

annual  
1500 s/gr  
Seed form normal seeds

### CUT FLOWER CULTURE

**culture** greenhouse/open field

**sowing method** DS/TP

**sowing season**

spring to mid summer

**germ temp.** 18-24°C (64-75°F)

**growing temp.** 16-21°C (61-70°F)

**plug crop time**

2 - 3 weeks

**crop duration**

8 - 10 weeks from planting

**seed requirement**

DS 0,15 gr/m<sup>2</sup>

**pests/diseases**

Botrytis - treat preventively with a fungicide.

**fertilization (f)**

Low requirement of NPK fertilizer, low on N.

### SOWING DETAILS

• Directseeding (DS):  
sow : 0,15 gr/m<sup>2</sup>  
in rows: (see density)  
If necessary, thin plants to max. 5 cm apart

• Pre-sow and transplant (TP):  
sow : 1 seed per plug (tray 288)

soil : well-drained fertile soil  
pH 5 - 6,5  
cover: no or light cover

days 3 - 5  
(m) level 3 -4  
(t) 18-24°C (64-75°F)  
(l) 75.000 lux (7,000 fc)

days 6 - 14  
(m) level 3-4  
(t) 15-18°C (59-54°F)  
(l) 75.000 lux (7,000 fc)  
(f) < 100 ppm N, 0.7 EC  
gradually increasing to  
100 - 175 ppm, 0.7 - 1.2 EC

When sown in plugs, transplant after 2-3 weeks

### GROWING ON

**soil/media**

well-drained fertile soil,  
pH 5 - 6,5

**netting**

Support is advised

**pinching**

Pinching is not necessary.

**plant density**

A. caudatus: 40 cm between rows  
A. cruentus: 30 cm between rows  
A. hypoch. : 25 cm between rows

**moisture (m)**

Minimize overhead irrigation in order to avoid the flower heads to become top heavy and fall.

**temperature (t)**

Optimum growing temperature is 16-21°C (61-70°F).

**light (l)**

75.000 lux (7,000 fc), full sun

### CULTIVATION TIPS

- For dryflower use, sow 0,5 gr/m<sup>2</sup>.  
- Sow at intervals from spring to the longest day to spread the harvest.

### NOTE

Grow rather densely in order to restrain the plant size.

### HARVEST

Harvest when flowers are mature.  
For post harvest treatments, see:  
[www.vbn.nl/en/longevity](http://www.vbn.nl/en/longevity) or  
[www.vbn.nl/houdbaarheid](http://www.vbn.nl/houdbaarheid)

moisture levels (m): 1 = dry 2 = normal to dry 3 = normal 4 = moist 5 = wet

This information is for general guidance only, and is in some cases specific for West European conditions. No guarantee is given for the result of the crop, nor is liability accepted for the consequences of applying the indications given.