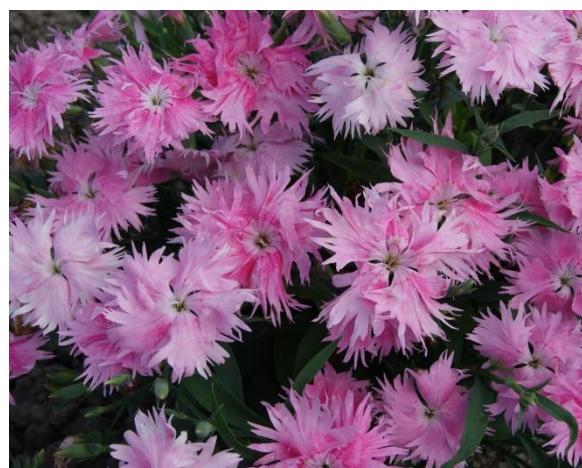


Dianthus Interspecific F1 Supra

Life cycle	Hardy Perennial
Family / Origin	Caryophyllaceae
Popular uses	Outdoor containers, pot and pack, suitable for borders and beds
Mature plant height	25-35 cm (10-14")
Mature plant width	25-35 cm (10-14")
Pot size	Packs, 10-15 cm (4-6") pots, quart or gallon pots
Plants per pot	1 plant per 10 cm (4") pots 1-3 plants in 15 cm (6")
Sun exposure	Sun or partial shade
Water requirements	Reduced, avoid wet conditions
Flowering time	Entire growing season
Media	A well-drained, porous media is best to prevent over watering pH 5.5-6.2 EC 0.5-1.4 (75-210 ppm N)
Growing temperature	For active growth 15°C (59°F) at night 16-18°C (61-64°F) at day time
Light	Increase total light energy to promote early flowering Extending day length is not necessary, but promotes bud set
Fertilizer needs	Balanced N:P:K fertilizer as needed Ammonium based fertilizers are not recommended, use calcium based fertilizers EC 1.8-2.2 (270-330 ppm N)
Crop time	14-16 weeks
Hardiness zone	Z 5-10



Description

First year flowering winter-hardy perennial with exceptionally good garden performance

Growth regulators

Dianthus responds to: Chlormequat (Cycocel) and Paclobutrazol (Bonzi)

Common diseases

Botrytis, Alternaria Leaf Spot, Fusarium Wilt

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

Plug Production

Seed forms	Raw and Pelleted
Seed count	700-1.000 seeds/gram (20.000-28.000 seeds/oz); varies by lot!
Recommended plug size	480-264
Seeds cell	1
Vermiculite cover	Light
Stage 1 Germination	Growing medium temperature 21-24°C (70-75°F) EC 0.5-1.0 (75-150 ppm N) Radicle emergence will take place in 2-4 days Keep media moist but do not overwater Light is not necessary for germination Dianthus is very sensitive to high salt levels in stage 1 and 2
Stage 2 Stem and cotyledon	Keep media moist Lower night temperature to 18°C (64°F) Under low light conditions supplementary lighting is advised to promote compact strong seedlings EC 0.5-1.0 (75-150 ppm N)
Stage 3 Growth and development	Moisture: reduce moisture levels and allow medium to dry between watering Do not allow plants to wilt Temperature: 18-20°C (64-68°F) EC 1.2-1.5 (180-225 ppm N)
Stage 4 Ready for transplanting	Moisture: reduce moisture levels and allow medium to dry between watering Do not allow plants to wilt Temperature: 13-15°C (55-59°F) Fertilization: see stage 3
Plug crop time	5-6 weeks
Approximate finish time	9-10 weeks
Special tips	Ensure best light conditions, especially in the early season, and grow dry to restrict and harden growth Transplant on time

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