

<b>Life cycle</b>	Annual
<b>Family/origin</b>	Apocynaceae/India and Sri Lanka
<b>Popular uses</b>	Flowering plant, pots, packs, outdoor mixed containers and landscape beds
<b>Mature plant height</b>	20-25 cm (8-10")
<b>Mature plant width</b>	20-25 cm (8-10")
<b>Pot size</b>	Packs, 10-15 cm (4-6") pots and larger
<b>Plants per pot</b>	1 3 per 15 cm (6") or larger pots
<b>Sun exposure</b>	Full sun
<b>Water requirements</b>	Normal to reduced
<b>Flowering time</b>	All growing season
<b>Media</b>	A well-drained, porous media is best to prevent over watering pH 5.5-6.2 EC 0.7-1.5 (100-175 ppm)
<b>Growing temperature</b>	Start at 22-24°C (70-75°F) Lower the temperature after root at 18-22°C (64-70°F) Avoid wet conditions at night
<b>Light</b>	Vinca prefers high light conditions
<b>Fertilizer needs</b>	Well balanced complete fertilizer - avoid ammonia Cal nitrogen as it will promote soft growth and disease susceptibility EC 1.8-2.2 (50-200 ppm)
<b>Crop time</b>	11-12 weeks for packs and small pots to 14 weeks for larger pots
<b>Hardiness zone</b>	10-13



*Santa Fe*

### Growth regulators

Vinca responds to: Daminozide (Dazide, B-Nine), A-rest and Chlormequat (Cycocel). Concentrations vary per region and by season. Bonzi and Sumagic are known for creating leafspot problems in Vinca

### Common Diseases

Botrytis, Rhizoctonia, Pythium, Phytophthora, Thielaviopsis

### Common Pests

Thrips, Aphids, Whitefly and Spider mites

### Pinching

No need but a single pinch is recommended for a better branching. Croptime is 1-2 weeks longer

# Vinca (Catharanthus) rosea Heatwave Series

## Plug Production



<b>Seed forms</b>	Raw
<b>Seed count</b>	500-700 sds/gr (14,000-19,600 sds/oz) <i>Varies by lot!</i>
<b>Seeds cell</b>	1
<b>Vermiculite cover</b>	Coarse
<b>Stage 1 Germination</b>	Vinca requires darkness for optimum germination Covering the seeds with coarse vermiculite is sufficient Light will slow down or even prohibit germination Media pH 5.5 to 6.3 Moisture: keep medium saturated Growing medium temperature: 25°C (77°F) EC 0.5-1 (100 ppm)
<b>Stage 2 Stem and cotyledon</b>	Reduce moisture levels to obtain optimum root penetration and to prevent fungal diseases. Prevent wet foliage after nightfall Growing medium temperature: 22-24°C (70-75°F) Fertilizer levels: EC 0.7-1.2 (100-175 ppm) After germination: 25,000-30,000 lux (2,500-3,000 fc)
<b>Stage 3 Growth and development</b>	Moisture: reduce moisture levels and allow medium to dry somewhat between watering, but do not allow plants to wilt Temperature: 20-22°C (68-70°F) Fertilizer levels: as stage 2 To prevent stretching alternate with potassium nitrate at EC 1.2-1.5 (100-175 ppm) Keep light levels high
<b>Stage 4 Ready for transplanting</b>	Moisture: reduce moisture levels and allow medium to dry somewhat between watering, but do not allow plants to wilt Temperature: 18-20°C (64-68°F) Fertilizer levels: see stage 3 Seedling maturity: Up to 50,000 lux (5,000 fc)
<b>Plug crop time</b>	5-6 weeks
<b>Approximate finish time</b>	5-8 weeks
<b>Special tips</b>	Vinca (Catharanthus) is a high light loving plant Seedlings will benefit from supplementary lighting and warm temperatures both night and day are needed throughout production Take care not to overwater