GrowerFacts

PanAmericanSeed®

Pansy Matrix® F_1 Series

(Viola x wittrockiana)

Annuals Culture (revised 11/07/23)

Make your life easier

Matrix is *your best option for longer days and warmer growing*. Its uniformity of timing and plant habit simply can't be beaten by any other varieties in the marketplace. Only Matrix has a tight bloom window in Autumn production that allows every colour to ship the same week.

Plug crop time: 5 weeks
Transplant to finish: Spring 6 to 8 weeks, Autumn 4 to 6 weeks

- Matrix offers less handling, less waste and exceptional holding power for higher profitability.
- 7-day bloom window across all colours in Autumn production makes scheduling and growing easy.
- Extra-large flowers hold up to the heat and PGR stress in Summer/Autumn production.
- Low-maintenance series gives pro landscapers the best choice for uniform colour striping, plus the most flowers per plant of any large-flowered pansy.
- Ideal for packs and 4-in. (10-cm) pots.

General Information

Exposure	Bloom Season	Height	Spread	Spacing
Partial Sun, Sun	Early Spring, Spring, Autumn, Winter	8 in. (20 cm)	8-10 in. (20-25 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
PRM, RAW	288	1	5	3-4	5.5-5.8 pH 0.75 mmhos/cm	Yes

Plug Production

	Stage 1	Stage 2	Stage 3	Stage 4
Moisture	Level 4	Level 3-4	Level 3-4	Level 2-4
Temperature	65-70°F (18-21°C)	60-65°F (16-18°C)	60-65°F (16-18°C)	55-60°F (13-16°C)
Light		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/5-10 ppm/Spray daminozide/1,500-2,500 ppm/Spray	ancymidol/5-10 ppm/Spray daminozide/1,500-2,500 ppm/Spray

Fertiliser Notation

It is best to use a nitrate-based fertilizer with low phosphorus to reduce stretch. Maintain a media pH of 5.5 to 5.8 and EC at 0.7 to 1.0 mS/cm (1:2 extraction). A higher pH (greater than 6.2) can induce Boron deficiency and also encourages fungal black root rot caused by Thielaviopsis sp.

Propagation Key Tips

Adjust PGR rates and frequency of application depending on local conditions in Stages 3 and 4. Northwestern Europe: Can use 1 to 2 applications of B-Nine/Alar (daminozide) at 1,280 ppm (1.5 g/l of 85% formulation or 2 g/l of 64% formulation).

Growing on to Finish

Growing on Temperature	Target Media pH/EC (1:2)	Fertiliser	Daylength
(day) 60-70°F (16-21°C) **(night)** 50-55°F (10-13°C)	5.5-5.8 pH 1.5-2.0 mmhos/cm	175 to 225 ppm N (1.2 to 1.5 EC)	Facultative Long Day

Crop Scheduling

Container Size	Plugs/Pot	Crop Time	Season	PGR
Cell Pack	1 (ppp)	4-5 (weeks)	Autumn	daminozide/chlormequat chloride tank mix 2,500/250-5,000/500 ppm Spray
Cell Pack	1 (ppp)	4-5 (weeks)	Autumn	paclobutrazol 0.125 ppm Drench
4"/4.5"/Quart/10 cm	1 (ppp)	5-6 (weeks)	Autumn	daminozide/chlormequat chloride tank mix 2,500/250-5,000/500 ppm Spray
4"/4.5"/Quart/10 cm	1 (ppp)	5-6 (weeks)	Autumn	paclobutrazol 0.125 ppm Drench
10" Pot or HB/3 Gallon/25 cm	7-9 (ppp)	4-5 (weeks)	Autumn	daminozide/chlormequat chloride tank mix 2,500/250-5,000/500 ppm Spray

Common Problems

Insects: Fungus Gnats and Shore Flies in plug stage and Aphids in early stages after transplant. Disease: Damping off, Black Root Rot, Foliar Leaf Spots, Botrytis

Finishing Key Tips

Adjust PGR rates and frequency of application depending on local conditions.

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

Beaconsfield

Blue Blotch

Deep Blue Blotch

Denim

Lavender Shades

Light Blue

Midnight Glow

Morpheus

Ocean

Orange

Primrose

Purple

Red Blotch

Red Wing

Rose

Rose Blotch

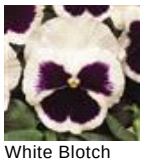
Rose Wing

Solar Flare

Sunrise

True Blue

White

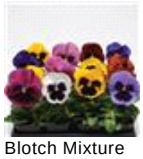

White Blotch

Yellow

Yellow Blotch

Yellow Purple Wing

Autumn Blaze Mixture


Blotch Mixture

Citrus Mixture

Clear Mixture

Coastal Sunrise Mixture

Mixture

Ocean Breeze Mixture

Raspberry Sundae Mixture

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