

South Coast Cactus and Succulent Society

Cacti of the Month February 2010 - *Echinopsis*

In lieu of writing an article that lacks depth and completeness, we are substituting the following link for information on *Rhipsalis*.

<http://en.wikipedia.org/wiki/Schinopsis>

If other web-based articles in Wikipedia are appropriate they too will be used.
If you have comments on using this method, please contact Dale La Forest

Echinopsis

From Wikipedia, the free encyclopedia

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Echinopsis spachiana
Species Scientific classification

Kingdom: [Plantae](#)

Division: [Magnoliophyta](#)
Class: [Magnoliopsida](#)
Order: [Caryophyllales](#)
Family: [Cactaceae](#)
Subfamily: [Cactoideae](#)
Tribe : [Trichocereae](#)
Genus: ***Echinopsis***

Echinopsis is a large [genus](#) of [cacti](#) native to [South America](#), sometimes known as **hedgehog cacti**, **sea-urchin cactus** or **Easter lily cactus**. One small species, *E. chamaecereus*, is known as the **peanut cactus**. The 128 species range from large and treelike types to small globose cacti. The name derives from *echinos* hedgehog or sea urchin, and *opsis* appearance, a reference to these plants' dense coverings of spines.

Echinopsis is distinguished from [Echinocactus](#) by the length of the [flower tube](#) from [Cereus](#) by the form and size of their [stems](#), and from both in the position on the stem occupied by the flowers. They are remarkable for the great size, length of tube, and beauty of their flowers, which, borne upon generally small and dumpy stems, appear much larger and more attractive than would be expected.

Distribution

Echinopsis species are native to South America ([Argentina](#), [Chile](#), [Bolivia](#), [Peru](#), [Brazil](#), [Ecuador](#), [Paraguay](#) and [Uruguay](#)). They grow only in situations where the soil is sandy or gravelly, or on the sides of hills in the crevices of rocks.

Cultivation

The growing and resting seasons for *Echinopsis* are the same as for *Echinocactus*. Research by J. Smith (former Curator at the [Royal Botanic Gardens, Kew](#)) showed that species like the [Chilean](#) *Echinopsis cristata* and its [Mexican](#) relatives thrive if potted in light loam, with a little leaf mould and a few nodules of [limestone](#). The limestone keeps the soil open; it is important that the soil should be well drained. In winter, water must be given very sparingly, and the atmosphere should be dry; the temperature need not exceed 10°C during the night, and in very cold weather it may be allowed to fall to 5°C, provided a higher temperature of 14°C is maintained during the day. In spring, the plants should receive the full influence of the increasing warmth of the sun; and during hot weather, they will be benefited by frequent spraying overhead, which should be done in the evening. The soil should never be saturated, as the soft fibrous roots will rot if kept wet for any length of time.

None of the species need to be grafted to grow freely and remain healthy, as the stems are all robust enough and of sufficient size to take care of themselves. The only danger is in keeping the plants too moist in winter, for although a little water now and again keeps the stems fresh and green, it deprives them of that rest which is essential to the development of their large, beautiful flowers in summer.

Taxonomy changes

Studies in the 1970s and 1980s resulted in several formerly separate genera being absorbed into *Echinopsis*:

Acantholobivia Backeb.	Lobirebutia Fric (nom. inval.)
Acanthopetalus Y.Itô	Lobivia Britton & Rose
Andenea Fric (nom. inval.)	Lobiviopsis Fric (nom. inval.)
Aureilobivia Fric (nom. inval.)	Megalobivia Y.Itô (nom. inval.)
Chamaecereus Britton & Rose	Mesechinopsis Y.Itô
Chamaelobivia Y.Itô (nom. inval.)	Neolobivia Y.Itô
Cinnabarinea Fric ex F.Ritter	Pilopsis Y.Itô (nom. inval.)
Echinolobivia Y.Itô (nom. inval.)	Pseudolobivia (Backeb.) Backeb.
Echinonyctanthus Lem.	Rebulobivia Fric (nom. inval.)
Furiolobivia Y.Itô (nom. inval.)	Salpingolobivia Y.Itô
Helianthocereus Backeb	Scoparebutia Fric & Kreuz. ex Buining
Heterolobivia Y.Itô (nom. inval.)	Setiechinopsis (Backeb.) de Haas
Hymenorebulobivia Fric (nom. inval.)	Soehrensia Backeb.
Hymenorebutia Fric ex Buining	Trichocereus (A.Berger) Riccob.
Leucosteles Backeb.	

Some have proposed merging *Rebutia* as well.

Like several other [taxonomic](#) changes in *Cactaceae*, this one has not been universally liked and accepted by amateur and professional growers; names like *Echinopsis* (in the older sense), *Lobivia*, *Setiechinopsis* and *Trichocereus* are still in common use, while many of the others listed above fell out of common usage long before the change.

The taxonomic changes have been [criticised](#) by [K. Trout](#), in particular the inclusion of the genus [Trichocereus](#), and the formation of a huge, complex new genus without an accompanying [mono-graph](#). Some problems also arose due to namespace collision when this merger was made. Most notably, there had previously existed both [Echinopsis bridgesii](#) and [Trichocereus bridgesii](#), which are very different plants. [Echinopsis bridgesii](#) is a short clumping cactus, whereas [Trichocereus bridgesii](#) is a tall columnar cactus similar to [E. \(or T.\) pachanoi](#). Under the new classification, [Trichocereus bridgesii](#) is known as [Echinopsis lageniformis](#).

Species

Note: some of the species listed below may be synonyms, subspecies, or varieties of others.

Echinopsis adolfriedrichii G. Moser	Echinopsis boyuibensis F. Ritter
Echinopsis amoenissima Werdermann	Echinopsis brasiliensis A. V. Frič
Echinopsis ancistrophora Spegazzini	Echinopsis bridgesii Salm-Dyck (not to be confused with <i>E. lageniformis</i> , which is also known as <i>Trichocereus bridgesii</i>)
Echinopsis angelesii (R. Kiesling) G. D. Rowley	Echinopsis bruchii (Britton & Rose) H. Friedrich & Glaetzle
Echinopsis antezanae (Cárdenas) H. Friedrich & G. D. Rowley	Echinopsis cabreræ (R. Kiesling) G. D. Rowley
Echinopsis apiculata Linke	Echinopsis caineana (Cárdenas) D. R. Hunt
Echinopsis arboricola (Kilmach) R. Mottram	Echinopsis cajasensis F. Ritter
Echinopsis arebaloi Cárdenas	Echinopsis calliantholilacina Cárdenas
Echinopsis atacamensis (Philippi) H. Friedrich & G.D. Rowley	Echinopsis callichroma Cárdenas
Echinopsis aurata Salm-Dyck	Echinopsis calochlora K. Schumann
Echinopsis aurea Britton & Rose	Echinopsis camarguensis (Cárdenas) H. Friedrich & G. D. Rowley
Echinopsis backebergia Werdermann	Echinopsis campylacantha Pfeiffer & Otto
Echinopsis baldiana Spegazzini	Echinopsis candicans (Salm-Dyck) F. A. C. Weber
Echinopsis berlingii Y. Ito	Echinopsis cardenasiana (Rausch) H. Friedrich
Echinopsis bertramiana (Backeberg) H. Friedrich & G. D. Rowley	Echinopsis caulescens (F. Ritter) M. Lowry
Echinopsis bolligeriana Mächler & Helmut Walter	Echinopsis cephalomacrostitas (Werdermann & Backeberg) H. Friedrich & G. D. Rowley
Echinopsis bonnieae (Halda, Hogan & Janeba) Halda & Malina	Echinopsis cerdana Cárdenas

Echinopsis chalaensis (Rauh & Backeberg) H. Friedrich & G. D. Rowley
Echinopsis chamaecereus H. Friedrich & W. Glaetzle
Echinopsis chereauniana Schlumb.
Echinopsis chiloensis (Colla) H. Friedrich & G. D. Rowley
Echinopsis chrysantha Werdermann
Echinopsis chrysochete Werdermann
Echinopsis cinnabarina (Hooker) Labouret
Echinopsis clavata (F. Ritter) D. R. Hunt
Echinopsis cochabambensis Backeberg
Echinopsis colmariensis Hort.
Echinopsis comarapana Cárdenas
Echinopsis conaconensis (Cárdenas) H. Friedrich & G. D. Rowley
Echinopsis coquimbana (Molina) H. Friedrich & G. D. Rowley
Echinopsis coronata Cárdenas
Echinopsis cotacajesii Cárdenas
Echinopsis crassicaulis (R. Kiesling) H. Friedrich & Glaetzle
Echinopsis cristata Salm-Dyck
Echinopsis cuzcoensis (Britton & Rose) H. Friedrich & G. D. Rowley
Echinopsis cylindracea (Backeberg) Friedrich
Echinopsis decaisniana Walp.
Echinopsis densispina Werdermann
Echinopsis derenbergii A. V. Frič
Echinopsis deserticola (Werdermann) H. Friedrich & G. D. Rowley
Echinopsis escayachensis (Cárdenas) H. Friedrich & G. D. Rowley
Echinopsis eyriesii Pfeiffer & Otto
Echinopsis fabrisii (R. Kiesling) G. D. Rowley
Echinopsis famatimensis (Spegazzini) Werdermann
Echinopsis ferox (Britton & Rose) Backeberg
Echinopsis formosa (Pfeiffer) Jacobi
Echinopsis friedrichii G. D. Rowley
Echinopsis gibbosa Pfeiffer
Echinopsis gigantea Rud. Meyer
Echinopsis gladiospina Y. Ito
Echinopsis glauca (F. Ritter) H. Friedrich & G. D. Rowley
Echinopsis glaucina H. Friedrich & G. D. Rowley
Echinopsis haematantha (Spegazzini) J. G. Lamb.
Echinopsis hahniana (Backeberg) R. S. Wallace
Echinopsis hamatispina Werdermann
Echinopsis hammerschmidii Cárdenas
Echinopsis hertrichiana (Backeberg) D. R. Hunt
Echinopsis hossei Werdermann
Echinopsis huascha (F. A. C. Weber) H. Friedrich & G. D. Rowley
Echinopsis huottii Labour.
Echinopsis hystrioides F. Ritter
Echinopsis ibicutensis Cárdenas
Echinopsis imperialis Hort.
Echinopsis jajoiana Hort.
Echinopsis jamessianus Hort.
Echinopsis kladiwaiana Rausch
Echinopsis klingleriana Cárdenas
Echinopsis knotti Schlumberger
Echinopsis knuthiana (Backeberg) H. Friedrich & G. D. Rowley
Echinopsis korethroides Werdermann
Echinopsis lageniformis (Forst.) H. Friedrich & G. D. Rowley (formerly *Trichocereus bridgesii*)
Echinopsis lamprochlora F. A. C. Weber
Echinopsis lateritia Gürke
Echinopsis leucantha Walpers
Echinopsis litoralis (Johow) H. Friedrich & G. D. Rowley (syn.: *E. chiloensis* (Colla) subsp. *litoralis* (Johow) Lowry)
Echinopsis lorethroides Werdermann
Echinopsis macrodiscus Frič
Echinopsis macrogona (S.D.) H. Friedrich & G. D. Rowley
Echinopsis mamillosa Gürke
Echinopsis marsoneri Werdermann
Echinopsis mataranensis Cárdenas
Echinopsis maximiliana Heyder
Echinopsis melanacantha A. Dietr.
Echinopsis meyeri Heese
Echinopsis mieckleyi Rud. Meyer
Echinopsis mihanovichii Frič & Gurcke
Echinopsis minuana Spegazzini
Echinopsis mirabilis Spegazzini
Echinopsis misleyi J. Labouret
Echinopsis molesta Spegazzini
Echinopsis nigra Backeberg
Echinopsis nigrispina Walp.
Echinopsis nodosa Linke
Echinopsis obrepanda (Salm-Dyck) K. Schum.
Echinopsis octacantha Muehlenpf.
Echinopsis oxygona Pfeiff. & Otto
Echinopsis pachanoi (Britton & Rose) H. Friedrich & G. D. Rowley
Echinopsis pampana (Britton & Rose) D. R. Hunt
Echinopsis pectinata Fennel
Echinopsis pelecygona Y. Ito
Echinopsis pentlandii (W. J. Hooker) Salm-Dyck ex A. Dietrich
Echinopsis peruviana (Britton & Rose) H. Friedrich & G. D. Rowley
Echinopsis picta Walp.
Echinopsis pojoensis Cárdenas
Echinopsis pseudomammillosa Cárdenas
Echinopsis pugionacantha Rose & F. Boedeker
Echinopsis pulchella Zucc.
Echinopsis quadratumbonata (F. Ritter) D. R. Hunt
Echinopsis reichenbachiana Pfeiff.
Echinopsis rhodotricha K. Schumann
Echinopsis riviere-de-caraltii Cárdenas
Echinopsis robinsoniana Werdermann
Echinopsis rubescens Backeberg
Echinopsis salmiana F. A. C. Weber
Echinopsis salpigophara A. C. Lemaire
Echinopsis saltensis Spegazzini
Echinopsis sanguiflora (Backeberg) D. R. Hunt
Echinopsis santaensis (Rauh & Backeberg) H. Friedrich & G. D. Rowley
Echinopsis schelhasii Pfeiff. & Otto
Echinopsis schickendantzii F. A. C. Weber
Echinopsis schieliana (Backeberg) D. R. Hunt
Echinopsis schoenii (Rauh & Backeberg) H. Friedrich & G. D. Rowley
Echinopsis schreiteri (Castellanos) Werdermann
Echinopsis scopa Carrière

[Echinopsis scopulicola](#) (F. Ritter) R. Mottram
[Echinopsis setosa](#) Linke
[Echinopsis silvestrii](#) Spegazzini
[Echinopsis simplex](#) Niedl
[Echinopsis skottsbergii](#) (Backeberg) H. Friedrich & G. D. Rowley
[Echinopsis smrzziana](#) Backeberg
[Echinopsis spachiana](#) (A. C. Lemaire) H. Friedrich & G. D. Rowley
[Echinopsis spegazzinii](#) K. Schumann
[Echinopsis sphacelata](#) Gravis
[Echinopsis spinibarbis](#) (Otto) A. E. Hoffmann
[Echinopsis strausii](#) Graessn.
[Echinopsis strigosa](#) (Salm-Dyck) H. Friedrich & G. D. Rowley
[Echinopsis subdenudata](#) Cárdenas
[Echinopsis sucrensis](#) Cárdenas
[Echinopsis tacaquirensis](#) (Vaupel) H. Friedrich & G. D. Rowley
[Echinopsis tacuarembense](#) J. Arechavaleta
[Echinopsis taratensis](#) (Cárdenas) H. Friedrich & G. D. Rowley
[Echinopsis tarijensis](#) (Vaupel) H. Friedrich & G. D. Rowley
[Echinopsis tarmaensis](#) (Rauh & Backeberg) H. Friedrich & G. D. Rowley
[Echinopsis tegeleriana](#) (Backeberg) D. R. Hunt
[Echinopsis tephracantha](#) Hort.
[Echinopsis terscheckii](#) (A. A. Parmentier) H. Friedrich & G. D. Rowley

[Echinopsis thelegona](#) (F. A. C. Weber) H. Friedrich & G. D. Rowley
[Echinopsis thelegonoides](#) (Spegazzini) H. Friedrich & G. D. Rowley
[Echinopsis thionantha](#) (Spegazzini) D. R. Hunt
[Echinopsis tiegeliana](#) (Wessner) D. R. Hunt
[Echinopsis trichosa](#) (Cárdenas) H. Friedrich & G. D. Rowley
[Echinopsis tricolor](#) A. G. Dietrich
[Echinopsis tuberculata](#) Niedt
[Echinopsis tubiflora](#) J. G. Zuccarini
[Echinopsis tucumanensis](#) Y. Ito
[Echinopsis tulhuayacensis](#) (Ochoa) H. Friedrich & G. D. Rowley
[Echinopsis tunariensis](#) (Cárdenas) H. Friedrich & G. D. Rowley
[Echinopsis uyupampensis](#) (Backeberg) H. Friedrich & G. D. Rowley
[Echinopsis vasquezii](#) (Rausch) G. D. Rowley
[Echinopsis vatteri](#) (R. Kiesling) G. D. Rowley
[Echinopsis verschaffeltii](#) Hort.
[Echinopsis volliana](#) (Backeberg) H. Friedrich & G. D. Rowley
[Echinopsis walteri](#) (R. Kiesling) H. Friedrich & W. Glaetzle
[Echinopsis werdermannii](#) Frič
[Echinopsis yuquina](#) D. R. Hunt
[Echinopsis zuccarini](#) Pfeiff. & Otto

Many hybrids exist, mostly between similar species but also between more distinct ones, such as the cross between *E. pachanoi* and *E. eyriesii* which was sold under the name "Trichopsis pachaniesii" by Sacred Succulents.

References

General references

[Edward F. Anderson](#), *The Cactus Family* (Timber Press, 2001) ISBN 0-88192-498-9, pp. 255–286
K. Trout, *Trout's Notes on San Pedro & related Trichocereus species (Sacred Cacti 3rd ed. Part B)* (Moksha Press, 2005)

External links

[Cactus Culture for Amateurs](#) by W. Watson (1889)
[SucculentCity: Plant Profiles, Photographs & Cultivation Data](#)
[Growing Trichocereus species \(Plot55.com\)](#)
[IPNI](#)
[Kuentz: Echinopsis \(in French\)](#)
[Lohmueller: Echinopsis](#)