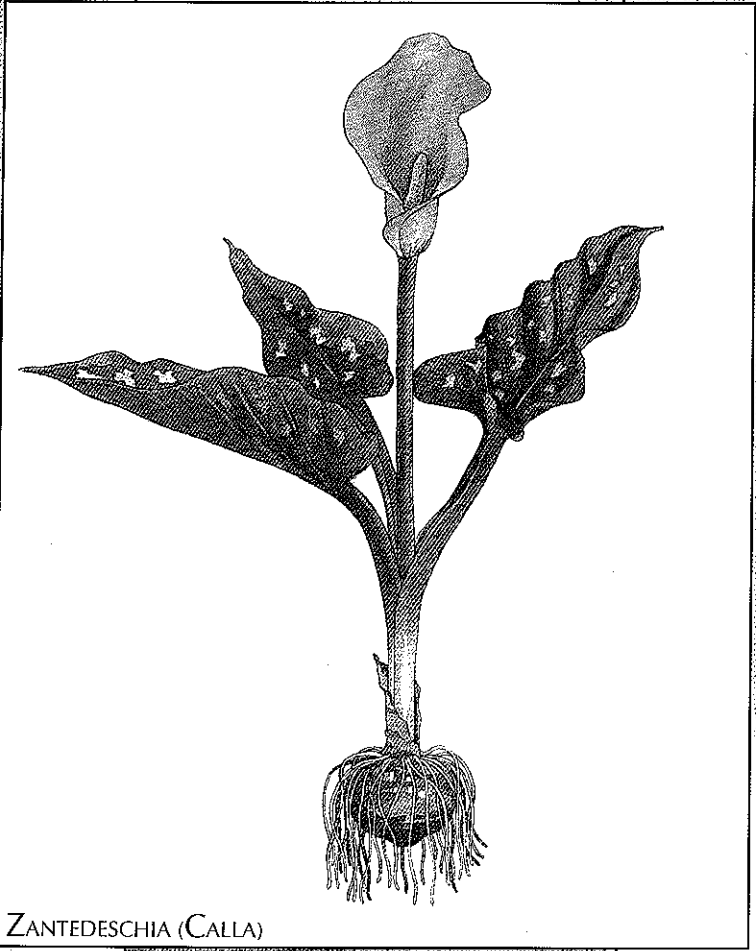


ZANTEDESCHIA



ZANTEDESCHIA (CALLA)

ARACEAE

ZANTEDESCHIA

PLANT

FAMILY

Zantedeschia

Araceae

common name: Calla lily

POSSIBLE APPLICATIONS

Varieties	Cut Flower	Pot Plant	Garden Plant	Naturalizing
Large-flowering: Z. albomaculata	++	++	++	—
'Elliottiana'	++	++	++	—
'Solfatare'	++	++	++	—
Small-flowering: Z. rehmannii*	++	++	++	—

* Hybrids of *Z. rehmannii*
e.g.: 'Cameo', 'Galaxy', 'Black Eyed Beauty'

GENERAL

- ▶ **plant habit**
 - height 0,20 - 1 m
 - flower colour and shape various colours. Funnel-shaped, coloured spathe contains the spadix.
 - leaf colour and shape evenly green or speckled. Leaves are spear-shaped.
- ▶ **original habitat** South Africa
- ▶ **climatic preference** temperate, warm
- ▶ **type of bulb** (perennial part of the plant) irregularly shaped rhizomes
- ▶ **winter hardiness** no

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ZANTEDESCHIA

▶ sizes available + flower production	12-14, 14-16, 16, 20, 20 cm and up
▶ period of availability	January - May
▶ method of storage	dry, at an uninterrupted temperature of 13°C. Store loose in trays with plenty of ventilation. Consumer units in perforated sacks in wood shavings.

CUT FLOWER CULTIVATION

GENERAL

degree of difficulty	normal
assortment	large-flowering, small-flowering
type of soil	light, well-drained. Grows in all soil types.
fertilizer	Keep percentage of N low. (or will have increased risk of Erwinia bacteria.)
planting depth	7-10 cm soil covering the rhizome. (The roots develop on top of the rhizome and grow in fan shapes downward.)
watering	regularly but not too much
plant protection	Control for Botrytis and thrips.
flower production	depending on the species and treatment, 1-5 flowers per rhizome
cutting stage	when pollen is visible in the flower
post harvest treatment	30 g sugar + 1 g benomyl (Benlate) of iprodion (Rovral)/ litre of water.

EARLY FORCING UNDER GLASS

GENERAL

degree of difficulty	difficult
varieties	a range of shorter hybrids
storage	dry in trays with plenty of ventilation at 13°C
planting period	from December to August in North America
planting density	12-14 cm: ± 24 rhizomes per m ² 20 cm and up: ± 12 rhizomes per m ²
size of bulb	12-14 cm to 20 cm and up
glasshouse climate	as cool as possible during the night (no higher than $\pm 15^{\circ}\text{C}$ in order to bring the flowers up to a good colour). During sunny days, 20-25°C with plenty of ventilation. After August 1, additional light must be provided.
flowering period	If planted in mid-December - January, flowering begins in late March/early April. Flowering takes place ± 3 months after planting in the cold months but takes only 60-70 days in the summer months.

OUTDOOR CULTIVATION

GENERAL

degree of difficulty	easy
varieties	wide range all varieties
planting period	mid-April - June 1
planting density	12-14 cm: 30 per m ² 20 cm and up: 16 per m ² size of bulb 12-14 to 20 cm and up
flowering period	2½ to 3 months after planting

EARLY FORCING UNDER GLASS

GENERAL

degree of difficulty	easy. Latest planting date is August 1.
varieties	the medium-tall varieties
planting period	July - August
planting density	12-14 cm: 24 per m ² 20 cm and up: 12 per m ²
size of bulb	12-14 to 20 cm and up
glasshouse climate	cool at night; ventilate at 15°C. After August 1, provide additional light.
flowering period	± 2½ - 3 months after planting

CULTIVATION IN POTS

GENERAL

degree of difficulty	normal
varieties	short and medium-tall varieties e.g. 'Golden Sun', 'Maroon Dainty', 'Lavender Petite', and 'Galaxy'
storage	dry in wire mesh trays with plenty of ventilation, at 13°C
bulb size	at least 14-16 cm
watering	normal at regular intervals. Do not allow soil to become too wet.
glasshouse	climate cool at nights: 15°C
growth inhibiting	paclobutrazol (Bonsai), 2 to 4 mg/pot with plenty of water
plant protection	± every 10 days: Zn/Mn + benomyl (Benlate)

ZANTEDESCHIA

type of soil	light potting compost
planting depth	up to 1/3 of the pot size
planting period	December - August
number per pot	1 rhizome per pot
keeping quality	fairly good. When the plant displays 1 flower bud it is ready to market.
location/climatic preference	living room of the home or around the house in bowls or containers. Or planted at grave sides.

BEDDING AND GARDEN PLANTING

GENERAL

degree of difficulty	easy
varieties all	varieties
type of soil, drainage	all soil types provided they have good drainage
planting period	April - May
winter hardiness	no
location	can be planted anywhere
planting depth	7-10 cm soil covering the rhizome
planting density	± 6 per m ²
flowering period	± 3 months after planting

RECOMMENDED PLANT COMBINATIONS (MIXED PLANT BORDERS)

Examples of bedding and garden applications

Species	Border	Beds	Perennial Garden	Container	Naturalizing
Large flowering	++	+	++	++	--
Small flowering	++	++	++	++	--

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