

TECHNICAL GUIDE

Muhlenbergia capillaris Ruby

Plug Culture

Germination: Optimum conditions for seedling development, beginning on the day of sowing until radicle emergence. Expect germination in 7-14 days.

Cover: No cover is required.

Sowing method: 4-6 seeds per plug.

Media: pH 5.8-6.2; EC <1.0

Temperature: 20-22 °C (68-72 °F) until radicle emergence, then reduce to 18-20 °C (64-68 °F) during day and night.

Moisture: Begin with a wet (4) for the first two weeks. Alternate between moisture levels moist (3) and medium (2) to maintain a good wet to dry cycle. Avoid overwatering.

Light: Supplemental lighting is optional in the plug stage. If desired, provide light levels up to 35,000 lx.

Fertilizer: Maintain an EC <1.0. Use a balanced fertilizer. Feeding should start <100 ppm N.

Growth Regulators: Not required.

Growing On

Media: pH 5.5-6.2; EC 1.0-1.2

Temperature: 15-20 °C (59-68 °F) during day and night. Plants are sensitive to frost. Higher temperatures shorten the crop time of this warm-season crop.

Moisture: Alternate between moisture levels moist (3) and medium (2) to maintain a good wet to dry cycle. Avoid overwatering or underwatering.

Light: High light levels and long days are required to force plants into plume.

Fertilizer: Moderate fertilization levels are required. Feed with 100-150 ppm N using a balanced fertilizer.

Growth Regulators: Not required.

Pests & Diseases: Aphids, rust.

Timing & Positioning Charts

Plug Crop Time	
288 tray	6-8 wks
Finished Crop Time (from 288 tray)	
10-12 cm (4-5") pots (1")	8-9 wks
15-19 cm (6-7") pots (3")	9-10 wks

*plants per pot

Moisture Codes

Saturated (5) Water is easily observed when finger is pressed on cell. Water moves freely from the top of the plug to the bottom.

- Wet (4)** Media looks black and is not glistening. The media feels wet to the touch but there is very little water movement.
- Moist (3)** Water is not easily visible. When finger is pressed on the cell there is very little movement from top to bottom.
- Medium (2)** Media is not black, but now looks medium brown. There is no water movement when pressed with finger.
- Dry (1)** Media has changed color to a very light brown and is dry to the touch.

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