

# Begonia tuberhybrida



Central Europe North Europe

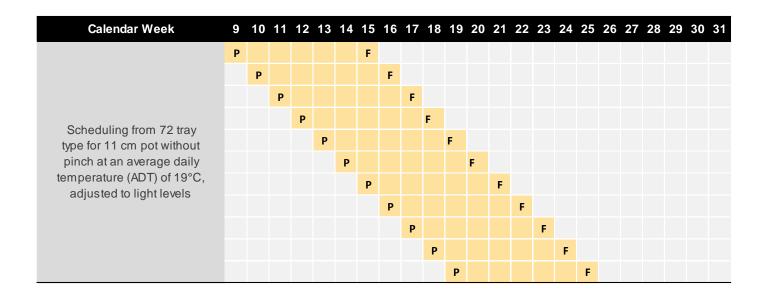


Nonstop Nonstop Mocca Swing Limitless Illumination Tenella Funky

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# Finished Plant Begonia

Series &	Туре	Leaf colour	Pot size
Nonstop	medium	green	10.5–12 cm
Nonstop Mocca	medium	dark green	10.5–12 cm
Swing	compact	green	9–11 cm
Limitless	medium	green	10,5-12 cm
Illumination	trailing	green	10–12 cm
Funky	trailing	green	10–12 cm
Tenella	trailing	green	10–12 cm



### Remarks

Obligate long day plants!

# **Cultivation Advice**

When natural day length is less than 12 hours continue with assimilation lighting day extension to 14-16 hr. If plants are placed under short days conditions growth will be uneven and plants start to form a tuber.



### **Pests**

Aphids, Thrips



### **Diseases**

Botrytis, Pythium, Rhizoctonia, Powdery mildew



### Light

Begonia tuberhybrida wants to form tubers and single flowers when natural daylengh is < 12 hours.



# Irrigation

Alternate between moisture levels wet (4) and medium (2). Allow media to approach level (2) before re-saturating to level (4).



## **PGR Applications**

CCC (Chlormequat chloride) if needed can be used as a spray 0,03% - 0,05%.



### **Tips & Tricks**

Pot immediately upon receipt. Do not allow plants to become overgrown in the tray. Avoid too high ammonium levels which leads to tall, stretched plants with few flowers.

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# Recommendations

## Culture guideline for 11 cm pot starting from 72 tray:

							-
Culture week	1	2	3	4	5	6	7
Handling	Р		S				
Temperature D/N	18-2	20°C			16–	18°C	
Light	Until the day length is < 12 hr.						
Shading	> 450 W/m2						
Humidity	40-60%						
Moisture	Alternate between 2 - 4				- 4		
рН	5,5–5,8						
EC growing medium	1,2 mS/cm						
EC feeding in mS/cm	1,5 mS/cm						
Fertilizer	N:K 1:1 N:K 1:1			1 : 1,5			

### Legend

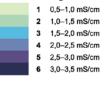
# Soil moisture level

- 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 form 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



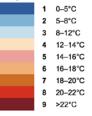
#### EC zones feeding mS/cm



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



### Temperature zones



### Light zones

245	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 treatn
C(	6	night interruption

### Shading



plastic cover

SI	Sticking URG	PC	plastic cover
RD	root development	L	lift cover
SC <sub>0</sub>	sowing no Vermiculite cover	G	gapping
SC <sub>1</sub>	sowing plus light Vermiculite cover	TP	transplanting
SC <sub>2</sub>	sowing plus medium Vermiculite cover	т	ypl transplanting
SC <sub>3</sub>	sowing plus thick Vermiculite cover	С	cover to protect from frost
RE	radicle emergence	PGR	PGR treatment (spray)
Cot	cotyledon	PD	PGR treatment (drench) or heavy spray
M <sub>1</sub>	mist day and night	×	pinch
M <sub>2</sub>	mist day - dry night	DB	disbud
W	end mist	Р	potting
FC	fleece cover	S	spacing

leaf removal and maintenance