

annual
20.000 s/gr

CUT FLOWER CULTURE	SOWING DETAILS	GROWING ON
<p>culture greenhouse</p> <p>sowing method TP</p> <p>sowing season year round</p> <p>germ temp. * 20-22°C (68-72°F)</p> <p>growing temp. 20-24°C (68-75°F)</p> <p>plug crop time 11- 13 weeks</p> <p>total crop duration 21 - 30 weeks (dep. on time of year)</p> <p>seed requirement 1250 seeds for 1000 plants</p> <p>pests/diseases Aphids, leaf miners, thrips, whitefly, caterpillars. Botrytis, Phytophthora, Fusarium, false mildew, Rhizoctonia, Sclerotinia. Preventative treatment is advised.</p> <p>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.</p>	<p>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</p> <p>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</p> <p>Avoid high temperatures after emergence (> 28°C (82°F)) in group I and II in order to avoid rosetting and causing stunted young plants.</p> <p>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</p> <p>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</p> <p>days 71 - 77 Seedlings should have 4 true leaves. Transplant timely. Transplant of older plugs may cause shorter stems and premature flowering.</p>	<p>soil/media well-drained, light, fertile soil pH 6,5-7.2, 0.8-1.0 EC</p> <p>netting One or two layers netting are advised.</p> <p>pinching Optional. Pinch after second leaf pair when plants start to elongate.</p> <p>plant density Non-pinched: 65-86 plants/m² (6-8 plants/ft²). Pinched: 32-40 plants/m² (3-4 pl/ft²)</p> <p>moisture (m) Dry only slightly between water supply. Switch to drip irrigation when foliage grows. Soil should not dry out when plants start flowering.</p> <p>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%).</p> <p>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).</p>

CULTIVATION TIPS	NOTE	HARVEST
<p>* For optimum emergence and quality the seed trays are placed in a cool cell at 5-8°C (41-46°F) for 3 weeks.</p> <p>- Soil should be decontaminated (steam) before planting.</p> <p>Seedlings are very slow to grow; prevent algae growth over the trays.</p>	<p>- Irrigate the soil prior to planting, and see to it that the plugs are well-moistened.</p> <p>- Crop time depends on series, season, temperature, (HID) lighting and greenhouse conditions.</p>	<p>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 or www.vbn.nl/houdbaarheid</p>

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.