

CLEOME HASSLERIANA (SPINOSA)



Central Europe
North Europe








Kleio

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Finished Plant Cleome

Cleome finished pot 12 cm

North and Central Europe

Varieties 	Type 	Leaf colour 	Pot size 	Plants/m ² finished 
Kleio	compact	green	12 cm	30 plants/m ²
Kleio	compact	green	15 cm	20 plants/m ²
Kleio	compact	green	17 cm	12 plants/m ²

Calendar week	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
<p>Scheduling from standard rooted material with 1 x pinched. For 17cm pot please calculate about 14 days longer, because of 2 x pinching!</p>	P		✕								F										
		P		✕								F									
			P		✕								F								
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												P		✕							F
														P		✕					

Cultivation Advice



Fertilization & Substrate

keep the EC level of the growing media in the range of 1.2 with the N:K relation of 1:1. After 3-4 weeks increase the EC level in the range of 1.5 to 1.7 and change the N:K relation to 1:1,5



Spacing

Spacing on time during the culture period is crucial to avoid stretched and uncontrollable growth.



Light

Cleome need always as much as possible light



Irrigation

if the culture is too wet it can happen that Corking on the underside of leaves occur.

These are, to burst cells, the one Form wound tissue. These pustules occur when there is a too high humidity . Through an airy and dry culture guide this physiological damage can be avoided on). Caution: the symptoms will be mistaken for thrips damage!



PGR Applications

it's possible to applicate Daminozide (B9/ Alar) and Paclobutrazol (Bonzi)

Please refer to local registration.



Pests & Diseases

common pests: Aphids, Thrips, leafminer, Whitefly
common Diseases: Botrytis, Powdery Mildew






Cleome finished plants continued

Culture guideline at optimum average daily temperature 14 - 16°C:





	Culture week	1	2	3	4	5	6	7	8	9	10
Handling					S						
PGR				PGR							
Temperature D/N		16 - 18°C		12 - 16°C							
Light		full sun									
Shading		☀									
Humidity		50-70%									
Moisture		3 - 2									
pH		5,5 - 5,8									
EC growing medium		1,2 mS/cm			1,5 - 1,75mS/cm						
EC feeding in mS/cm		1,5 mS/cm			2,0 mS/cm						
Fertilizer		N : K 1 : 1				N : K 1 : 1,5					

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/m2
	2 shading > 450 W/m2
	3 shading > 750 W/m2

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