



CROP MANUAL

Leucanthemum maximum







Central Europe



Western Star

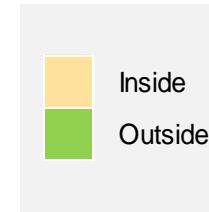
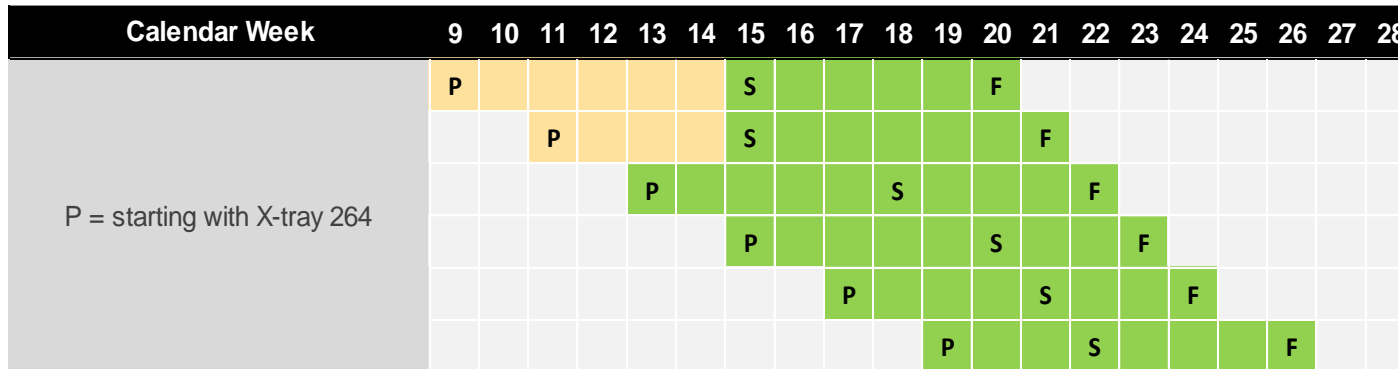
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Finished Plant **Leucanthemum**

Series 	Type 	Leaf colour 	Pot size 	Plants/pot	Potting week	Flowering weeks
Western Star Leo	cutting	dark green	12–14 cm	1-3	9-23	June - August
Western Star Taurus & Libra	cutting	dark green	15–19 cm	1-3	9-23	June - August
Western Star Vanilla	cutting	dark green	12–19 cm	1-3	9-23	June - August

Remarks

Next to Western Star Series also available: Broadway Lights - light yellow flowers on dark green leaves, 2 to 4 weeks later than Western Star, only for 15 to 19 cm pot



Cultivation Advice

"Taurus" and "Libra" for bigger pots (15 to 19 cm), "Leo" for smaller pots (12 to 14 cm). Taurus and Libra can fill 19 cm pot with 1 YPL (X-tray 128) but have to be pinched, 3 YPL for a premium product without pinching (earlier flowering). New "Vanilla" is a medium type. Light yellow can turn into white in difficult circumstances (e.g. too much radiation).
Outdoor production from week 15-16 onwards gives much more compact, "strong" quality than finishing indoor. Finishing indoor needs more PGR. Complete outdoor production works well without PGR.



Fertilization & Substrate

Well drained substrate, 3-4 kg slow release fertilizer



Spacing

Spacing as soon as possible, especially when starting early in greenhouse.



Light

Always full sunlight but be aware of Vanilla: Color might switch to white in case of too much radiation



Pests

Aphids, Spider Mites, Thrips



Diseases

Powdery Mildew






Recommendations

Culture guideline subject to temperature





Culture week	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Handling	P		S	S				F	F	F	F	F		
Temperature D/N	protect against frost													
Light	not required													
Shading	full sun, after hardening off, plants can handle full sunlight													
Humidity	<80%													
Moisture	3													
pH	5,8–6,8													
EC growing medium 1: 1.5 volume extraction in water	1,25 - 1,50 mS/cm													
EC feeding in mS/cm	1,5-2,0 mS/cm													
Fertilizer	NPK 10-52-10						NPK 18-10-18							

Legend







Soil moisture level

	5 saturated: water is easily observed. When the substrate is touched, water moves out freely from top to bottom.
	4 wet: water is not easily observed. When the substrate is touched, there is very little movement of water from top to bottom.
	3 moist: the substrate is black but not glistening. When the substrate is touched, there is water, but virtually no water movement.
	2 medium: the substrate turns from dark to medium brown. There is no water movement when touched.
	1 dry: the substrate changed color to very light brown.








Culture stages Cuttings / Seeds

	callus development / germ1, radicle emergence
	root development / germ2, cotyledon expansion
	leaf development / plug bulking
	plug finishing / plug finishing










EC zones feeding mS/cm

	1 0,5–1,0 mS/cm
	2 1,0–1,5 mS/cm
	3 1,5–2,0 mS/cm
	4 2,0–2,5 mS/cm
	5 2,5–3,0 mS/cm
	6 3,0–3,5 mS/cm







EC zones growing medium mS/cm (Sonneveld 1:1,5)

	1 0,5–0,75 mS/cm
	2 0,75–1,0 mS/cm
	3 1,0–1,25 mS/cm
	4 1,25–1,5 mS/cm
	5 1,5–1,75 mS/cm
	6 1,75–2,0 mS/cm
	7 2,0–2,25 mS/cm




Temperature zones

	1 0–5°C
	2 5–8°C
	3 8–12°C
	4 12–14°C
	5 14–16°C
	6 16–18°C
	7 18–20°C
	8 20–22°C
	9 >22°C

Light zones

	1 total darkness
	2 short day <12 h/short day treatment
	3 shaded
	4 no-shading / natural light
	5 supplemental light > 14 h/long day treatment
	6 night interruption

Shading

	1 shading > 250 W/m ²
	2 shading > 450 W/m ²
	3 shading > 750 W/m ²

ST	sticking URC	PC	plastic cover
RD	root development	L	lift cover
SC₀	sowing no Vermiculite cover	G	gapping
SC₁	sowing plus light Vermiculite cover	TP	transplanting
SC₂	sowing plus medium Vermiculite cover	T	ypl transplanting
SC₃	sowing plus thick Vermiculite cover	C	cover to protect from frost
RE	radicle emergence	PGR	PGR treatment (spray)
Cot	cotyledon	PD	PGR treatment (drench) or heavy spray
M₁	mist day and night	>C	pinch
M₂	mist day – dry night	DB	disbud
W	end mist	P	potting
FC	fleece cover	S	spacing
PC	plastic cover	F	flowering
		LF	leaf removal and maintenance