

Antirrhinum (Snapdragon) majus F1 Twinny – double flowered

Life cycle	Hardy Annual
Family / Origin	Scrophulariaceae/ Mediterranean
Popular uses	Outdoor containers, pot and pack, suitable for borders and beds
Mature plant height	35-40 cm (14-16")
Mature plant width	25-30 cm (10-12")
Pot size	10-15 cm (4-6") and larger
Plants per pot	1 plant in 10-15 cm (4-6") pot 3 in gallon pots or larger
Sun exposure	Full sun
Water requirements	Normal, avoid wet conditions
Flowering time	Entire growing season – spring through light frosts Can be used as a winter annual in southern areas
Media	A well-drained, porous media is best to prevent over watering pH 5.5-5.8; never over 6.2 EC 1.0-1.5 (150-225 ppm N)
Growing temperature	Temperature for active growth 15°C (59°F) at night 16-18°C (61-64°F) at day time
Light	Optimum light level is 18.000-22.000 lux (1.670-2.040 fc) Long days >14 hours promotes early flowering
Fertilizer needs	Balanced N:P:K fertilizer as needed EC1.5-2.0 (225-300 ppm N)
Crop time	11-13 weeks
Hardiness zone	Z 6-9



Description

Twinny is a double flowered dwarf F1 hybrid that grows to a garden height of 30 cm (12"). Very suited for use in landscape

Growth regulators

Antirrhinum responds to: Daminozide (Dazide, B-nine), Chlormequat (Cycocel) and Paclobutrazol (Bonzi)

Common diseases

Botrytis Blight, Rhizoctonia, Rust, Pythium, Powdery and Downy Mildew

Common pests

Spider Mites, Thrips, Aphids and Whitefly

Pinching

No need, but a single pinch is recommended for a better branching; crop time will be 1-2 weeks longer

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Plug Production

Seed forms	Raw
Seed count	6.200-6.500 seeds/gram (176.000-184.000 seeds/oz); varies by lot!
Recommended plug size	480-288
Seeds cell	1
Vermiculite cover	no
Stage 1 Germination	Media pH 5.5 to 5.8 Fertilizers: EC 0.5-1.0 (75-150 ppm N). Growing medium temperature 18-22°C (64-72°F) Radicle emerge will occur in 3-4 days Keep media wet Covering with a light layer of vermiculite will help to maintain moisture level Antirrhinum is very susceptible to high salt levels in all stages
Stage 2 Stem and cotyledon	Keep media moist Temperature can be lowered to 18°C (64°F) Reduce moisture levels to obtain optimum root growth and to prevent fungal diseases Prevent wet foliage after nightfall A broad spectrum fungicide may be applied to prevent damping off Under low light conditions, supplementary lighting is advised to promote compact strong seedlings Extending day length to 14 hours and 4.500-10.000 lux (418-929 fc) will promote early flowering
Stage 3 Growth and development	Temperature days 18°C (64°F) EC 1.2-1.5 (180-225 ppm N) Allow media to dry between watering Wet, cold and low light conditions may result in tip abortion
Stage 4 Ready for transplanting	Temperature can be dropped to 16-18°C (61-64°F) Lower temperatures and wet conditions may result in poor growth and leaf chlorosis Allow media to dry between watering but avoid wilting EC 1.2-1.5 (180-225 ppm N)
Plug crop time	5-6 weeks
Approximate finish time	6-7 weeks
Special tips	Antirrhinum has a very sensitive root system. Prevent overwatering and cold media - above 15C (58°F). Do not allow plants to wilt severely. Cold and wet conditions will result in slow development combined with root problems and slow uptake of nutrients, followed by chlorosis of the leaves. The use of ammonium-based fertilizers may result in thin, elongated roots which are more susceptible to soil-borne fungi