| *naranjapatae,*  *~naranjapatensis* | - | - | - | - | - | - | - | 1 | - | - | 1 |
| *naranjapatensis* | - | - | - | - | - | - | - | 1 | - | - | 1 |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | FCC | AM | HCC | AQ | JC | CCM | CCE | CHM | CBM | CBR | TOTAL |
| *navarroi* | - | - | - | - | - | - | - | 1 | - | - | 1 |
| *nematocaulon* | - | - | - | - | - | 1 | - | - | - | - | 1 |
| *nemorale, ~adenocaula* | - | 4 | 7 | - | 1 | 2 | - | - | - | - | 14 |
| *nemoralis, ~adenocaula* | - | 4 | 7 | - | 1 | 2 | - | - | - | - | 14 |
| *oblongata, ~phoenicea* | - | 6 | 8 | - | 1 | 1 | - | 1 | - | - | 17 |
| *odoratissima, ~patens* | - | 1 | - | - | - | 2 | - | - | - | 1 | 4 |
| *oestlundii* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *oliveirana* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *ortgiesii, ~dichroma* | - | 4 | - | - | - | 1 | - | - | - | - | 5 |
| *osmantha* | - | - | 1 | - | - | - | - | - | 1 | 1 | 3 |
| *ovulum, ~microbulbon* | - | - | - | - | 1 | - | - | - | - | - | 1 |
| *oxypetala* | - | - | 1 | - | - | - | - | - | - | 1 | 2 |
| *papillosa, ~adenocarpa* | - | - | 1 | - | - | 1 | - | 1 | - | 1 | 4 |
| *parkeri* | - | - | - | - | - | - | - | 1 | - | - | 1 |
| ***\*parviflora*** | **-** | **16** | **20** | **-** | **6** | **10** | **2** | **2** | **1** | **-** | **57** |
| *parviloba* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *patens* | - | 1 | - | - | - | 2 | - | - | - | 1 | 4 |
| *pedra-azulensis, ~argentinensis* | - | - | - | - | - | - | - | - | - | 2 | 2 |
| *pflanzii, ~thrombodes* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *phoenicea* | - | 6 | 8 | - | 1 | - | 1 | 1 | - | - | 17 |
| *pilosa* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *piracanjubensis, ~argentinensis* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *plicata* | - | 2 | 3 | - | - | 1 | - | 1 | 1 | - | 8 |
| *pollardiana* | - | - | - | - | - | - | - | 1 | - | 1 | 2 |
| *powellii, ~ceratistes* | - | 2 | 1 | - | - | 1 | - | 1 | - | 1 | 6 |
| *profusa* | - | 1 | 1 | - | - | 1 | - | 1 | - | - | 4 |
| *purpurachyla, ~gallopavina* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *purpusii, ~* *xipheres* | - | - | - | - | - | 3 | - | - | - | - | 3 |
| *pyriformis* | - | - | 2 | - | - | - | - | 2 | - | - | 4 |
| *x raganii* | - | - | - | - | - | 1 | - | 1 | - | - | 2 |
| *ramonensis,*  *~ceratistes* | - | 2 | 1 | - | - | 1 | - | 1 | - | 1 | 6 |
| *randiana, ~randii* | - | 5 | 5 | - | - | - | - | 1 | - | 1 | 12 |
| *randii* | - | 5 | 5 | - | - | - | - | 1 | - | 1 | 12 |
| *replicata* | - | 1 | - | - | - | 3 | 1 | 3 | - | 1 | 9 |
| *rufa* | - | - | - | - | 1 | 2 | - | 1 | - | 1 | 5 |
| *saltensis,*  *~argentinensis* | - | - | - | - | - | - | - | - | - | 2 | 2 |
| *santanae, ~andrichii* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *santos-dumontii,*  *~argentinensis* | - | - | - | - | - | - | - | - | - | 2 | 2 |
| *schaeferi,*  *~adenocarpa* | - | - | 1 | - | - | 1 | - | 1 | - | 1 | 4 |
| *schmidtii, ~argentinensis* | - | - | - | - | - | - | - | - | - | 2 | 2 |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | FCC | AM | HCC | AQ | JC | CCM | CCE | CHM | CBM | CBR | TOTAL |
| *seidelii* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *selligera* | - | - | - | - | - | - | - | - | 1 | 1 | 2 |
| *serroniana, ~patens* | - | 1 | - | - | - | 2 | - | - | - | 1 | 4 |
| *silvana, ~bohnkiana* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *silverarum* | - | - | - | - | - | - | - | 1 | - | - | 1 |
| *sintenisii, ~gravida* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *sisyrinchiifolia, ~microbulbon* | - | - | - | - | 1 | - | - | - | - | - | 1 |
| *spatella* | - | - | 1 | - | - | - | - | 1 | - | - | 2 |
| *stellata* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *suaveolens* | - | - | - | - | - | - | - | 1 | - | - | 1 |
| *subaquila, ~angustifolia* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| ***tampense, ~\*tampensis*** | **-** | **14** | **8** | **-** | **2** | **14** | **1** | **-** | **1** | **-** | **40** |
| ***\*tampensis*** | **-** | **14** | **8** | **-** | **2** | **14** | **1** | **-** | **1** | **-** | **40** |
| *thienii, ~thennii* | - | - | 1 | - | - | - | - | 1 | - | - | 2 |
| *thrombodes* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *tocantinensis, ~gonzalezii* | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *tonduziana, ~mooreana* | - | 2 | 5 | - | - | 2 | - | 1 | 1 | - | 11 |
| *trachycarpa* | - | - | 1 | - | - | - | - | - | - | - | 1 |
| *trachypus, ~aspera* | - | - | - | - | - | - | - | - | - | 2 | 2 |
| *triangulifera* | - | - | - | - | - | - | - | 1 | - | - | 1 |
| *tripartite, patens* | - | 1 | - | - | - | 2 | - | - | - | 1 | 4 |
| *tuerckheimii* | - | - | - | - | - | - | - | 1 | - | 1 | 2 |
| *unaensis* | - | - | - | - | - | - | - | 1 | - | - | 1 |
| *virens, ~ambigua* | - | 2 | - | - | - | - | - | 1 | - | 1 | 4 |
| *viridiflava, ~chloroleuca* | - | - | - | - | - | - | - | 1 | - | 1 | 2 |
| *wageneri, ~diurna* | - | - | 1 | - | - | - | - | 1 | - | - | 2 |
| *x camagueyensis* | - | - | - | - | - | - | - | 2 | - | - | 2 |
| *x gracilis* | - | 1 | - | - | - | 1 | - | 1 | - | - | 3 |
| *x lucayana,*  *~x gracilis* | - | 1 | - | - | - | 1 | - | 1 | - | - | 3 |
| *x profusa, profusa* | - | 1 | 1 | - | - | 1 | - | 1 | - | - | 4 |
| *x raganii* | - | - | - | - | - | 1 | - | 1 | - | - | 2 |
| *xanthina f. alba,*  *~alboxanthina* | - | - | - | - | - | - | - | 3 | - | - | 3 |
| *xipheres* | - | - | - | - | - | 3 | - | - | - | - | 3 |
| *zaslawskiana,*  *~andrichii* | - | - | - | - | - | - | - | - | - | 1 | 1 |

**Encyclia Species Offspring and Progeny**

|  |  |  |
| --- | --- | --- |
|  | F1 Offspring | Progeny |
| *acicularis, ~bractescens* | 16 | 21 |
| *acuta, ~chloroleuca* | 6 | 6 |
| *acutifolia* | 1 | 1 |
| *adenocarpa* | 7 | 7 |

**Encyclia Species Offspring and Progeny**

|  |  |  |  |
| --- | --- | --- | --- |
| *Species* | | F1 Offspring | Progeny |
| *adenocaula* | | 47 | 93 |
| *advena* | | 10 | 10 |
| *aenicta* | | 0 | 0 |
| ***\*alata*** | | **97** | **244** |
| *alborubra, ~ambigua* | | 6 | 6 |
| *alboxanthina* | | 2 | 2 |
| *altissima* | | 10 | 13 |
| *amanda, ~chloroleuca* | | 6 | 6 |
| *ambigua* | | 6 | 6 |
| *amicta, ~linearifolioides* | | 2 | 2 |
| *andrichii* | | 1 | 1 |
| *angustifolia* | | 0 | 0 |
| *angustiloba* | | 2 | 3 |
| *argentinensis* | | 9 | 10 |
| *incumbens* | | 30 | 64 |
| *aspera* | | 3 | 3 |
| *asperula* | | 0 | 0 |
| *atrorubens* | | 6 | 8 |
| *bahamensis, ~rufa* | | 21 | 49 |
| ***belizensis, ~\*alata*** | | **97** | **244** |
| *bicornuta,~linearifolioides* | | 2 | 2 |
| *bipapularis* | | 2 | 2 |
| *bocourtii* | | 1 | 1 |
| *bohnkiana* | 0 | | 0 |
| *bracteata* | 7 | | 10 |
| *bractescens* | 16 | | 21 |
| *brenensii,*  *~mooreana* | 18 | | 36 |
| *brevifolia, ~pyriformis* | 16 | | 26 |
| *butchienii* | 3 | | 4 |
| *burle-marxii,*  *~argentinensis* | 9 | | 10 |
| *caicensis* | 0 | | 0 |
| *cajalbanensis* | 0 | | 0 |
| *candollei* | 3 | | 3 |
| capartiana, ~advena | 10 | | 10 |
| *cardimii, ~osmantha* | 8 | | 8 |
| *caximboensis, ~xerophytica* | 1 | | 1 |
| *ceratistes, ~ceratites* | 4 | | 6 |
| *chiapasensis* | 1 | | 1 |
| *chironii, ~pachyantha* | 2 | | 2 |
| *chloroleuca* | 6 | | 6 |
| *clovesiana, ~argentinensis* | 9 | | 10 |
| *conchichila,*  *~linearifolioides* | 2 | | 2 |
| *confuse,*  *~argentinensis* | 9 | | 10 |
| *conspicua,*  *~dichroma* | 16 | | 17 |
| ***\*cordigera*** | **217** | | **373** |
| *correllii* | 50 | | 71 |

**Encyclia Species Offspring and Progeny**

|  |  |  |
| --- | --- | --- |
| *Species* | F1 Offspring | Progeny |
| *cyperifolia* | 0 | 0 |
| *dasilvae, ~granitica* | 2 | 2 |
| *davidhuntii* | 0 | 0 |
| *dichroma* | 16 | 17 |
| ***dickensonianum, ~\*alata*** | **97** | **244** |
| *dickinsoniana, ~guatemalensis* | 15 | 25 |
| *diota* | 6 | 6 |
| *diurna* | 12 | 52 |
| ***doeringii. ~\*cordigera*** | **217** | **373** |
| ***duboisiana, ~\*phoenicea*** | **101** | **260** |
| *dutrae, ~pauciflora* | 4 | 4 |
| *edithiana, ~replicata* | 6 | 6 |
| ***elata, ~\*alata*** | **97** | **244** |
| *expansa, ~replicata* | 6 | 6 |
| *ensiformis, ~oncidioides* | 5 | 24 |
| *fehlingii* | 3 | 3 |
| *flava, ~patens* | 3 | 3 |
| *fowliei* | 12 | 12 |
| *fucata* | 5 | 6 |
| *gallopavina* | 4 | 4 |
| *garzonensis, ~replicata* | 6 | 6 |
| *ghillanyi, ~jenischiana* | 2 | 2 |
| *glandulosa, ~diurna* | 12 | 52 |
| *gonzalezii* | 2 | 2 |
| *goyazensis, ~argentinensis* | 9 | 10 |
| *x gracilis* | 3 | 3 |
| *granitica* | 2 | 2 |
| *gravida* | 1 | 1 |
| *grisebachiana* | 3 | 3 |
| *guadalupeae* | 2 | 2 |
| *guanahacabibensis* | 1 | 1 |
| *guatemalensis* | 15 | 25 |
| *hamiltonii* | 2 | 2 |
| *hanburii, ~hanburyi* | 13 | 15 |
| *hircina, ~fuscata* | 5 | 6 |
| *hodgeana, ~altissima* | 10 | 13 |
| *hollandae, ~advena* | 10 | 10 |
| *howardii* | 7 | 12 |
| *huebneri, ~granitica* | 2 | 2 |
| *hunteriana, ~stellata* | 2 | 2 |
| *inaguensis* | 0 | 0 |
| *incumbens* | 30 | 64 |
| *insidiosa, ~diota* | 6 | 6 |
| *ivoniae* | 0 | 0 |
| *ivonae, ~ivoniae* | 0 | 0 |
| *jenischiana* | 2 | 2 |
| *kennedyi* | 2 | 2 |
| *kundergraberi, ~andrichii* | 1 | 1 |
| *latipetala, ~pachyantha* | 2 | 2 |
| *laxa, ~candollei* | 3 | 3 |

**Encyclia Species Offspring and Progeny**

|  |  |  |
| --- | --- | --- |
| *Species* | F1 Offspring | Progeny |
| *leucantha* | 1 | 1 |
| *linearifolioides* | 2 | 2 |
| *longifolia, ~oncidioides* | 5 | 24 |
| *lutzenbergeri, ~osmantha* | 8 | 8 |
| ***macrochila, ~\*cordigera*** | **217** | **373** |
| *maderoi, ~replicata* | 6 | 6 |
| *magdalenae, ~replicata* | 6 | 6 |
| *maipiriensis* | 0 | 0 |
| *megalantha, ~advena* | 10 | 10 |
| *meliosma* | 2 | 27 |
| *meneziana, ~argentinensis* | 9 | 10 |
| *microbulbon* | 2 | 3 |
| *microtos* | 0 | 0 |
| *microtos var. grandiflora, ~cyperifolia* | 0 | 0 |
| *microxanthina, ~linearifolioides* | 2 | 2 |
| *moebusii* | 4 | 4 |
| *monticola, ~gravida* | 1 | 1 |
| *mooreana* | 18 | 36 |
| *naranjapatae,*  *~naranjapatensis* | 2 | 2 |
| *naranjapatensis* | 2 | 2 |
| *navarroi* | 1 | 1 |
| *nematocaulon* | 5 | 8 |
| *nemorale, ~adenocaula* | 47 | 93 |
| *nemoralis, ~adenocaula* | 47 | 93 |
| ***oblongata, ~\*phoenicea*** | **101** | **260** |
| *ochrantha* | 1 | 1 |
| *odoratissima, ~patens* | 3 | 3 |
| *oestlundii* | 0 | 0 |
| *oliveirana* | 1 | 1 |
| *oncidioides* | 5 | 5 |
| *ortgiesii, ~dichroma* | 16 | 17 |
| *osmantha* | 8 | 8 |
| *ovulum, ~microbulbon* | 2 | 3 |
| *oxypetala* | 1 | 1 |
| *pachyantha* | 2 | 2 |
| *papillosa, ~adenocarpa* | 7 | 7 |
| *parkeri* | 0 | 0 |
| ***\*parviflora*** | **97** | **244** |
| *parviloba* | 0 | 0 |
| *patens* | 3 | 3 |
| *pauciflora* | 4 | 4 |
| *pedra-azulensis, ~argentinensis* | 9 | 10 |
| *pflanzii, ~thrombodes* | 0 | 0 |
| ***\*phoenicea*** | **101** | **260** |
| *pilosa* | 2 | 2 |
| *piracanjubensis, ~argentinensis* | 9 | 10 |
| *plicata* | 47 | 74 |
| *pollardiana* | 2 | 2 |
| *powellii, ~ceratistes* | 4 | 6 |
| *Species* | F1 Offspring | Progeny |
| *profusa* | 10 | 13 |
| *purpurachyla, ~gallopavina* | 4 | 4 |
| *purpusii, ~* *xipheres* | 1 | 1 |
| *pyriformis* | 16 | 26 |
| *quesneliana, ~oncidioides* | 5 | 24 |
| *ramonensis, ~ceratistes* | 4 | 4 |
| *randiana, ~randii* | 36 | 56 |
| *randii* | 36 | 56 |
| *recurvata* | 2 | 2 |
| *replicata* | 6 | 6 |
| *rufa* | 21 | 49 |
| *saltensis,*  *~argentinensis* | 9 | 10 |
| *santanae, ~andrichii* | 1 | 1 |
| *santos-dumontii,*  *~argentinensis* | 9 | 10 |
| *schaeferi,*  *~adenocarpa* | 7 | 7 |
| *schmidtii, ~argentinensis* | 9 | 10 |
| *seidelii* | 1 | 1 |
| *selligera* | 11 | 16 |
| *serroniana, ~patens* | 3 | 3 |
| *silvana, ~bohnkiana* | 0 | 0 |
| *silverarum* | 0 | 0 |
| *sintenisii, ~gravida* | 1 | 1 |
| *sisyrinchiifolia, ~microbulbon* | 2 | 3 |
| *spatella* | 0 | 0 |
| *spiritusanctensis* | 1 | 1 |
| *steinbachii* | 3 | 4 |
| *stellata* | 2 | 2 |
| *suaveolens* | 1 | 1 |
| *subaquila, ~angustifolia* | 0 | 0 |
| ***tampense, ~\*tampensis*** | **167** | **247** |
| ***\*tampensis*** | **167** | **247** |
| *thienii, ~thennii* | 0 | 0 |
| *thrombodes* | 0 | 0 |
| *tocantinensis, ~gonzalezii* | 2 | 2 |
| *tonduziana, ~mooreana* | 18 | 36 |
| *trachycarpa* | 0 | 0 |
| *trachychila* | 2 | 2 |
| *trachypus, ~aspera* | 3 | 3 |
| *triangulifera* | 1 | 1 |
| *trinitensis* | 2 | 2 |
| *tripartite, patens* | 3 | 3 |
| *truncata* | 7 | 9 |
| *tuerckheimii* | 1 | 1 |
| *unaensis* | 0 | 0 |
| *virens, ~ambigua* | 6 | 6 |
| *viridiflava, ~chloroleuca* | 6 | 6 |
| *wageneri, ~diurna* | 12 | 52 |
| *withneri* | 3 | 3 |
| *x gracilis* | 3 | 3 |

**Encyclia Offspring and Progeny**

|  |  |  |
| --- | --- | --- |
| *Species* | F1 Offspring | Progeny |
| *x lucayana, ~x gracilis* | 3 | 3 |
| *x profusa, profusa* | 10 | 13 |
| *x raganii* | 0 | 0 |
| *xanthina f. alba,*  *~alboxanthina* | 2 | 2 |
| *xerophytica* | 1 | 1 |
| *xipheres* | 1 | 1 |
| *zaslawskiana,*  *~andrichii* | 1 | 1 |

Encyclia building blocks include:

1. Encyclia *alata* – based on fifty-seven American Orchid Society awards and ninety-seven F1 offspring and two hundred forty-four progeny.
2. Encyclia *cordigera* – based on fifty-two American Orchid Society awards and two hundred seventeen F1 offspring and three hundred seventy-three progeny.
3. Encyclia *phoenicea* – based on one hundred and one F1 offspring and two hundred sixty progeny.
4. Encyclia *tampensis* – based on forty American Orchid Society awards and one hundred sixty-seven F1 offspring and two hundred forty-seven progeny.

**Encyclia Species and Hybrids With Mike Curtin – American Orchid Society Webinar**

1. Started with 242 species, after reclassification decreased to 188
2. Use the General Scale to Judge
3. Preference is for full, flat, and round flowers; however, Encyclias are most often stellate.
4. Encyclics are aligned according to ancestral species.
5. Lip encloses the column.
6. Has pseudobulbs.
7. Has apical inflorescences.
8. Lip is free from the column for most of the length.
9. The column is without a foot. (What does this mean?)
10. Based on awards and number of F1 offspring, the following rank highest:
    1. E. *alata*;
    2. E. *codigera*; and
    3. E. *tampensis*.
11. Traits:

Positive Negative

* 1. floriferousness a. small flowers
  2. fragrant b. blooms in the summer
  3. long lasting flowers c. stubborn in hybridizing
  4. easy to grow
  5. intra and intergeneric success

**References**

American Orchid Society. (n.d.). Encyclia. <https://www.aos.org/orchids/orchids-a-to-z/letter-e/encyclia.aspx>.

Bastos, C., Meneguzzo, T., and van den Berg, C. (2018). A taxonomic revision of the Brazilian species of Encyclia (Orchidaceae: Epidendroideae: Epidendreae). Phytotaxa 342: 1-84.

Curtin, M. (2020). Encyclia species and hybrids with Mike Curtin. American Orchid Society. https://www.aos.org/all-about-orchids/webinars/member-only/encyclia,-a-look-at-the-species-and-hybrids.aspx.

Dressler, R. (1993). Field guide to the orchids of Costa Rica and Panama. Comstock Publishing Associates, Ithaca, New York

Dressler, R., and Pollard, G. (1976). The genus Encyclia in Mexico. Asociation Mexicana de Orquideologia, A. C.,Mexico City, Mexico.

Govaerts, R. (2003). World checklist of monocotyledons Database in ACCESS: 1-71827. The Board of Trustees of the Royal Botanic Gardens, Kew.

OrchidPro. (n.d.).

OrchidWiz X9.0. (n.d.).

Pridgeon, A., Cribb, P., Chase, M., and Rasmussen, F. (2006). Epidendroideae (Part One). Genera Orchidacearum 4: 1-672. Oxford University Press, New York, Oxford.

Pupulin, F. and Bogarín, D. (2012). A taxonomic revision of Encyclia (Orchidaceae: Laeliinae) in Costa Rica. Botanical Journal of the Linnean Society 168: 395-448.

Royal Botanical Gardens Kew, Plants of the World On-line. (n.d.). Encyclia. <https://powo.science.kew.org/taxon/urn:lsid:ipni.org:names:328893-2>.

Withner, C. (2000). The Cattleyas and their relatives. Volume VI. The South American Encyclia Species. Timber press, Portland, Oregon.