

Dianthus chinensis F1 Diana



Life cycle	Hardy annual
Family/origin	Caryophyllaceae
Popular uses	Outdoor mixed containers and pots, suitable for borders and beds
Mature plant height	20-25 cm/8-10"
Mature plant width	20-25 cm/8-10"
Sales 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	Full sun
Water requirements	Normal
Flowering season	Entire growing season
Daylength sensitivity	N/A
Approx. total crop time	14-16 weeks
Hardiness zone (USDA)	N/A
Growth regulators	Cycocel is recommended for Dianthus; some varieties will show leaf damage at high Cycocel levels. Also a drench is effective; Bonzi as spray or drench
Common diseases	Alternaria leaf spot, Fusarium wilt
Common pests	Spider Mites, Thrips and Whitefly



Dianthus F1 Diana Loving White

Dianthus chinensis F1 Diana has the widest color range of any series of this type of Dianthus. Ideal for mixed containers, and a popular season extender because of its tolerance of cold and light frosts. And its spicy fragrance is an added plus.

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Plug Production



Seed forms	Raw and pelleted
Seed count - (varies by lot)	1,100-1,250/ gram/30,000-35,000/oz
Seeds cell	1
Vermiculite cover	Light cover
Stage 1 Germination	Temperature 21-24°C/70-75°F growing medium temperature EC 0.5 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	Keep media moist. Temperature days 18-20°C/65-68°F EC 0.5-1 Growth regulators: Cycocel, Bonzi or A-rest treatments can be applied at the fourth true leaf stage
Stage 4 Ready for transplanting	Temperatures can be dropped to 15°C (60°F) Higher temperatures will result in more use of growth regulators to prevent stretching
Recommended fertilizer type	Ammonium based fertilizers are not recommended, use calcium based fertilizers instead
Plug crop time	5-6 weeks
Approximate finish time	9-10 weeks
Finishing	Media: a well-drained, porous media is best to prevent over watering pH 6.0-6.5 EC. 1.0-1.75 Moisture: allow media to dry somewhat between watering, do not allow plants to wilt severely, this will result in yellow leaves and serious setback in growth. Light: Increase total light energy to promote early flowering, daylength extension is not necessary but will promote bud set.