



# Antirrhinum Candy Showers

## *Production Primer*





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# Young Plant Production – 5 weeks

## Germination

- 200 plug tray
- Sterile and well-drained media
- EC, < 0.5 mmhos (2:1 slurry)
- pH 5.5 – 5.8
- Multi-pelleted seed
- Lightly cover with medium/coarse vermiculite as seed requires light to germinate.
- Temperature 65°F/18°C
- Maintain sufficient moisture to dissolve the pellet.
- When cotyledons are present, fertilize lightly with a calcium nitrate-based formulation at 50-75 ppm N.



# Young Plant Production – 5 weeks

## Finishing

- Supplemental lighting is beneficial but maintain a 12 hour photoperiod to promote vegetative growth.
- Following germination, target the temperature between 65-68°F/18-20°C.
- When true leaves are present, increase fertilizer to 75-100 ppm N and target the EC at 0.75 – 1.0 mmhos.
- Snapdragons are sensitive to high salt levels >1.0 mmhos.
- Plugs are ready for transplanting when they have 2 pairs of true leaves and the roots hold the media together.



# Crop Scheduling

Container	Plants per pot	Weeks from Transplant*
4 inch / 10 cm.	1 multi-plug	5 – 6 weeks
1 Quart / 12 cm.	1 multi-plug	6 – 7 weeks
6 inch / 15 cm.	1 multi-plug	7 – 8 weeks
10 inch / 25 cm.	3 multi-plugs	8 – 10 weeks
12 inch / 30 cm.	4 multi-plugs	9 - 11 weeks

\* *Growth is accelerated at warmer temperatures, higher light levels and longer day length.*

# Transplanting

## Media

- Sterile and well-drained media
- pH 5.5 – 5.8
- EC <1.0 mmhos

## Temperature

- Optimum growing temperature is 60-65°F/ 15-18°C during the day and 60°F/15°C at night. Once established the night temperature may be reduced to 50-55°F/11-13

## Fertilizer

- EC 1.0 – 1.5 mmhos (2:1 slurry)
- Cal/Mag fertilizer / 150 – 200 ppm N
- Avoid ammonium nitrate which promotes soft growth and stretching.
- pH > 6.5 causes iron chlorosis



# Lighting

- Antirrhinum Candy Showers is a facultative long day plant. Providing long days (>14 hours) along with supplemental lighting, up to 2,500 foot candles/ 27,000 lux, will hasten development and flowering.

## Photos

- 10 weeks from sowing
- 3 multi-plugs / 10 inch basket
- Sow week 27 / Finish week 37

## Photoperiod

**Short days** 10 hour photoperiod (black out curtain)

**Ambient:** Week 27 / 15 hours

Week 37 / 12.5 hours



Short Days / Ambient Light



Short Days / Ambient Light

# Culture Watch Points

## Flowering Response

- Candy Showers becomes receptive to flower bud initiation at 5 pairs of true leaves. To promote sufficient vegetative growth in the final container, transplant when plugs have around 2 leaf pairs. A photoperiod of 10.5 + hours is necessary to initiate and develop flowers.

## Pests and Diseases

- Aphids, Thrips and Spider Mites. Botrytis, Downy Mildew, Powdery Mildew, Pythium, Rust, Tomato Spotted Wilt Virus and Impatiens Necrotic Spot Virus.

