

annual  
20.000 s/gr  
Seed form      pelleted seed

## Lisianthus F1

### CUT FLOWER CULTURE

**culture**                    greenhouse  
**sowing method** TP  
**sowing season**  
year round  
**germ temp.**            \* 20-22°C (68-72°F)  
**growing temp.**      20-24°C (68-75°F)  
**plug crop time**  
11- 13 weeks  
**crop duration**  
10-12 weeks from planting (summer).  
14-18 weeks from planting (winter).  
**seed requirement**  
1250 seeds for 1000 plants

#### pests/diseases

Aphids, leaf miners, thrips, whitefly, caterpillars. Botrytis, Phytophthora, Fusarium, false mildew, Rhizoctonia, Sclerotinia. Preventative treatment is advised.

#### fertilization (f)

Normal to high requirement. Fertilize regularly with calcium nitrate-based fertilizer at 100-200 ppm N, 1.5 EC. Discontinue fertilizer applications when buds become visible.

### SOWING DETAILS

initial sowing media:  
sterile sowing mix, pH 6,5-7.2 and EC 0.8-1.0 mmhos/cm  
sow : 1 seed/plug (406 cell tray)  
cover: no or light cover  
          with fine vermiculite  
  
days 1 - 21\*  
Place the trays in a cool cell at 5-8°C for approx. 3 weeks  
(m) level 4  
(t) 5-8°C (41-46°F)  
(f) < 100 ppm N, < 0.7 EC  
  
Avoid high temperatures after emergence (> 28°C (82°F)) in group I and II in order to avoid rosetting and causing stunted young plants.  
  
days 22 - 35  
(m) level 4  
(t) 20-22°C (68-72°F)  
(l) 11.000-27.000 lux (1000-2500 fc)  
(f) 100-175 ppm N, 0.7-1.2 EC  
  
days 36 - 70  
(m) level 3  
(t) 17-20°C (63-68°F)  
(l) 27.000-54.000 lux (2500-5000 fc)  
(f) 75-225 ppm N, 1.2 -1.5 EC  
  
days 71 - 77  
Seedlings should have 4 true leaves. Timely transplant will ensure an active root system. Transplant of older plugs may cause shorter stems and premature flowering.

### GROWING ON

**soil/media**  
well-drained, light, fertile soil  
pH 6,5-7.2, 0.8-1.0 EC  
**netting**  
One or two layers netting are advised.  
**pinching**  
Optional. Pinch after second leaf pair when plants start to elongate.  
**plant density**  
Non-pinched:  
65-86 plants/m<sup>2</sup> (6-8 plants/ft<sup>2</sup>).  
Pinched: 32-40 plants/m<sup>2</sup> (3-4 pl/ft<sup>2</sup>)  
**moisture (m)**  
Dry only slightly between water supply. Switch to drip irrigation when foliage grows. Soil should not dry out when plants start flowering.  
**temperature (t)**  
Day: 20-24°C (68-75°F). Night: 16-18°C (60-65°F). Provide good air circulation. Avoid low light levels and excessive humidity (optimum RH is 80%).

#### light (l)

Facultative long day. > 14 hours will accelerate flowering. Full sun produces shorter stems. Shade when necessary (especially in the first two weeks after planting).

### CULTIVATION TIPS

\* For optimum emergence and quality the seed trays are placed in a cool cell at 5-8°C (41-46°F) for 3 weeks.  
- Soil should be decontaminated (steam) before planting.  
- Note: seedlings are very slow to grow; prevent algae growth over the trays.

### NOTE

- Irrigate the soil prior to planting, and see to it that the plugs are well-moistened.  
- Crop time depends on series, season, temperature, (HID) lighting and greenhouse conditions.

### HARVEST

Harvest when 2 or 3 flowers are open. Harvest in the morning when still cool. Lisianthus is not ethylene sensitive. 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)

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.