



Saxifraga x arendsii



Central Europe



Saxifraga x arendsii Alpino Early - Alpino
and Touran Cuttings

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Cultivation Advice

Place the cuttings under a low misting regime for the first seven to 10 days of propagation. Propagate under high humidity levels (90 percent relative humidity) with minimal misting. At seven to 10 days after sticking, apply water-soluble fertilizers using 75- to 100- N at each irrigation beginning. The misting can gradually be reduced as the cuttings form callus and root primordia. Remove the cuttings from the mist once they are rooted (two to three weeks). After roots are present, the media temperatures can be reduced to 17-20 grade. Liners take six to seven weeks from sticking to become fully rooted and ready for transplanting. When irrigation is necessary, water them thoroughly then allow the soil to dry moderately between irrigations.



Fertilization & Substrate

Necessary is cold treatment; transplanting with not vernalized plugs result in small plants with few flowers. Provide six to eight weeks at 2-7 grade



Spacing

Before winter rest pots should not be filled completely
Spacing can be done just before grow starts again end of winter



Light

day-neutral



Irrigation

slightly dry to average moisture regimes



PGR Applications

Not necessary



Pests

Aphids



Diseases

Botrytis, which is likely to occur late in the crop cycle once the canopy closes in, as plants begin to bloom



Tips & Tricks

Adequate spacing, good air circulation and relative humidity below 70 percent






Recommendations

Culture guideline subject to temperature





Culture week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34				
Handling	P																S					F	F	F	F	F	F	F										
Temperature D/N																		3																				
Light	4									no-shading / natural light																												
Shading																		shading > 750 W/m2																				
Humidity																		<70%																				
Moisture																		3																				
pH																		5,8-6,2 pH																				
EC growing medium																		1,25-1,5 mS/cm																				
EC feeding in mS/cm																		1,5-2,0 mS/cm																				
Fertilizer																		N : K 1 : 2																				

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
RD	root development
SC₀	sowing no Vermiculite cover
SC₁	sowing plus light Vermiculite cover
SC₂	sowing plus medium Vermiculite cover
SC₃	sowing plus thick Vermiculite cover
RE	radicle emergence
Cot	cotyledon
M₁	mist day and night
M₂	mist day - dry night
W	end mist
FC	fleece cover
PC	plastic cover

PC	plastic cover
L	lift cover
G	gapping
TP	transplanting
T	yp1 transplanting
C	cover to protect from frost
PGR	PGR treatment (spray)
PD	PGR treatment (drench) or heavy spray
>	pinch
DB	disbud
P	potting
S	spacing
F	flowering
LF	leaf removal and maintenance