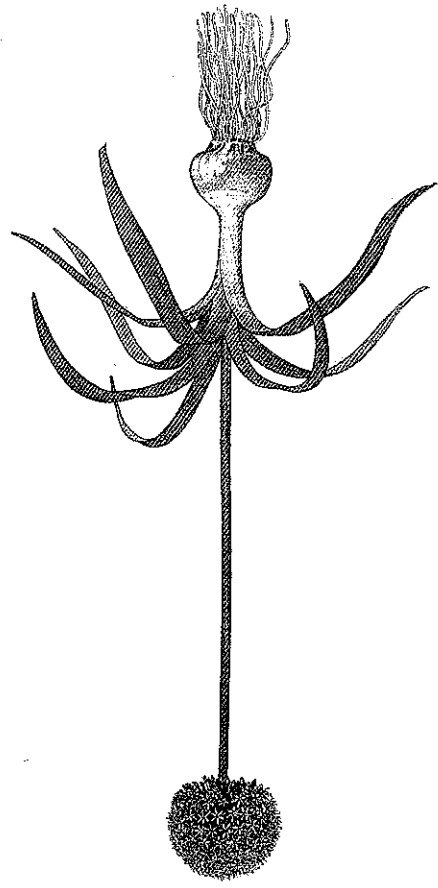


LILIACEAE

ALLIUM GIGANTEUM



ALLIUM

3

LILIACEAE

Allium

PLANT

Liliaceae

FAMILY

common name: Ornamental onion

POSSIBLE APPLICATIONS

Genus	Cut flower	Pot Plant	Garden Plant	Naturalizing
Allium "most species"	++	--*	++	++

*) some exceptions

A. afflatunense	80-90	pink/violet	from 9	end May, early June
A. atropurpureum	40-70	red-purple/purple	from 6	June
A. cernuum	35-40	pink/red-purple	as small plants	May/June
A. christophii	40-50	metallic/violet	from 9	mid-June
A. cowanii	35	white	from 4	end of May
A. giganteum	125-150	mauve	from 18 and up	July
A. karataviense*	20	dull white	from 9	June
A. maclearii	100-125	pink/violet	from 16 and up	end May/early June
A. moly	25	yellow	from 4	June
A. neapolitanum	20-30	white	from 4	May/June
A. nigrum	60-90	dull white	from 8 and up	June
A. oreophilum	10-15	red-purple	from 3½	June
A. roseum	35	pink to white	from 3½	June
A. schubertii	40	pink	from 12 and up	June/July
A. sphaerocephalon	50-70	dark purple	from 4	July
A. stipitatum	125-150	violet	from 16 and up	May/June
A. triquetrum	20	white	from 5 and up	May
A. unifolium	35	bright pink	from 4 and up	June
A. ursinum	15-20	white	1	April/May

- ▶ **plant habit**
 - height
 - flower colour and shape
 - leaf colour and shape
- ▶ **original habitat**

varies with variety
 more or less globe shaped umbel
 green, parallel veined, linear leaf
 southern Europe, Asia Minor and
 central Asia, western North
 America
- ▶ **climatic preference**

cool, temperate
- ▶ **type of bulb (perennial**

part of the plant)
- ▶ **winter hardiness**

good
- ▶ **sizes available +**

3-4 to 24 cm and up, depends on
 the variety
- ▶ **period of availability**

July - December
- ▶ **method of storage**

dry, at 20°C, loosely stored in trays

CUT FLOWER CULTIVATION

GENERAL

- ▶ **degree of difficulty**

normal
- ▶ **varieties**

see possible applications, with the exception of
 A. karataviense, which is suitable for pot plant
 cultivation
- ▶ **type of soil**

all soil types
- ▶ **fertilizer**

5-7 kg NPK compound fertilizer (12-10-18)
 per 100 m²

ALLIUM

planting depth large bulbs: \pm 10 cm soil covering the bulb
small bulbs: \pm 5 cm soil covering the bulb

watering normal watering as required

plant protection Plants such as ornamental leek, onion and garlic should not be planted more than once in the same location because of possible problems with white rot.

protection from frost If grown on a sandy soil, a light cover of straw is necessary.

flower production 1 flower per bulb

cutting stage 1/3 to 1/4 of the flowers must be open.

post harvest treatment Place in chlorinated water.

GENERAL

EARLY FORCING UNDER GLASS

degree of difficulty normal

varieties A. affatunense, A. cowanii, A. sphaerocephalon
storage 20°C followed by 12 weeks at 2-5°C before planting

planting period December. If bulbs have not undergone cold storage, plant in: October-November.

planting density large bulbs: 64 bulbs per m²

size of bulb depending on variety

glasshouse climate ventilate at temperatures of 15-16°C, ideal forcing temperature is 12-14°C

flowering period early April - end of July

ALLIUM

BEDDING AND GARDEN PLANTING

GENERAL

degree of difficulty	easy
varieties	many cultivars
type of soil, drainage	all soil types
planting period	October - November
winter hardness	moderate, cover in case of heavy frost
location	sunny/half shade
planting depth	- large bulbs: 10-12 cm soil covering the bulb - small bulbs: ± 5 cm soil covering the bulb
planting density	- large bulbs: 2 to 3 together at a distance of 15-25 cm, according to species - small bulbs: 6 to 10 cm from each other and planted in larger groups
flowering period	May - July

RECOMMENDED PLANT COMBINATIONS (MIXED PLANT BORDERS)

Species	Border	Beds	Perennial Garden	Container	Naturalizing
Allium	++	++	++	—*	++

Examples of bedding and garden applications

*) low-growing species

Additional information regarding planting and maintenance in special locations:

Can be combined with an underplanting. Allium does not bloom until the end of the growing period at which time the foliage begins to wither and no longer has any ornamental value.

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