

Pansy Panola[®] XP F₁ Series

(*Viola x wittrockiana*)

Annuals Culture (revised 01/23/21)

Plug crop time: 5 weeks

Transplant to finish: Spring 4 to 5 weeks, Autumn 3 to 4 weeks

- Panola XP genetics come with a tight 5 to 7-day flowering window, very uniform habit and shorter peduncles across a broad array of colours.
- Both Panola XP and standard colours outperform standard medium-flowered varieties in all kinds of conditions.
- Exceptional overwintering ability makes Panola the best choice for overwintering guarantee pansy programs.
- Free-flowering, well-branched and compact, the early-blooming plants maintain their garden height with less stretch in warm climates.
- Plants produce an abundance of blooms for good flower show in the landscape.
- Landscaper-friendly clear colours are perfect for mixing custom blends.

General Information

| Exposure | Bloom Season | Height | Spread | Spacing |
|-------------|------------------------------|-----------------------|------------------------|-----------------------|
| Partial Sun | Early Spring, Spring, Autumn | 6-8 in. (15-20 cm) | 8-10 in. (20-25 cm) | 6-8 in. (15-20 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 | Optional | 2,500 f.c. (26,900 Lux) | 2,500 f.c. (26,900 Lux) | 5,000 f.c. (53,800 Lux) |
| Fertilizer | | 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 |

Fertilizer 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.

Growing on to Finish

| Growing on Temperature | Target Media pH/EC (1:2) | Fertilizer | 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 | 100 to 175 ppm N (0.7 to 1.2 EC) | Facultative Long Day |

Crop Scheduling

| Container Size | Plugs/Pot | Crop Time | Season | PGR |
|---------------------|-----------|-------------|--------------|------------------------------------------------------------------------|
| Cell Pack | 1 (ppp) | 5-6 (weeks) | Early Spring | daminozide/chlormequat chloride tank mix 1,500/150-2,500/250 ppm Spray |
| 4"/4.5"/Quart/10 cm | 1 (ppp) | 5-6 (weeks) | Early Spring | daminozide/chlormequat chloride tank mix 1,500/150-2,500/250 ppm Spray |
| Cell Pack | 1 (ppp) | 3-4 (weeks) | Autumn | daminozide/chlormequat chloride tank mix 2,500/500-5,000/500 ppm Spray |
| Cell Pack | 1 (ppp) | 3-4 (weeks) | Autumn | paclobutrazol 0.1-0.125 ppm Drench |
| 4"/4.5"/Quart/10 cm | 1 (ppp) | 4-5 (weeks) | Autumn | daminozide/chlormequat chloride tank mix 2,500/500-5,000/500 ppm Spray |
| 4"/4.5"/Quart/10 cm | 1 (ppp) | 3-4 (weeks) | Autumn | paclobutrazol 0.1-0.125 ppm Drench |

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. If growing frost-free (northern overwinter culture from Autumn transplant) plan for crop times of 16 to 18 weeks from transplant to finish.

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



PanAmericanSeed™

PanAmerican Seed Co.
622 Town Road, West Chicago, Illinois, USA, 60185-2698
630 231-1400 Fax: 630 231-3609 PanAmSeed.com

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