

## Vinca Mediterranean Series

(*Catharanthus roseus*)

Annuals Culture (revised 01/09/18)

**Plug crop time:** 5 weeks

**Transplant to finish (basket):** Spring 12 to 14 weeks, Summer 8 to 10 weeks

### General Information

Exposure	Bloom Season	Height	Spread	Spacing
Sun	Late Spring, Summer, Late Summer	4-6 in. (10-15 cm)	20-30 in. (51-76 cm)	20-32 in. (51-81 cm)

### Germination

Seed Form	Recommended Plug Size	Seeds/Cell	Plug Crop Weeks	Days to Germinate	Initial Media pH/EC	Cover Seed
RAW	288	1	5	3-5	5.8-6.0 pH 0.75 mmhos/cm	Yes

### Plug Production

	Stage 1	Stage 2	Stage 3	Stage 4
<b>Moisture</b>	Level 4	Level 3-4	Level 2-4	Level 2-4
<b>Temperature</b>	75-78°F (24-26°C)	70-72°F (21-22°C)	70-72°F (21-22°C)	70-72°F (21-22°C)
<b>Light</b>	Optional	2,500 f.c. (26,900 Lux)	2,500 f.c. (26,900 Lux)	5,000 f.c. (53,800 Lux)
<b>Fertilizer</b>	Less than 100 ppm N - Less than 0.7 EC	Less than 100 ppm N - Less than 0.7 EC	100 to 175 ppm N - 0.7 to 1.2 EC	100 to 175 ppm N - 0.7 to 1.2 EC

### Propagation Key Tips

Bottom heat during production can increase yield potential and decrease crop time.

### Growing on to Finish

Growing on Temperature	Target Media pH/EC	Fertilizer	Daylength
(day) 75°F (24°C) (night) 65-68°F (18-20°C)	5.5-6.0 pH 1.5-2.0 mmhos/cm	225 to 300 ppm N - 1.5 to 2.0 EC	Day Neutral

### Crop Scheduling

Container Size	Plugs/Pot	Crop Time	Season	PGR
4"/4.5"/Quart	1 (ppp)	8-9 (weeks)	Spring	-
10" Pot or HB/3 Gallon	7 (ppp)	12-14 (weeks)	Spring	-
12" Pot or HB/5 Gallon	9 (ppp)	12-14 (weeks)	Spring	-
4"/4.5"/Quart	1 (ppp)	5-6 (weeks)	Summer	-
10" Pot or HB/3 Gallon	7 (ppp)	8-10 (weeks)	Summer	-
12" Pot or HB/5 Gallon	9 (ppp)	8-10 (weeks)	Summer	-

## Fertilizer Notation

Starting a week after transplant, apply fertilizer at rate 4 (225 to 300 ppm N/1.5 to 2.0 mS/cm) once a week using a predominately nitrate-based fertilizer with low phosphorus and high potassium. Maintain the media EC at 1.5 to 2.0 mS/cm and pH at 5.5 to 6.0. For a constant fertilizer program, can apply fertilizer at rate 3 (175 to 225 ppm N/1.2 to 1.5 mS/cm) while maintaining the above recommended EC and pH ranges.

## Common Problems

Insects: Spider Mites, Thrips, Aphids, Mealy Bugs Disease: Rhizoctonia, Botrytis, Phytophthora, Rhizopus, Pythium, Thielaviopsis, Alternaria, Ulocladium, Tomato Spotted Wilt Virus

## Finishing Key Tips

Keep light as high as possible ( $DLI = 12 \text{ moles} \cdot \text{m}^{-2} \cdot \text{d}^{-1}$ ) while maintaining optimal production temperatures. Maintain even moisture, avoid excessive media and foliage wetness, as these conditions are favourable for disease incidence.

**NOTE:** Growers should use the information presented here as guidelines only. PanAmerican Seed recommends that growers conduct a trial of products under their own conditions. Crop times will vary depending on the climate, location, time of year, and greenhouse environmental conditions. It is the responsibility of the grower to read and follow all the current label directions relating to the products. Nothing herein shall be deemed a warranty or guaranty by PanAmerican Seed of any products listed herein. PanAmerican Seed's terms and conditions of sale shall apply to all products listed herein.

## Variety Pictures

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Deep Orchid



Lilac

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