

Aubrieta Glacier™



Culture Guide

Botanical name: *Aubrieta hybrida*

Product form: Vegetative

Containers: Quarts, Gallons

Habit: Mounding

Vernalization: Required

Garden Specifications

Garden Height: 6–8" (15–20 cm) tall

Garden Width: 6–8" (15–20 cm) wide

Exposure: Full sun

USDA zone: 6–9

AHS zone: 9–6

Product use: Containers, Combos

Propagation of Unrooted Cuttings

Root emergence: 8–10 days

Rooting hormone: Recommended. A overhead heavy spray to the cuttings (penetrating the rooting media) using water-soluble K-IBA at 250–300 ppm 24–48 hours after sticking can hasten rooting.

Bottom heat temp.: 70–72 °F (21–22 °C) for the first three weeks. After roots are well developed, temperatures can be lowered to hold and tone cuttings.

Misting: Mist schedules vary depending on light and temperature conditions. Apply minimal moisture to rehydrate the cuttings and keep them from wilting. Cuttings should be hydrated and in a non-wilted stage within 24 hours after sticking. Tenting has also been shown to be beneficial when rooting Aubrieta. This keeps the humidity high while not adding to much free water.

Rec. tray size: 105-cell (30 mm) or larger

Propagation timing: 5–6 weeks for a 105-cell plug; add more rooting time for significantly larger plug sizes.

Temperature

Day: 66–68 °F (19–20 °C)

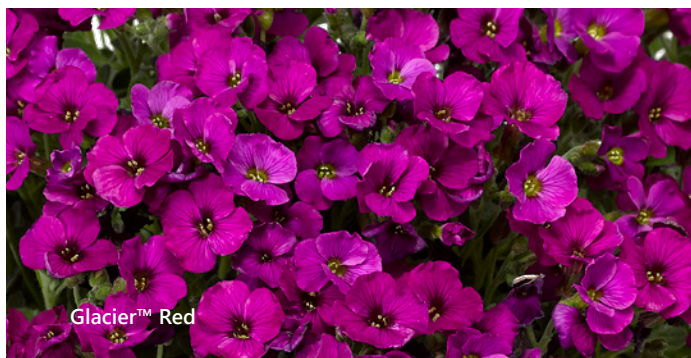
Night: 64–66 °F (18–19 °C)

Lighting

Day extension lighting: Not necessary

Light intensity: 200–250 $\mu\text{mol}\cdot\text{m}^{-2}\cdot\text{s}^{-1}$ for the first two weeks after sticking or until root development occurs. Light levels can be increased up to 600 $\mu\text{mol}\cdot\text{m}^{-2}\cdot\text{s}^{-1}$ as rooting increases and the cutting matures.

Day length response: Day neutral



Daily light integral: 4–6 $\text{mol}\cdot\text{m}^{-2}\cdot\text{d}^{-1}$ for the first two weeks after sticking or until root development occurs. DLI can be increased to greater than 12 $\text{mol}\cdot\text{m}^{-2}\cdot\text{d}^{-1}$ after root formation.

Media pH: 5.6–6.0

Media EC: SME EC: 0.9–1.3 mS/cm, PourThru EC: 1.4–2.0 mS/cm

Fertilizer: Begin fertilization at 50 ppm nitrogen when roots become visible. Rates can be increased up to 75 ppm nitrogen after roots become well developed. Use primarily Cal-Mag® Plus (calcium nitrate + magnesium nitrate + iron) fertilizers in propagation to prevent unwanted stretch.

Pinching: Not recommended

Plant growth regulators (PGRs): Normally not required. If needed, a spray of B-Nine® WSG at 500–1,500 ppm can be applied.

Bulking and Vernalization

Vernalization: Required

Bulking

Bulking Time: See Scheduling Section

Temperature: 64–66 °F (18–19 °C)

Pinch: No

PGR: Not Necessary

Vernalization

Vernalization Time: 7–8 weeks

Temperature: 45–50 °F (7–10 °C)

Tech tip: Before vernalization, plants should be well rooted, and the foliage should fill 1/3 to 1/2 of the overall pot diameter. Keep fertility on the low side, going into vernalization to avoid excess soft growth. This will decrease the chance of disease and allow room for growth during finishing.

Finishing

Temperature

Day: 66–68 °F (19–20 °C)

Night: 58–60 °F (14–16 °C)

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

Lighting

Day extension lighting: Not necessary

Light intensity: 1,200–1,600 $\mu\text{mol}\cdot\text{m}^{-2}\cdot\text{s}^{-1}$

Day length response: Day neutral

Daily light integral: 14–16 $\text{mol}\cdot\text{m}^{-2}\cdot\text{d}^{-1}$

Transplanting: Transplant directly into the finished container. Place the rooting media slightly above the level of media in the container. Make sure 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: 75–125 ppm N

Pinching: No. Pinching is not recommended or needed.

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

Tech tip: If possible, grow cool to help keep the plants compact and uniform. Make sure that pots are not too wet or waterlogged during production.



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

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.

Common pests: Aphids

Common diseases: Botrytis, Pythium, Rhizoctonia

Scheduling

Size	Crop Time			Plants Per Pot
	Bulk	Vern.	Finish	
1.0 quart (4.5 to 5 inch)	5–6 weeks	7–8 weeks	5–6 weeks	1 ppp
1.25 to 2.5 quart (5.5 to 6.5 inch, trade gallon)	6–7 weeks	7–8 weeks	6–7 weeks	1 ppp

Estimated finish crop time is from transplant of a 105-cell tray and finished at an average daily temperature (ADT) of 64 °F (18 °C).

Example crop schedule for a 2.5 quart

Weeks From Transplant	Description
1 week	Transplant one plug into the center of the pot
6 weeks	Start to lower the temperatures to begin the vernalization process
13 weeks	With vernalization complete, it is now time to increase the temperatures to a 64 °F (18 °C) ADT to force flowering
17 weeks	If needed, apply plant growth regulators (PGRs) to control size
19 weeks	Finish



Glacier™ Sky Blue