

CROP MANUAL

Petunia hybrida Sanguna® Sanguna® Patio Dekko®








Central Europe
North Europe
South Europe



Sanguna®
Sanguna® Patio
Dekko®

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Finished Plant Sanguna®, Dekko® 10,5 cm-12 cm-14 cm pot

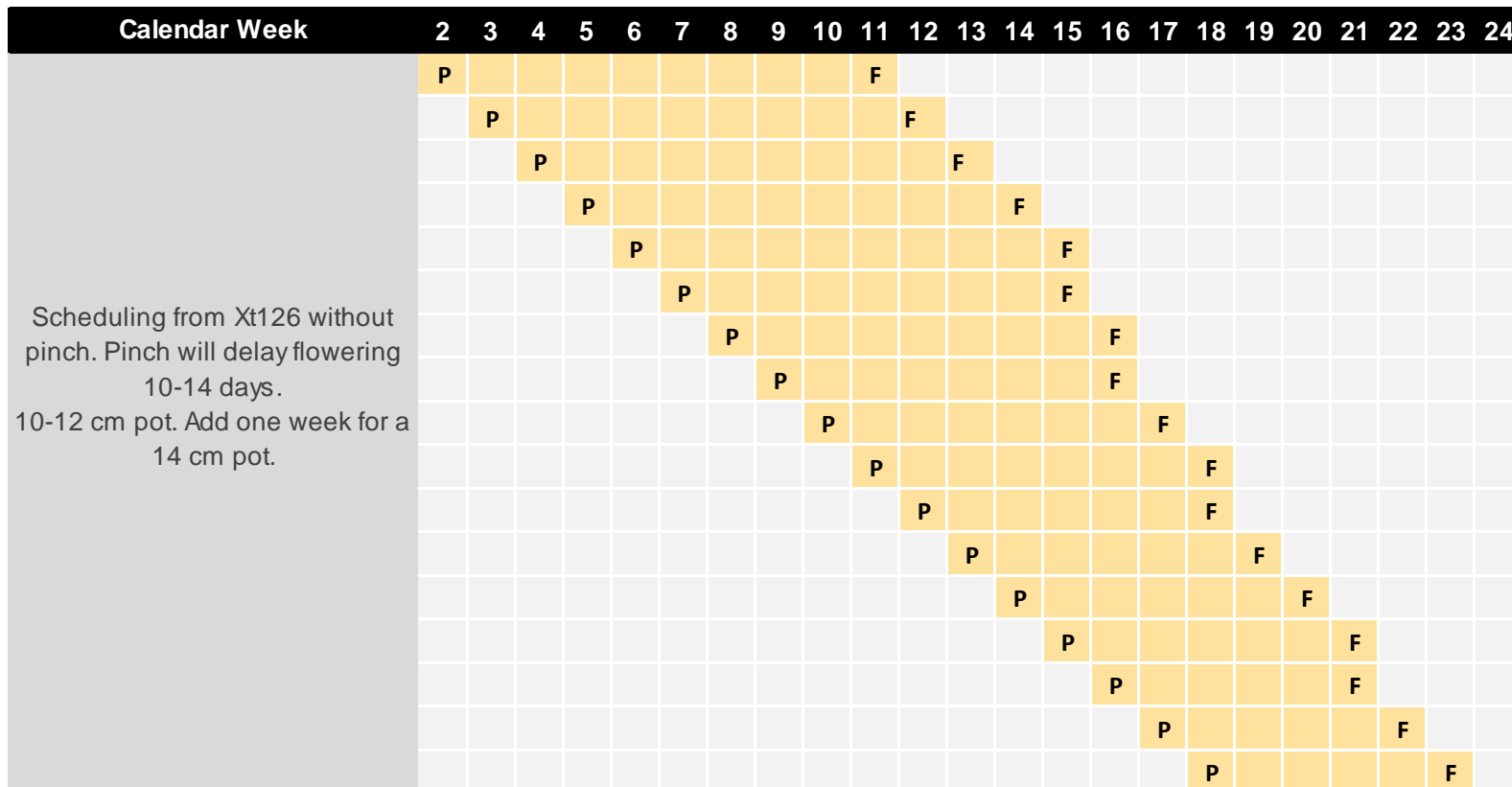
| Series  | Type  | Leaf colour  | Pot size  | Plants/m ² finished  |
|--|--|---|--|--|
| Sanguna® | Trailing | dark green | 10.5–14 cm-H.Basket | 50-30-10 plants/m ² |
| Sanguna® Patio | compact | green | 10.5–12 cm | 50-30 plants/m ² |
| Dekko® | Trailing | green | 10.5–14 cm-H.Basket | 50-25-10 plants/m ² |

Remarks






Schedule depends on temperature and light and can vary from on 1 to 2 weeks depending on those factors.

Dekko is always slightly later in the average vs Sanguna®.

Sanguna® Patio will have a more erect habit vs Sanguna®



Finished Plant Sanguna®, Dekko® Hanging Basket

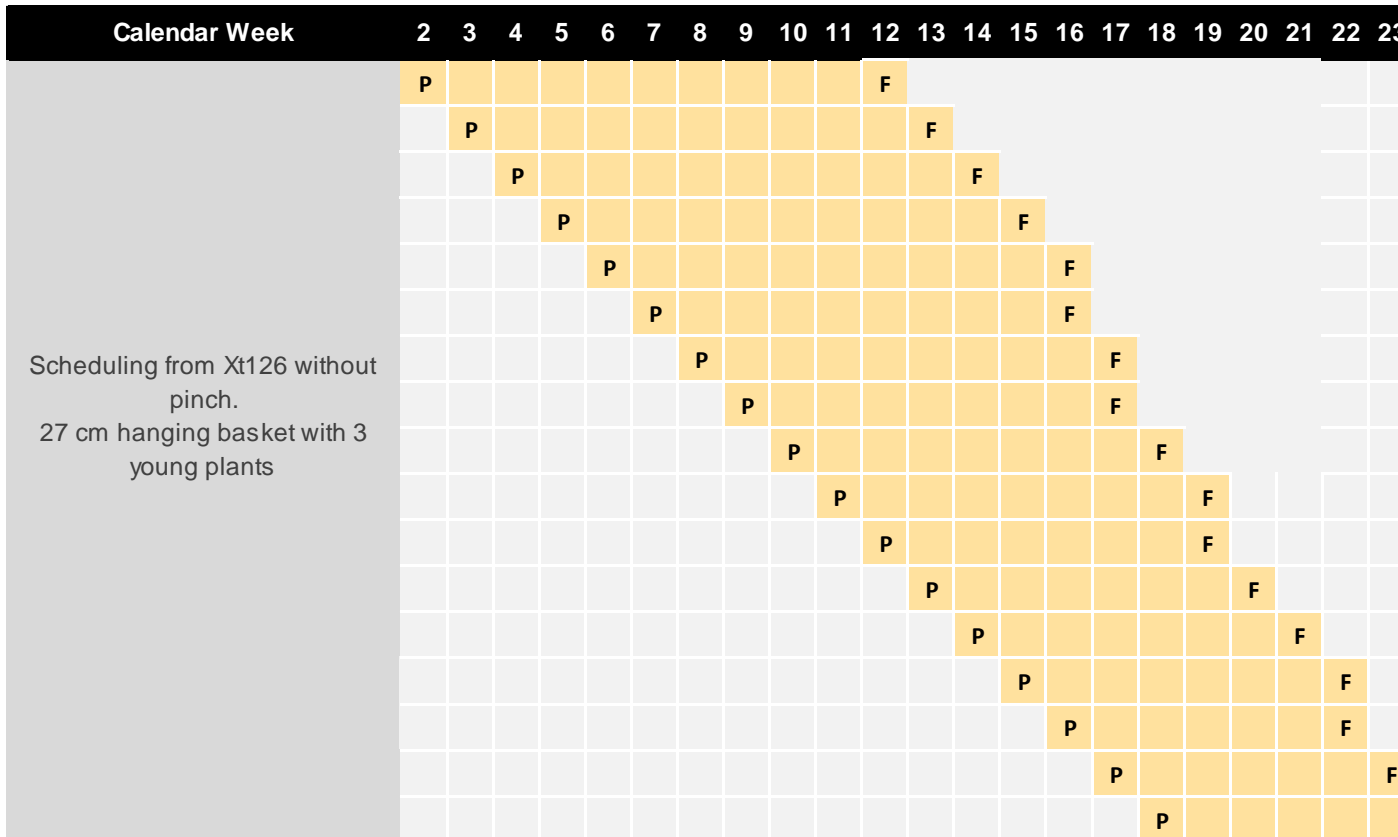
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Cultivation Advice

Use each genetic for specific use : Sanguna is ideal for hanging basket for its trailing habit. Dekko is a small flower size variety which can be used both in hanging basket or for its spreading habit, soil cover in the garden. Sanguna Patio should be used mainly for high density growing in 10 to 12 cm pots.



Fertilization & Substrate

Important to keep EC levels of the growing media in the range of 1.5 - 2.0. Measure the EC every week. If EC in the substrate is above 2,0 - use clear water or fertilize with EC < 1,0 until the EC in the substrate is at desired level. Increase the N:K relation to 1:3 after 4 weeks to improve the compact habit of the crop. The use of potassium phosphite (KH_2PO_3) will strengthen the plant against disease. Prefer a substrate with good drainage.



Diseases

Common diseases : Botrytis, Powdery Mildew, Virus
Special attention : sensitive to Switch (Cyprodonil & Fluodioxonil)



Pests

Common pests : Aphids, Thrips, Spider Mites



Irrigation

To increase the control of the growth and plant habit, the culture needs to be kept on the dry side moisture level 2 - 3, instead of 3 - 4, after the plants have established sufficient root mass.



PGR Applications

PGR Can be applied on 10.5-14 cm pots. Daminozide (B9/Alar) is efficient on Petunia. Cool morning or negative DIF can replace PGR.






Recommendations

Culture guideline at optimum average daily temperature 16–18°C:





| Culture week | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---------------------|--------------|---|------------------|---|---------------|---|---|---|---|
| Handling | PGR | | PGR | S | | | | | |
| Temperature D/N | 16-18°C | | 12-14°C | | | | | | |
| Light | | | | | ☀ | | | | |
| Shading | | | | | full sun | | | | |
| Humidity | | | | | 50–70% | | | | |
| Moisture | | | | | 3–2 | | | | |
| pH | | | | | 5 - 5.5 | | | | |
| EC growing medium | 1-1.25 mS/cm | | 1.25 - 1.5 mS/cm | | | | | | |
| EC feeding in mS/cm | 1.5 mS/cm | | 2,0 mS/cm | | | | | | |
| Fertilizer | 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 | 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 | > | 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 |