



Cultivation Manual

Flori Line®



Substrate for seedlings

Use a well draining, moist, substrate when sowing Gerbera seeds in the plugs, pH between 5,5 - 5,8, EC around 0,7 - 1,0. Adding 15% Perlite is recommended.

Substrate for transplanting

Use a well draining substrate pH between 5,5 - 5,8, EC around 1,0 - 1,2. Adding 20% Perlite is recommended.

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. The crops should be dry when the light falls, to avoid fungal/root problems.

Watering:

During the germination phase (4 to 6 days) keep the soil moist. After germination Gerberas prefer a moderate to dry soil condition.



Pots

Sow Flori Line® in paper plugs (tray size: 144 to 128 cells) with a coarse substrate for successful germination and rooting. Transplant the seedlings 6 weeks after sowing in 6 - 15 cm / 2,5 - 6" 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.

General remarks

- Irrigation management is key. Overwatering is a common cause of low germination and high crop losses.
- There is no need for Plant Growth Regulators.
- Common challenges: leaf miner, broad mites/cyclamen mites, aphids and pythium.
- For custom growing recommendations based on your specific environment please contact HilverdaFlorist.

Recommended fertilizer

EC	pH	NH ₄ ppm	K ppm	Ca ppm	Mg ppm	NO ₃ ppm	CI ppm	SO ₄ ppm	P ppm	Fe ppm	Mn ppm	Zn ppm	B ppm	Cu ppm	Mo ppm	
1,8 ↓ 2,5	5,7	9 ↑	196	188	44	682	60	192	56	2,24	0,27	0,33	0,38	0,06	0,10	
		depending on pH and water quality														

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

Optimal climate

plug 1 - 6	24 > 19°C 75 > 66°F	99 > 75%	200 > 450 Watt/m ² 20.000 > 45.000 lux / 1.800 > 4.100 f.c.
start 1 - 4	19 - 20°C 66 - 68°F	80%	350 Watt/m ² 35.000 lux / 3.200 f.c.
vegetative 5 - 9	17 - 19°C 63 - 66°F	75%	450 Watt/m ² 45.000 lux / 4.100 f.c.
flowering 10 - 12	12 - 17°C 54 - 63°F	70%	450 - 550 Watt/m ² 45.000 54.000 lux / 4.100 - 5.000 f.c.



Spacing

To prevent stretching of the leaves, we advise spacing of the pots approx. 3 weeks after transplanting or when the leaves touch.

pot	10 cm / 4 inch		12 cm / 4,5 inch		15 cm / 6 inch	
	m ²	ft ²	m ²	ft ²	m ²	ft ²
pot - tight	100	10	69	6,9	43	4,3
spaced	33	3,3	23	2,3	15	1,5

Finishing

Timetable after transplanting, depending on environmental conditions and pot size:

Maxi	
	12 - 17 cm / 4,5 - 6"
in summer	8 - 9 weeks
in winter	9 - 11 weeks

Midi	
	10 - 13 cm / 4 - 5"
in summer	8 - 9 weeks
in winter	9 - 11 weeks

Mini	
	9 - 12 cm / 3,5 - 4,5"
in summer	7 - 8 weeks
in winter	8 - 10 weeks

Micro	
	5 - 12 cm / 2 - 5"
in summer	7 - 8 weeks
in winter	8 - 10 weeks



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.