



Perfume™ Blue

syngenta *flowers*

Nicotiana Perfume™

Culture Guide

Botanical name: *Nicotiana × sandrea*

Product form: Seed

Containers: Quarts, Gallons, Hanging Baskets

Habit: Upright

Garden Specifications

Garden Height: 16–20" (40–50 cm) tall

Garden Width: 10–12" (25–30 cm) wide

Exposure: Full sun to shade

USDA zone: 9

AHS zone: 12–1

Product use: Containers, Hanging Baskets, Landscapes, Combos

Germination

Stages 1 & 2

Germination time: 3–5 days

Media temp: 70–75 °F (21–24 °C)

Chamber: Optional

Light: Required for germination

Seed cover: No

Moisture level: 5 - SATURATED: Soil is dark brown and shiny, free water is present at the surface of the soil, water drips freely from the bottom of the tray, and trays are heavy with a visible bend in the middle.

Rec. tray size: 288-cell tray

Seeds per cell: 1

Young Plant Production

Stages 3 & 4

Temperature

Day: 66–68 °F (19–20 °C)

Night: 66–68 °F (19–20 °C)

Average daily temperature: 67 °F (19 °C)

Lighting

Day extension lighting: Not necessary

Light intensity: 3,500–4,500 foot candles (700–900 micro mols)

Day length response: Day neutral

Daily light integral: 12–14 mols/day

Media pH: 5.5–5.9

Media EC: SME EC: 0.9–1.3 mS/cm

Fertilizer: 75–125 ppm N

Moisture level: Media should be allowed to dry between irrigations. Alternate between moisture level 2 and 4.

2 - MEDIUM: Soil is light brown in color, no water can be extracted from soil, and soil will crumble apart.

4 - WET: Soil is dark brown but not shiny, no free water is seen at the surface of the soil, when pressed or squeezed water drips easily, and trays are heavy with a visible bend in the middle.

Pinching: No

Plant growth regulators (PGRs): If needed, spray with B-Nine® WSG at 1,500–2,500 ppm.

Plug grow time: 4–5 weeks in a 288-cell tray

Comments: Cool days with high light will reduce the need to apply PGRs.

Finishing

Temperature

Day: 66–68 °F (19–20 °C)

Night: 66–68 °F (19–20 °C)

Average daily temperature: 67 °F (19 °C)

Lighting

Day extension lighting: Not necessary

Light intensity: 4,000–6,000 foot candles

Day length response: Day neutral

Daily light integral: 12–14 mols/day

Transplanting: Transplant directly into the finished container. Place the rooting media slightly below the level of media in the container. Make sure the root ball is covered and that the plug is situated in the center of the pot.

Media pH: 5.5–5.9

Media EC: SME EC: 1.5–2.1 mS/cm, PourThru EC: 2.3–3.2 mS/cm

Fertilizer: 125–175 ppm N

Pinching: No. Pinching is not recommended or needed.

Plant growth regulators (PGRs): If needed to control height, spray with B-Nine® WSG at 2,500–5,000 ppm, A-Rest® at 3–7 ppm, Bonzi® at 10–30 ppm, or Sumagic® at 5–10 ppm.

Tech tip: Under low light conditions supplemental light at 300–400 foot candles (60–80 micro mols) will induce earlier flowering. An overapplication of Bonzi® can cause the foliage to crinkle.



Try Chrysal Alesco®, a postharvest foliar spray, to protect ethylene sensitive crops during shipping and retail

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Common pests: Aphids, Whiteflies, Thrips, Cutworms

Common diseases: Downy mildew

Scheduling

Size	Crop Time	Plants Per Pot
1.0 quart (4.5 to 5 inch)	5–6 weeks (green plant)	1 ppp
1.25 to 2.5 quart (5.5 to 6.5 inch, trade gallon)	9–11 weeks (flowering plant)	1 ppp

Estimated finish crop time is from transplant of a 288-cell tray and finished at an average daily temperature (ADT) of 67 °F (19 °C).

Example crop schedule for a 2.5 quart

Weeks From Transplant	Description
1 week	Under low light conditions, provide supplemental light at 300–400 foot candles (60–80 micro mols)
6 weeks	If needed, spray with B-Nine® WSG at 2,500–5,000 ppm, A-Rest® at 3–7 ppm, Bonzi® at 10–30 ppm, or Sumagic® at 5–10 ppm
10 weeks	Ready to ship

Perfume™ Mix



syngenta®flowers

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