



Whisper™ Rose Shades

Nicotiana Whisper™

Culture Guide

Nicotiana × alata

Product form: Seed

Habit: Upright

Garden Specifications

Garden height: 36–48" (91–123 cm) tall

Garden width: 12–16" (30–40 cm) wide

Exposure: Part Shade–Full Sun

USDA zone: 8–11

AHS zone: 9–1

Product use: Cut flower, Landscape

Germination

Germination time: 3–5 days

Media temperature: 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.

Recommended tray size: 288-cell tray

Seeds per Cell: 1

Young Plant Production

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: 700–900 $\mu\text{mol}\cdot\text{m}^{-2}\cdot\text{s}^{-1}$

Day length response: Day neutral

Daily light integral (DLI): 12–14 $\text{mol}\cdot\text{m}^{-2}\cdot\text{d}^{-1}$

Media pH: 5.5–5.9

Media EC: SME EC: 0.9–1.3 mS/cm, Press/Squeeze Method EC: 1.2–1.7 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.





Harvest Your Potential™

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

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

Finishing

Lighting

Light intensity: 800–1,200 $\mu\text{mol}\cdot\text{m}^{-2}\cdot\text{s}^{-1}$

Day length response: Day neutral

Daily light integral (DLI): Greater than 18 $\text{mol}\cdot\text{m}^{-2}\cdot\text{d}^{-1}$

Transplanting: Transplant plugs in the spring into ground beds at approximately 9" x 9" spacing or greater in hot, humid locations to allow for air flow to prevent disease.

Fertilizer: 200–250 ppm N

Pinching: No. Pinching is not recommended or needed.

Support netting: None needed

Tech tip: Flowers will be harvestable 4–6 weeks after transplanting and will continue to flower until frost. Plant can be sheared with regrowth in 6 weeks.

Postharvest handling: Harvest in early morning when temperatures are cool to avoid wilting. Harvest when half the flowers on the stem are open and cut into a commercial hydrating solution and then store in a commercial holding solution and condition overnight before selling. Slow-release chlorine tablet products like Chrysal CVBN are also effective.

Expected vase life: 5–7 days. A holding solution is recommended to extend vase life.



Whisper™ Mix

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