



Cultivation Manual

Garvinea®



Substrate for transplanting

- Use a well draining, coarse substrate for succesful rooting
 - pH between 5,5 - 5,8
 - EC around 1,0 - 1,5
- Watch the pH, a high pH can cause chlorotic leaves



Pots

The young plant can be transplanted in 9 - 21 cm / 3,8 - 8" pots. Transplant the plant in the center of the pot, with the top of the plug leveling the surface of substrate. Use pots with at least 4 drainage holes and a lip. After transplanting, place the pots pot-tight for an optimal micro-climate.



Spacing

As soon as the leaves touch, the plants can be spaced. This is approximately 5 weeks after transplanting.

Average pot size:	13 - 19 cm / 5 - 7
Transplanted:	50 plants per m ² / 5 per ft ²
spaced:	10 plants per m ² / 1 per ft ²

Irrigation

Start with overhead irrigation for strong root development. When the flower buds appear, ebb/flow or drip tubes are preferred.

Irrigation timing:
In the morning

Watering:
Gerbera prefers a moderate to dry soil condition.

Finishing

Around 6 - 7 weeks after transplanting the first flowers will appear.

Recommended fertilizer

pH	NH ₄	K	Ca	Mg	NO ₃	Cl	SO ₄	P	Fe	Mn	Zn	B	Cu	Mo
5,7	ppm 9 ↑	ppm 196	ppm 188	ppm 44	ppm 682	ppm 60	ppm 192	ppm 56	ppm 2,24	ppm 0,27	ppm 0,33	ppm 0,38	ppm 0,06	ppm 0,10

depending on pH and water quality

EC

Start phase 1 - 6 weeks: 1,5 - 2,0

Flowering phase: 2,0 - 2,8

Or use a basic NPK fertilizer, such as: 18 - 9 - 18 or 17 - 5 - 17 with added micro elements.

General remarks

Irrigation management is key. Overwatering is a common cause of low and high crop losses.

Garvinea can be produced at relatively low temperatures and little to no intervention of pesticides.

There is no need for Plant Growth Regulators.

For custom growing recommendations based on your specific environment please contact your representative at HilverdaFlorist.



Optimal climate

The drop in night temperature allows the plant to set several buds and finish with a full canopy of colour.

During the dark winter times artificial lighting is recommended to maintain the product quality. Add approx. 5.500 lux (510 f.c.) to ensure optimal light levels.

1 - 3	day & night 15 - 20°C / 59 - 68°F	< 80%	300 Watt/m ² 30.000 Lux / 2.750 f.c
4 - 6	day & night 12 - 18°C / 54 - 64°F	< 80%	300 Watt/m ² 30.000 Lux / 2.750 f.c
7 - 12	day 8 - 18°C / 46 - 64°F night 8 - 12°C / 46 - 54°F	< 80%	300 Watt/m ² 30.000 Lux / 2.750 f.c

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The guidelines in this manual are based on North European climate conditions and can be used as a starting point. Crop times may vary depending on the climate, location, time of the year and greenhouse environmental conditions.