

TECHNICAL GUIDE

Bouteloua gracilis Mozzie

Plug Culture

Germination: Optimum conditions for seedling development, beginning on the day of sowing until radicle emergence. Expect germination in 3-6 days.

Cover: No cover is required.

Sowing Method: Sow 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 days of germination. Then alternate between moisture levels moist (3) and dry (1) to maintain a good wet to dry cycle. Avoid overwatering.

Light: Supplemental lighting is not needed 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: 12-15 °C (54-59 °F) during day and night.

Moisture: For healthy plants and to avoid root and stem problems, a rather dry cultivation in well-drained soil is recommended.

Light: High light levels shorten the crop time.

Fertilizer: Low fertilization levels are required. Use a balanced fertilizer up to 100-150 ppm N.

Growth Regulators: Not required.

Plug & Finished Crop Time

Plug Crop Time

288 Tray: 5-6 weeks

Finished Crop Time (from 288 tray)

10-12 cm (4-5") pots (1*): 9-10 weeks

13-15 cm (5-6") pots (3*): 10-11 weeks

*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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