GrowerFacts

PanAmericanSeed®

Vinca Titan™ F_1 Series

(Catharanthus roseus)

Annuals Culture (revised 11/02/23)

Robust and ready for anything Mother Nature sends!
Titan is up to 2 weeks faster to flower than open-pollinated vincas, with superior branching and big flowers in all the top-selling colours. The most uniform F_1 vinca series on the market shows off flowers that are up to 50% larger than O.P. types in cooler temperatures.

Plug crop time: 5 weeks
Transplant to finish: 3 to 4 weeks

- Upgrade your vinca for the best germination and the most reliable supply available on the market!
- More stress-tolerant due to hybrid vigour – tolerates heat and drought and can withstand cooler and wetter conditions compared to O.P. types.
- Perfect for landscapes and containers of all types.
- Well-suited to packs, 4-in./10-cm and 6-in./15-cm pots.

General Information

Exposure	Bloom Season	Height	Spread	Spacing
Sun	Late Spring, Summer, Late Summer	14-16 in. (36-41 cm)	10-12 in. (25-30 cm)	8 in. (20 cm)

Germination

Seed Form	Recommended Plug Size	Seeds/Cell	Plug Crop Weeks	Days from 50% to maximum germination	Initial Media pH/EC (1:2)	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
Moisture	Level 4	Level 3-4	Level 2-4	Level 2-4
Temperature	75-78°F (24-26°C)	70-72°F (21-22°C)	70-72°F (21-22°C)	70-72°F (21-22°C)
Light	Optional	2,500 f.c. (26,900 Lux)	2,500 f.c. (26,900 Lux)	5,000 f.c. (53,800 Lux)
Fertiliser		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)
PGR			ancymidol/2-5 ppm/Spray	ancymidol/2-5 ppm/Spray

Propagation Key Tips

Bottom heat during production can increase yield potential and decrease crop time. At Stage 3 and Stage 4, preventive fungicide applications are recommended for Thielaviopsis, Pythium, Phytophthora and Rhizoctonia. Growth Regulator information is provided for reference and does not apply to all growing condition/locations. Review your crop prior to use.

Growing on to Finish

Growing on Temperature	Target Media pH/EC (1:2)	Fertiliser	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
Cell Pack	1 (ppp)	3-4 (weeks)	Spring	daminozide 2,500 ppm Spray
4"/4.5"/Quart/10 cm	1 (ppp)	4-5 (weeks)	Spring	daminozide 2,500 ppm Spray
5"/6"/1 Gallon/15 cm	3 (ppp)	4-6 (weeks)	Spring	daminozide 2,500 ppm Spray

Fertiliser Notation

Starting 1 week after transplant, applying fertilizer at rate 4 (225 to 300 ppm N/1.5 to 2.0 mS/cm) once a week using predominately a nitrate-form fertilizer with low phosphorus and high potassium. Maintain the media EC at 1.5 to 2.0 mS/cm and pH at 5.8. For a constant fertilizer program, fertilizer can be applied at rate 3 (175 to 225 ppm N/1.2 to 1.5 mS/cm) while maintaining the above-recommended EC and pH ranges.

Chemical Sensitivity

Phytotoxicity has been reported on Catharanthus roseus with Bonzi, Sumagic and Topflor.

Common Problems

Insect: Spider mites, thrips, aphids and mealy bugs. Disease: Rhizoctonia, Botrytis, Phytophthora, Rhizopus, Pythium, Thielaviopsis, Alternaria, Ulocladium and Tomato Spotted Wilt Virus

Finishing Key Tips

Drench with a fungicide at transplant. Keep light as high as possible (DLI = 12 moles$\cdot m^{-2} \cdot d^{-1}$) while maintaining optimal production temperatures. Maintain even moisture, avoid excessive media and foliage wetness, as these conditions are favourable for disease incidence. Plant growth regulators may not be necessary for this series. Negative DIF can be used to control height. Daminozide and ancymidol can be used for height control if needed.

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 confirm the treatment is available in their region as well as 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

Apricot

Blush

Burgundy

Cranberry

Dark Red

Icy Pink

Lavender Blue Halo

Lilac

Polka Dot

Punch

Pure White

Really Red

Rose

Rose Halo

Bubble Gum Mixture

Clear Mixture

Mixture

Summer Breeze Mixture

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