

Current List of Cold Tolerant Cacti/Succulents in my Gardens

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Elevation: 5500'

Annual moisture: 15-20 inches

Zone: 5 (several Z6 and Z7 microclimates)

Littleton, Colorado

Cacti

Corynopuntia

clavata (large and small forms), bulbispina, moelleri, parishii

Cylindropuntia

imbricata (varieties and several forms), whipplei (several forms and hybrids), kleiniae, spinosior, acanthocarpa, echinocarpa.

Opuntia

atrispina, chisosensis, azurea (several varieties) dulcis, phaeacantha (several varieties and hybrids), woodsii, humifusa (several forms and hybrids), fragilis (many forms and hybrids), polyacantha (many varieties, forms and hybrids), macrorhiza (several forms and hybrids), aurea (several forms and hybrids), basilaris (several varieties and hybrids), engelmannii and vars., tortispina, macrocentra and vars., pottsii,

Coryphantha

scheerii, sulcata, species from Sierra de la Paila

Escobaria

vivipara (many so-called varieties and forms), missouriensis (several varieties), echinus, sneedii and var. leei, dasyacantha, robbinsorum.

Mammillaria

lasiacantha, heyderi and var. meiacantha, saboae.

Gymnocalycium

andreae, baldianum, bruchii, gibbosum (several varieties and forms including chubutense) calochlorum, uebelmannianum.

Echinocereus

adustus, coccineus (many varieties, forms and hybrids), cylindricus, carmenensis, chloranthus, russanthus (many varieties and forms), longisetus var. delaetii, fendleri (several varieties, forms and hybrids), dasyacanthus (several varieties and hybrids), enneacanthus and var. brevispinus, reichenbachii (many varieties, forms and hybrids), bonkerae, ledingii, knippelianus, laui, palmeri, sharpii, viridiflorus (several varieties, forms and hybrids)

Maihuenia

patagonica (several forms), poeppigii (several forms),

Maihueniopsis

darwinii (several varieties and forms), glomerata (many varieties and forms), ovata

Austrocactus

bertinii (several forms), coxii, aonikenkensis, longicarpus, several undescribed species.

Pterocactus

australis (several forms), fischeri, hickenii (two forms), tuberosus, valentini

Echinopsis (Lobivia)

aurea

Pediocactus

simpsonii (many forms), negrispinus

Orostachys (Crassulaceae)

spinosa, minuta, species NYBG, iwarenge, malacophyllous, japonica, several hybrids.

Rosularia (Crassulaceae)

Aizoon, chrysanthia, muratdagensis, platyphylla, sempervivoides, serpentina

Lewisia (Portulacaceae)

cotyledon (many hybrids, all colors), columbiana (and var. rupicola), spathulata (many hybrids), longipetala (several hybrids), rediviva, tweedy

Sempervivums and Jovibarbas

Around 70 species (I grow around 50) and thousands of cultivars. I like Jovibarba heuffelii and its hybrids the best—slower growing, rosettes don't die after blooming

Sedums

All U.S. species and most Old world species are cold tolerant. Many new hybrids are coming out each year. I grow many species and dozens of hybrids with minimal ca

Mesembs (Aizoaceae)

Aloinopsis

luckhoffii, malherbei, orpenii, rosulata, rubrolineata, spathulata (many hybrids),

Bergeranthus

artus, katbergensis, jamesii

Cheiridopsis

namaquensis

Ebracteola

wilmaniae

Hereroa

calycina, glenensis, several unidentified species

Marlothistella

uniondalensis

Nananthus

aloides, broomii, pole-evansii, transvaalensis (several hybrids)

Khadia

alticola

Rabiea

albinota, albipuncta, difformis (hybrids amongst all three), several undescribed species.

Ruschia

hamata, indurate (small and large form), laxipetala, spinosa

Deilanthus

peersii, thudichumii

Delosperma

alpina, ashtonii, basuticum, cooperi (several forms and hybrids), congestum, nubigerum (several forms and hybrids), spahalmanthoides, sutherlandii, many hybrids of uncertain parentage

Miscellaneous

Phemeranthus (Talinum), tiny perennial portulaca's, hard to find, P. spinescens, brevifolia, pariviflorum, calycinum, calcarius are all easy to grow. Cotyledon orbiculata is an exciting

new cold tolerant succulent. The particular form I grow is from 8,000' in Lesotho. Lowland forms are not hardy. *Euphorbia clavarioides* var. *truncate*, only cold hardy succulent euphorbia so far.

Agaves

parryi (several varieties and forms), *utahensis* (all varieties, many forms), *lechuguilla*, *mckelveyana*, *toumeyana* and var. *bella*, *chrysantha*, *havardiana*, *arizonica*, several on trial for hardiness.

Nolina

microcarpa, *greenii*, *texensis*, *lindheimeri*

Yucca

baccata and var. *vespertina*, *glauca*, *glauca* hybrids, *neomexicana*, *nana*, *harrimannii*, *schottii*, *truculeana*, *rostrata*, *brevifolia*, *rigida*, *faxoniana*, *utahensis*

Miscellaneous

Aloe broomii, *aristate*, *ecklonis*; *Dasylyrion texensis*, XMangave 'Whale Tale', 'Inca Warrior', 'Navajo Princess', 'Spot'.