

# Cultural tips for Wallflower Treasure



## Plug Production

**Sowing/Media:** Use a well-drained, disease-free, peat-based plug medium with pH 5.5 – 5.8 and media EC <1.0 mmhos (saturated paste). May want to use 2 – 3 seeds per cell. Cover seed with coarse vermiculite after sowing.

**Germination (Stages 1 and 2):** Keep soil uniformly moist, but not saturated, until hooking is observed. Then dry off vermiculite covering before watering again. Soil temperature should be 68 – 72°F. Light is not needed for germination, but keep levels <1500 footcandles. Allow 9 – 10 days to finish germination.

**Stage 3:** Soil temperature should be 62 – 65°F. Practice a good wet/dry moisture cycle, but avoid wilt. Keep light levels 2500 – 3000 footcandles. Feed every other watering with 100 – 150 ppm N from 15-5-15, 17-5-17, or 13-2-13. Keep media pH <6.5 and EC 1.0 – 1.25 mmhos (saturated paste).

**Stage 4:** Soil temperature can be lowered to 60 – 62°F. Dry down between waterings, but avoid wilt. Keep light levels around 3000 footcandles, and feed as needed, but use more 13-2-13 if growing cooler than 60°F.

**Plant Growth Regulators:** Use a sprinch of 1 ppm Bonzi when seedlings starting to emerge to prevent stretch and floppiness. Otherwise, spray with Bonzi at 10 ppm during Stage 3. Maintaining cool temperatures and controlling media moisture can successfully control growth from Autumn and Winter sowings, without using PGR's.

**Crop Time:** 4 weeks for 512 plugs, 5 weeks for 288 plugs.

**Common Problems:** Botrytis, Sclerotinia.

## Growing on to finish

**Container Size:** Cell packs to 6-inch pots

**Media:** Transplant into a well-drained, disease-free, peat-based growing mix with pH of 5.5 – 5.8 and EC<1.5 mmhos (saturated paste).

**Temperatures:** Keep soil temperatures around 65°F for the first 2 weeks for rooting out, then lower to 60°F average daily temperature. This crop can be grown cool like pansies, and does not require vernalization to flower.

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**Light:** Maintain light levels 3000 – 5000 footcandles, but keep cool temperatures as well. No supplemental lighting is needed.

**Irrigation and Fertilization:** Practice a good wet/dry moisture cycle, but avoid too wet or too dry. When growing cool, it is always best to keep from being too wet. Feed 1 – 2x/week with 150 – 200 ppm N from 15-5-15, 17-5-17, or 13-2-13. Keep media pH <6.5, and media EC 1.5 – 2.0 mmhos (saturated paste).

**Plant Growth Regulators:** Use sprays of Bonzi at 20 ppm or tank mix of B-Nine (2500 ppm) + Cycocel (1000 ppm) as needed. Maintaining cool temperatures and controlling media moisture can successfully control growth from Autumn and Winter sowings, without using PGR's.

**Common Problems:** Botrytis, Sclerotinia

**Crop Time:** 8 - 10 weeks

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