

PRODUCTION

Dipladenia Flordenia Plus

Mandevilla hybrida



PROPAGATION

Liner Size and Timing	102/105—5-6 weeks prop time (more rooting time for larger sizes)- both URC and callused
Rooting Hormone	Recommended to speed rooting (1,000 ppm IBA powder or liquid dip only coat the basal end).
Mist	Provide just enough mist to rehydrate cuttings and keep them turgid. Too much mist can lead to breakdown.
Bottom Heat	Bottom heat (72-76°F (22-24°C)) is necessary for the first 21-28 days, once roots form temperatures can be lowered.

FERTILITY

Fertilizer Rate	Begin feeding as roots begin to form, starting with 75-100ppmN and increasing up to 175-200ppm N based on EC and pH ranges utilizing a balanced feed w/Ca and Mg.
EC Range	1.5-2.0mS via SME
pH Range	5.8-6.2

CONTAINER SIZE AND TIMING (after transplant)

4" (10cm)	8-10 weeks, 1ppp
6"/trade gallon (15cm)	10-12 weeks , 1ppp
10" Basket (25cm)	12-14 weeks, 3-4ppp

TEMPERATURE

Minimum Required ADT	65-70°F (18-21°C), timing is based on ADT of 74°F (23°C), lower temps = slower finish
Ave. Day Temperature	74-80°F (23-27°C)
Ave. Night Temperature	70-74°F (21-23°C)

IRRIGATION

Irrigation Frequency	Allow the crop to dry between irrigations. Alternate between 2 and 4 moisture level (light brown media to dark brown (but not shiny) media for best nutrient uptake. The best growth control is dry
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LIGHT

Photoperiodic?	Day extension isn't necessary, but will bloom faster with light. Buds initiate with 10+ hour days.
Light Levels	High light in production is recommended, insufficient sunlight will cause plants to stretch and delay blooming.

POTENTIAL DISEASES

Fungal leaf spot, Pythium, Rhizoctonia, Fusarium

POTENTIAL PESTS

Aphids, Mealybugs, Thrips, Spider mites, Whitefly

PINCHING and PGR

- Pinching will encourage branching and encourage a nice bushy habit. 2-4 pinches depending on the size pot to maintain size, shape and branching.
- 300ppm Configure[®] to encourage branching 2-3 weeks after transplant
- 2500ppm B-Nine (daminozide) can be used to tone plants (as early as propagation)

TIPS

- High light and warm temperatures will improve quality and shorten crop times.
- Do not spray PGRs on stressed or weak plants. Plants should be well hydrated prior to treatment.
- Vigorous varieties trellising optional.