Antirrhinum majus
Snaptastic Magenta™

61-2718

Minimum Germination Rate: 85%
Seed Product Form: pelleted

Container size: 4- 6 inch pots, quarts, gallons

Habit: Upright

Garden Specifications

Garden height:
14" – 16"

Garden width:
12"- 14"

Light:
Full sun /Part shade

Product use:
Beds, mass planting, containers, mixed combinations.

Germination

Germination time: 3-5 days

Media temperature: 72-75 ºF (22-24ºC)

Chamber: Optional

Light: Not required for germination

Seed Cover: Light vermiculite

Moisture Level: 4 (wet) day 1-5

Recommended tray size: 288- cell tray

Seeds per cell: 1 seed

Young Plant Production

Temperature:
Day 64-68 ºF (18-20ºC)
Night 64-68 ºF (18-20ºC)

Lighting:
- Recommended day length > 14 hours
- Light intensity 2000-3000 foot candles (400-600 micro mols)
- Day length response; facultative long day.
- Daily light integral; >10 mols/day

Media pH: 5.4 – 6.2

Media EC: 0.5 – 1.0 mS/cm

Fertilizer: 50-100 ppm Nitrogen

Pinching: No

Moisture level:
Alternate between a level 4 (wet) and level 3 from radicle emergence until cotyledon expansion, and then allow soil to dry back to a level 2 (medium).

Plant Growth regulators (PGRs):
If needed, spray applications of B-Nine (daminozide) @ 2500-3750 ppm, Bonzi (paclobutrazol) @ 5-8 ppm, or A-Rest (ancymidol) @ 2-4 ppm are effective to tone plugs.

Plug Time: 5-6 weeks for a 288-cell tray.

Tech tips:
High pH levels (above 6.2) may promote iron deficiency causing chlorotic young leaves. Overly wet conditions or watering late in the day can cause shoot tip abortion.

Finishing

Temperature:
Day 60-70 ºF (16-21 ºC)
Night 55-60 ºF (13-16 ºC)

Average daily temperature: 55-65 ºF (13-18 ºC)

NORSECO

Lighting:

- Recommended day length ; > 14 hours
- Light intensity; >4.500 foot candles (>900 micro mols)
- Day length response; Facultative long day.
- Day light integral; > 15 mols/day.

Media pH: 5.4-6.2

Media EC: 1.0-1.5 mS/cm

Fertilizer: 150-200 ppm Nitrogen

Pinching: No

Moisture level:

Alternate between a level 4 (wet) and level 2 (medium). Allow soil to dry to a level 2 (medium) before irrigating up to a level 4 (wet).

Plant growth regulators:

If needed, spray 1-2 applications of B-Nine (daminozide) at 3,500-5,000 ppm, Bonzi (paclobutrazol) at 15-20 ppm, or Sumagic (uniconazole) at 10-15 ppm. Do not apply Bonzi drenches after visible bud stage to prevent clubby flowers.

Pest: Thrips, aphids and spider mites.

Diseases:

Botrytis, downy mildew, powdery mildew, Pythium, rust, TSWV and INSV.

Scheduling

Container size	Crop time after transplant (weeks)	Plants per pot
4 to 5 inch pots, quarts	7-8	1
6 inch pots, gallons	7-8	1-2

Estimated finish crop time is from transplant of a 288-cell tray and finished at an average daily temperature (ADT) of 65 °F (18 °C).

Tech tips:

Providing supplemental lighting to 14 hours or longer will hasten flowering when light levels are less than 10 mol/day and day length is less than 14 hours.

Example crop schedule for 6 inch pots

Week 1: Sow into 288 or similar plug tray.
Week 2: Lower temperature to 64-68 °F (18-20°C) once cotyledons have expanded.
Week 4: PGR spry B-Nine or Bonzi to tone plugs.
Week 5: Transplant one to two plugs per pot for 6 inch pots and finish at 65 °F ADT.
Week 9: PGR as needed, spray PGRs recommended in finished culture notes.
Week 12-13: Finish

Moisture Level	Description
1 Dry	Soil is tan to gray in color, trays are extremely light, soil pulls away from sides of container.
2 Medium	Soil is light brown in color, no water can be extracted and soil will crumble apart.
3 Moist	Soil is brown in color, strongly squeezing the soil will extract a few drops of water and trays are light with no visible bend.
4 Wet	Soil is dark brown but not shiny, no free water is seen at the surface of the soil. When pressed or squeezed water drips easily and trays are heavy with visible bend in the middle.
5 Saturated	Soil is dark brown and shiny, free water is present at the surface of the soil. Water drips freely from bottom of tray and they are heavy with a visible bend in the middle.

Ref. : 27 July 2016
www.goldsmithseeds.com

NORSECO