

Culture Guidelines

Dianthus

Flow® Series



Plant profile

Genus & species	Dianthus x hybrida	Use	Indoor / outdoor. Pots, containers, mixed borders.
Family	Caryophyllaceae	Sun/shade	Full sun
Life cycle	Perennial	Flowering	First year flowering, naturally late spring to early fall. Ideal for summer production.
USDA Hardiness	Down to Zone 6.		
Habit	Compact, carnation type flowers.		

Propagation guidelines

Start material	URC
Source	Aris-Green Leaf Plants
Tray size range	72 - 128 cell trays recommended.
Propagation time	4 - 5 weeks
Soil	EC: 0.75 - 1.0 / pH: 5.5 - 5.8
Temperature	68-70°F
Humidity	Start at 99%, gradually reduce RH to 70% over the course of 3 weeks.
Rooting hormone	Yes
Fertilizing	50 - 75 ppm N (20 - 6 - 22, 22 - 5 - 16 or 15 - 5 - 15 under low light conditions).
Pinching	No
Remarks	Foliage should be misted and not dry out for the first 14 days. After that, keep moderately moist with mild dry cycles.



URC



72 - 128 cell trays



RC

Finishing guidelines

Pot size range	4.5 - 6.5 inch pots, 1 ppp.
Crop time	Spring / summer: 10 - 13 weeks from transplanting.
Location	Greenhouse cultivation only.
Soil	EC: 1.2 - 1.6 / pH: 5.5 - 6.0
Temperature	Spring / summer sticking: 71°F day / 58°F night.
Light / Shade	Day length neutral, no additional lighting.
Watering	Keep moderately moist with mild dry cycles.
Humidity	Max 70%
Fertilizing	Target value growing stage EC: 1.2 - 1.6 Target value flowering stage EC: 2.0 - 2.2 Keep pH at 5.5 - 6.0. Basic NPK fertilizer: • First stage: NPK 10 - 52 - 10. • Second stage: NPK + Mg 15 - 3 - 15 - 5.
Pinching	Once, 2 - 3 weeks after transplanting.
PGR	Optional
Challenges	If needed take preventative measures against fusarium, rhizoctonia and rust. Scout for aphids, thrips, spider mites and caterpillars.
Key tips & tricks	• Cool temperatures and high light will improve plant quality. • Low or shallow pots are recommended. • During winter production ventilation is important, keep RH under 70%. • The top of the plug should be a half inch above soil level, to prevent rhizoctonia issues.
More details	Please contact our team for more tips and tailored advice.

Ordering information

Source
Aris-Green Leaf Plants. Please contact your preferred broker or rooting station for ordering.
Lead time URC: 10 weeks (+ 4 to 5 wks for RC).

Tags
Order your tags at your preferred supplier or MasterTag, Westrock, e.g.

Seasonal timeline

Pot size	Transplant	Finish
4.5 - 6.5 inch	Late winter to summer	10 - 13 weeks

NOTE: These culture guidelines can be used as a reference only. Timing and performance will vary depending on the climate, local circumstances, time of the year and other factors. HilverdaFlorist BV doesn't accept any liability.

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USA Edition

flow

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