

Dianthus Interspecific F1 Chiba



Life cycle	Hardy annual/perennial
Family/origin	Caryophyllaceae/ northern China
Popular uses	Outdoor containers, pot and pack, suitable for borders and beds
Mature plant height	25-35 cm (10-12")
Mature plant width	25-35 cm (10-12")
Pot size	Packs, 10-15 cm (4-6") pots, quart or gallon pots
Plants per pot	1 for 10 cm (4") pots or quarts; 3 per 15 cm (6") or gallon pots
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 0.5-1.8 (50-150 ppm)
Growing temperature	Temperature for active growth 15°C (58°F) at night, 16-18°C (60-64°F) at day time
Light	Increase total light energy to promote early flowering, daylength extension is not necessary but will promote bud set
Fertilizer needs	Balanced N:P:K fertiliser as needed ammonium based fertilizers are not recommended, use calcium based fertilizers EC 1.8-2.2 (50-200 ppm)
Crop time	13-15 weeks
Hardiness zone	Z 6-9



Picotee mixture

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. Croptime is 1-2 weeks longer

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Plug Production



Seed forms	Raw and pelleted
Seed count	1,100-1,250 sds/gr (30,000-35,000 sds/oz) <i>Varies by lot!</i>
Recommended plug size	480-264
Seeds cell	1
Vermiculite cover	Light cover
Stage 1 Germination	Temperature 21-24°C (70-75°F) growing medium temperature EC 0.5-1 (50-100 ppm) 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 (65°F) Under low light conditions supplementary lighting is advised to promote compact strong seedlings
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 (65-68°F) Fertilization: as stage 2 To prevent stretching alternate with potassium nitrate at EC 1.2-1.5 (100-175 ppm)
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 (54-59°F) Fertilization: see stage 3
Plug crop time	5-6 weeks
Approximate finish time	9-10 weeks
Special tips	Ensure best light conditions especially early season and grow dry to restrict and harden growth. Transplant on time