

Arabis Rose Delight™

Culture Guide



Botanical name: *Arabis blepharophylla*

Product form: Seed

Containers: Quarts, Gallons

Habit: Mounded

Vernalization: Required

Garden Specifications

Garden Height: 6–8" (15–20 cm) tall

Garden Width: 8–10" (20–25 cm) wide

Exposure: Part sun

USDA zone: 4–7

AHS zone: 7–4

Product use: Containers

Germination

Stages 1 & 2

Germination time: 8–10 days

Media temp: 68–72 °F (20–22 °C)

Chamber: Optional

Light: Not required for germination

Seed cover: Yes

Moisture level: 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.

Rec. tray size: 288-cell tray

Seeds per cell: 3–4

Young Plant Production

Stages 3 & 4

Temperature

Day: 64–66 °F (18–19 °C)

Night: 60–62 °F (16–17 °C)

Average daily temperature: 64 °F (18 °C)

Lighting

Day extension lighting: Beneficial to 14 hours

Light intensity: 1,000–1,200 foot candles (200–250 micro mols) for the first two weeks after sticking or until root development occurs. Light levels can be increased up to 3,000 foot candles (600 micro mols) as rooting increases and the cutting matures.

Day length response: Facultative long day

Daily light integral: 12–14 mols/day

Media pH: 5.5–5.9



Media EC: SME 0.5 to 0.75 mS/cm

Fertilizer: 50–75 ppm N

Moisture level: Media should be allowed to dry between irrigations. Alternate between moisture level 2 and 3.

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

3 - MOIST: Soil is brown in color, strongly squeezing the soil will extract a few drops of water, and trays are light with no visible bend.

Pinching: No

Plant growth regulators (PGRs): Not necessary

Plug grow time: 7–8 weeks in a 288-cell tray

Bulking and Vernalization

Vernalization: Required

Bulking

Bulking Time: See Scheduling Section

Temperature: 68–70 °F (20–21 °C)

Pinch: No

PGR: Not Necessary

Vernalization

Vernalization Time: 5–8 weeks

Temperature: 40–50 °F (4–10 °C)

Tech tip: Monitor growth carefully. Try to grow within one inch of the sides of the container.

Finishing

Temperature

Day: 68–70 °F (20–21 °C)

Night: 62–64 °F (17–18 °C)

Average daily temperature: 68 °F (20 °C)

Lighting

Day extension lighting: Beneficial to 14 hours

Light intensity: 6,000–8,000 foot candles

Day length response: Facultative long day

Daily light integral: 16–18 mols/day

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

Media pH: 5.8–6.2

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

Fertilizer: 75–125 ppm N

Pinching: No. Pinching is not recommended or needed.

Plant growth regulators (PGRs): If needed a B-Nine® WSG spray at 2,500 ppm can be used.

Tech tip: Best used in small containers (4-inch to quarts) using 1 plug per pot.



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Common pests: Aphids

Common diseases: Botrytis, Pythium, Rhizoctonia

Scheduling

Size	Crop Time			Plants Per Pot
	Bulk	Vern.	Finish	
1.0 pint (4 inch)	5–6 weeks	5–8 weeks	7–8 weeks	1 ppp
1.0 quart (4.5 to 5 inch)	5–6 weeks	5–8 weeks	7–8 weeks	1–2 ppp

Estimated finish crop time is from transplant of a 288-cell tray and finished at an average daily temperature (ADT) of 64 °F (18 °C).

Example crop schedule for a 1.0 quart

Weeks From Transplant	Description
1 week	Transplant one plug in the center of a quart container
6 weeks	Finish the bulking period once the plant are 1/2 to 1/3 of the size of the final container. Then begin the vernalization process
13 weeks	Finish the vernalization and start to increase the temperatures to force flowering
19 weeks	Finish

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